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# **Incorporating Yoga into Nursing Education: An Integrative**

## **Literature Review**

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#### Abstract

Background: Nursing students today are experiencing elevated levels of stress and anxiety. Without any intervention, this could result in student experiences being impacted by stress and anxiety and could influence health outcomes for future clients. This integrative review describes the current literature on yoga as an intervention in nursing education. Method: A literature review matrix with Melnyk's level of evidence guided this review and databases searched included EBSCO, Cumulative Index of Nursing and Allied Health Literature (CINAHL), Medline, Sage, and PubMed. Results: 16 articles were included in this review including one systematic review and 15 studies that were a mix of randomized control studies, quantitative, qualitative, experimental, and explorative design. Conclusion: Yoga as an intervention in nursing education decreases perceived stress and improves wellness which increases learning. Nurse educators can incorporate yoga into the nursing curriculum to promote wellness and increase students' learning.

Keywords: nursing, student, yoga, stress, wellness

# Introduction

Wellness is comprised of physical, spiritual, social, emotional, and intellectual health (Ozturk & Tezel, 2021). Being active is one way to contribute to one's wellness. Clark (2018), Nightingale first spoke of a nurse who takes care of their healing process and can blend their inner life with their outer professional life. This statement still rings true today as the American Nurses Association states, in Provision 5, that nurses are responsible for taking care of their whole self and promoting health (2015). Yoga is a form of self-care that decreases stress (Kinchen et al., 2020). Clark (2018) defines yoga as a method or philosophy where one joins the individual self with the consciousness and is aware of their breath. Yoga is done through physical poses, focusing on the mind and awareness of one's breath. The incorporation of yoga in nursing education has the potential to support student wellness and decrease stress. The question for this review is, "Does a yoga intervention improve wellness and decrease perceived stress in nursing students?"

College students today are reported to have a high prevalence of mental health challenges (Tong et al., 2021). The environment of college takes time to get used to as it is a change from home. Studies have shown that college students are more stressed than the general population (Stallman 2010; Yazdani et al., 2014; Ozturk & Tezel, 2021). Health professionals and health professional students, including nursing students, are some of the highest-risk professionals for compromised physical and mental health (Ciezar-Andrson & King-Shier, 2021). Nurse educators facilitate learner development and socialization by giving students the tools to decrease stress (National League of Nursing [NLN], 2023, Competency 2). It is more effective for students to actively participate in yoga than to simply learn about it. (Yazdani et al., Ozturk & Tezel, 2021).

### **Methods**

Using terms such as nursing, student, yoga, stress, and wellness, databases were searched to retrieve peer-reviewed publications. The databases used were EBSCO, Cumulative Index of Nursing and Allied Health Literature (CINAHL), Medline, Sage, and PubMed. 21 articles were retrieved and 5 were excluded. The levels of evidence (LOE) of the remaining 16 were examined using Melnyk's level of evidence (LOE) (See Appendix A); One article was level one, 10 were level two, three were level six, one was level four, and one was level five. A literature matrix with the articles reviewed is given in Appendix B.

### **Findings**

Of the 16 articles included in this review, one was a systematic review, five were randomized control trials, four were quantitative longitudinal designs, three were qualitative research designs, two were quasi-experimental, and one was an explorative pilot study. The themes identified in the systematic review included yoga, for health professionals and students, decreased anxiety, stress, depression, and musculoskeletal pain (Stillwell et al., 2010). This review also discussed that yoga intervention increases the students' ability to cope in stressful situations and experience less burnout. Improvements in self-care and self-compassion practices were both documented because of the yoga intervention.

# **Stress and Anxiety**

In a randomized controlled trial of 75 healthy university students, Ozturk and Tezel (2021) found that implementing eight sessions of laughter yoga, two times a week with first-year nursing students, resulted in decreased cortisol levels and decreased mental symptoms of anxiety.

A study that focuses on stress, anxiety, and yoga concluded that facilitator support was essential to achieving wellness (Amattayakong et al., 2020; NLN,2023, Competency 8). Stress is an obstacle that can decrease critical thinking skills, according to the nursing students in the focus groups. Perceived stress is stress. LeMay et al. (2019) captured results with the Beck Anxiety Inventory (BHI) and Perceived Stress Scale (PSS). Six weeks of sixty-minute vinyasa yoga sessions for 17 college students showed with pre- and post-questionnaires that there was a decrease in stress and anxiety.

Kinchen et al. (2020) ran a two-group quasi-experimental study with one hour of yoga a week for 12 weeks (about three months). Assessments were administered at three different points during the 12 weeks, resulting in the students' continued perceiving stress regardless of the yoga intervention. At first, this conflicted with the other studies; however, it pointed out that yoga was more of a beginner level with deep breathing and meditation, not as physical. The study also stated that participants who typically practiced yoga did perceive stress less than those who did not. Nemeroff et al. (2022) suggested the yoga intervention could help reduce the need for counseling sessions among college students. Yoga intervention is a cost-effective tool to help mitigate stress and anxiety.

# **Caring Intervention**

Watson's Caring theory was used in incorporating yoga into the curriculum, based on the deep caring of nurses, and socializing nursing students into nursing (Clark, 2018; NLN,2023, Competency 2). The discussion of using Watson's caring theory included educators supporting the growth of compassionate, caring, and intelligent nurses. Watson's caring theory included educators supporting the growth of compassionate, caring, and intelligent nurses. Tong et al. (2021) measured emotions in their study based on Watson and Tellegen's Circumplex model. It was concluded that perceived stress was mediated by self-compassion and positive emotion. The researchers suggested this finding could benefit college fitness instructors.

At the University of Maine, a Bachelor of Science in Nursing (BSN) program integrated yoga and had 82 students who participated over seven weeks give their final reflections (Clark, 2018). The student reflections showed they applied a three-part breathing technique to nursing education of congestive heart failure patients. Students also reported sleeping better and feeling more relaxed. The study discussed the importance of self-care being taught to nursing students for the students to be equipped to teach the caring-healing process to their clients. Teaching self-

care enhanced the educator-student relationship within the caring environment. According to Amattayakong et al. (2020), it was determined that educators should create a caring environment and promote wellness in nursing students to allow for critical thinking and reasoning by the students.

# **Achieving Wellness**

In a randomized control study of practicing nurses, the researchers concluded that the group with a yoga intervention improved overall wellness compared to a group without the yoga intervention (Patil et al., 2018). Jeitler (2020) pointed out that adding yoga brings awareness to healthy behaviors. Yoga as an intervention improves self-regulation and mindfulness as well as self-compassion (Frank et al., 2020; Erkin & Senuzun Aykar, 2021). The data showed the higher the mindfulness, the higher the self-compassion. Tong et al. (2021) and Xu et al. (2022) also discussed the findings of increased mindfulness specifically and decreased stress. These findings were significant. All studies described an increase in wellness as lower stress and anxiety levels, increased perception of health, and increased self-compassion (Tong et al., 2021; Nemeroff et al., 2022). Nugent et al., (2021) discussed the benefits of yoga to include an increase in social functioning, an increase in perception of health, and immune benefits. Donmez et al. (2023) concluded that laughter yoga increased self-confidence, enhanced vital signs, and decreased stress and anxiety related to simulation-based learning. It was also pointed out that adding yoga brings awareness to healthy behaviors. Yoga was added to regular sports in school and found it positively impacted the quality of life of students (Jeitler et al., 2020).

# **Evaluation of Findings**

There were many similarities between the studies, such as the intent of the yoga intervention, which was delivered to see if the intervention increased wellness and decreased perceived stress. Most of the studies focused on yoga interventions decreasing perceived stress levels in the short term; however, there is a lack of information about the long-term implications of a yoga intervention with decreased stress levels (Erdogan et al., 2020). In 15 of the 16 studies reviewed, the participants were nursing students.

The differences in the studies included the frequency of yoga classes and the length that the classes were run. Another difference is the classification of yoga such as Hatha or Vinyasa used in each study. Some studies had certified yoga instructors and their training varied (Oztuck & Tezel, 2021; Tong et al., 2021).

#### Limitations

This review has many limitations. As many nursing students are interested in improving wellness, they might have been predisposed to respond favorably to the yoga intervention Ciezar-Andersen & King-Shier, 2021). Another limitation of some of the studies was a lack of diversity, as the participants were mostly female Caucasians. Multiple studies did not provide sufficient details on the type of yoga intervention. There are multiple styles of yoga, and only vinyasa and hatha yoga were mentioned along with the deep breathing technique; however, the details of this stress reduction tool are not thoroughly discussed in many studies. Personal stress and circadian rhythms of individuals are unique to that individual and so cannot be controlled (Ozturk & Tezel, 2021). Group dynamics was considered with one group of nursing students that participated in a study. The designs of the studies varied with the utilization of focus groups, and quantitative, and qualitative data, all of which can show different findings, and therefore comparing may be difficult. One study had level one evidence and ten had level 2 which demonstrated the strength of the findings. The limitations of different yoga styles and levels of instructor training did not change the results of the studies which showed a decrease in perceived stress and improved wellness. Additionally, this review was conducted by only one reviewer.

## **Conclusion**

Existing literature supports the incorporation of yoga into the curriculum and is a proven intervention to promote wellness and reduce perceived stress and anxiety among nursing students (Ozturk & Tezel, 2019; Erdogan et al., 2020; Donmez et al., 2023). Nursing educators can work to integrate yoga into their wellness courses. In this review, two studies discussed yoga theories and three studies discussed nursing theories. The two nursing theories used were Jean Watson's Caring theory and Watson and Tellegen's 1985 Circumplex model. The caring model was the basis for Clark's (2018) study and influences the findings in that all are based on caring for nursing students and client care. Watson's and Tellegen's model is a tool that could be considered in future studies to obtain data on emotions.

Future studies should include further exploration of wellness, more details on the intervention, requirements for instructor training, and how long the effects of the intervention last. Further studies on the effects of yoga on immune function and to mitigate counseling sessions were also suggested. Nursing school is a time to learn the art and science of nursing with only a productive amount of stress and anxiety. Wellness is an important topic where

nursing students learn about themselves and educate patients on achieving optimal health. Experiencing wellness while learning about it can better connect students with wellness.

The Bible states in Matthew 6:22, "The eye is the lamp of the body. If your eyes are healthy, your whole body will be full of light" (*New International Version Bible*, 769/2023). Self-care is a high priority in nursing school. Nurse educators can lead the way by creating a caring environment for learning and incorporating a yoga intervention into the curriculum. The researcher recommends more studies of the effect of yoga on nursing students in simulation, clinical areas, and classroom time. A yoga intervention does improve wellness and decrease perceived stress in today's nursing students.

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# Appendix A

# Melnyk Levels of Evidence

- **Level 1 -** Systematic review & meta-analysis of randomized controlled trials; clinical guidelines based on systematic reviews or meta-analyses
- Level 2 One or more randomized controlled trials
- Level 3 Controlled trial (no randomization)
- Level 4 Case-control or cohort study
- Level 5 Systematic review of descriptive & qualitative studies
- Level 6 Single descriptive or qualitative study
- Level 7 Expert opinion

#### Modified from:

Melnyk, B.M. & Fineout-Overholt, E. (2015). "Box 1.3: Rating system for the hierarchy of evidence for intervention/treatment questions" in *Evidence-based practice in nursing & healthcare: A guide to best practice (3rd ed.)* (pp. 11). Philadelphia, PA: Wolters Kluwer Health.

# Appendix B

**TABLE 1** *Hierarchy of Evidence for Intervention Studies* 

| roga as an intervention in con                                                                       | llege Nursing Education                     |                                           |                              |                                   |                                        |                                                         |                                 |          |             |                                                         |
|------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------|------------------------------|-----------------------------------|----------------------------------------|---------------------------------------------------------|---------------------------------|----------|-------------|---------------------------------------------------------|
|                                                                                                      |                                             |                                           | Population                   | Study                             |                                        |                                                         |                                 |          |             |                                                         |
|                                                                                                      | Research                                    |                                           | & Sample                     | Process/                          | Theoretical                            |                                                         | Details of                      | Levelof  | Included or |                                                         |
| APA Reference for Article                                                                            | M ethods                                    | Study design                              | Size                         | Interventions                     | Framework                              | Summary of Findings                                     | Potential Bias                  | Evidence | E xclud ed  | Rationale                                               |
|                                                                                                      |                                             |                                           | 88 professional              |                                   |                                        |                                                         |                                 |          |             |                                                         |
|                                                                                                      |                                             |                                           |                              | One hour a day,                   |                                        |                                                         |                                 |          |             |                                                         |
|                                                                                                      |                                             |                                           | age and                      | five days a week                  |                                        |                                                         |                                 |          |             | Well run study that coul                                |
|                                                                                                      |                                             |                                           | education,                   | of yoga in one                    |                                        |                                                         |                                 |          |             | reapeated as there is a                                 |
| til, N., Nagarama, R., Tekur, P., Manohar, P.,                                                       |                                             |                                           |                              | group and                         |                                        |                                                         |                                 |          |             | model for the interventi                                |
| argav, H., & Patil, D. (2018). A randomized trial                                                    |                                             |                                           | chronic low                  | physical exercise                 |                                        |                                                         |                                 |          |             | and detailed data analy                                 |
| mparing effect of yoga and exercises on quality of<br>e in among nursing population with chronic low |                                             |                                           | back pain and                | performed in the                  |                                        | There were higher improvements                          |                                 |          |             | process with a                                          |
| e in among nursing population with chronic low<br>ck pain. International Journal of Yoga, 11 (3).    | Health Organization<br>Ouality of Life      | Randomized control<br>study, single blind | working in<br>South India    | other group. Each<br>group had 44 | lintegrated yoga<br>therapy model used | in the physical, psychological                          |                                 |          |             | questionnaire created by<br>World Health Organiza       |
| 8-214. https://doi.org/10.4103/iiov.IJOY 2 18                                                        | Quality of Life<br>Ouestionnaire            | study, single blind<br>design             | South India<br>hospital      |                                   | for intervention.                      | and social domains with the yoga<br>intervention group. | No biases noted.                | Level 2a | Included    | on quality of life.                                     |
| 8-214. https://doi.org/10.4105/1joy.DOY 2 18                                                         | Questiomaire                                | design                                    | 82 RN-BSN                    | nurses in it.                     | Jean Watson's                          | intervention group.                                     | Mostly female                   | Level 2a | Inc luded   | on quality of life.                                     |
|                                                                                                      |                                             |                                           | students at                  |                                   | Human Caring                           | Self care modalities must be                            | students and part of            |          |             |                                                         |
| lank C. (2018). A radical RN-BS nursing class:                                                       |                                             |                                           | University of                |                                   | theory was the                         | taught to nursing students to teach                     |                                 |          |             |                                                         |
| ata ama a firam an internative com                                                                   |                                             |                                           | Maine, post                  |                                   | basis for nursing                      | the carring-healing process                             | the students may                |          |             |                                                         |
| ective. International Journal of Nursing                                                             | Rogerian Unitarian                          |                                           | traditional                  |                                   | educators to                           |                                                         | have felt they                  |          |             | This study is what is be                                |
| inc ation                                                                                            | Appreciation                                |                                           | students, most               |                                   | incorporate self                       |                                                         | needed to answer                |          |             | studied put into action s                               |
| holarship, 15 (1) https://doi.org/10.1515/ijnes-                                                     | Narrati ve Inquiry                          | Qualitative                               | female and                   | after 200 hours of                | care yoga course                       | relationship in the caring                              | in a positive                   |          |             | worth looking at for my                                 |
| 17-0073                                                                                              | Analyses Technique                          | Research design                           | work full time               | training.                         | into the curriculum.                   | environment that was created.                           | manner.                         | Level 6  | Included    | purposes.                                               |
| may, V., Hoolahan, J., & Buchanan, A. (2019).                                                        |                                             |                                           |                              |                                   |                                        |                                                         | Class was led by                |          |             |                                                         |
| pact of a yoga and meditation intervention on                                                        |                                             |                                           |                              |                                   |                                        |                                                         | faculty and                     |          |             |                                                         |
| dents' stress and armiety levels. American                                                           | Beck Anxiety Index,                         |                                           |                              | 90 minute class                   |                                        |                                                         | participants were               |          |             |                                                         |
| urnal of Pharmac eutic al Educ ation, 83 (5), 747-                                                   |                                             |                                           |                              | once a week                       |                                        |                                                         | first come, first               |          |             |                                                         |
| 2.                                                                                                   | Scale, and Five facet                       |                                           |                              | consisting of one                 |                                        | Yoga/Meditation intervention                            | served so there                 |          |             | Potential bias as this wa                               |
| tps://go.openathens.net/redirector/liberty.edu?url=                                                  |                                             |                                           | 17 coilege                   | hour of yoga, 30<br>min of swided |                                        | decreased stress of college                             | could be favoritism             |          |             | taught by faculty and the                               |
| tps://www.proquest.com/scholarly-<br>urnals/impact-voga-meditation-intervention-on-                  | questionnaire, four<br>point Likert scales. | Single Quanitative                        | students at<br>University of | min of guided<br>meditation over  |                                        | students and increased<br>mindfulness with a 95%        | or group dynamics<br>of swaving |          |             | participants were first of<br>first served with only 17 |
| umais/impact-yoga-meditation-intervention-on-<br>udents/docview/2260394286/se-2                      | point Likert scales,<br>self-reporting      | Experimental study                        | Rhode Island                 | six week period                   | N/A                                    | confidence interval                                     | or swaying opinions.            | Level 2b | Excluded    | participating in the study                              |
| BBEIIS/GOCVIEW/2200394280/86-2                                                                       | sen-reporting                               | Experimental study                        | 73 nursing                   | SIA WEEK DETIOG                   | N/A                                    | No significant difference over                          | оридонь.                        | Tevel 70 | Excluded    | participating in the study                              |
|                                                                                                      |                                             |                                           | students, 2nd                |                                   |                                        | time between groups in the                              |                                 |          |             |                                                         |
|                                                                                                      |                                             |                                           | sem ester and                |                                   |                                        | perceived stress or quality of                          |                                 |          |             |                                                         |
|                                                                                                      |                                             |                                           | divided into two             |                                   |                                        | life There was a difference in                          |                                 |          |             |                                                         |
|                                                                                                      | Perceived Stress                            |                                           | groups, then                 |                                   |                                        | the self kindness but overall                           |                                 |          |             |                                                         |
|                                                                                                      | scale, World Health                         |                                           | broken down                  | Intervention                      |                                        | dissapointing findings and                              |                                 |          |             |                                                         |
|                                                                                                      | Organization Quality                        |                                           | into two more in             | group                             |                                        | request further studies as the                          | Self selection,                 |          |             |                                                         |
| inchen, E., Loerzel, V., & Portoghese, T. (2020).                                                    | of life-BREF, and                           |                                           | the no                       | partici pated in                  |                                        | students continued to be stressed                       | convenience                     |          |             | IRB approval and could                                  |
| oga and perceived stress, self-compassion, and                                                       | Self-Compassion                             |                                           | intervention                 | one hour yoga                     |                                        | and it is a consideration that the                      | sample however                  |          |             | important data that the                                 |
| ality of life in undergraduate nursing                                                               | scale used with Likert                      |                                           |                              | class each week                   |                                        | timing of the intervention was                          | good point that                 |          |             | perceived stress was sti                                |
| udents. Journal of Education and Health                                                              | scales and descriptive                      |                                           | yoga on their                | x 12 weeks and                    |                                        |                                                         | randomization                   |          |             | high when the interventi                                |
| romotion, 9(1), 292-                                                                                 | statistics, mixed                           | Longitudinal Design                       | own or not at                | held at the end of                |                                        | and ready to get home by that                           | could lead to                   |          |             | complete at the end of th                               |
| 92. https://doi.org/10.4103/jehp.jehp 463 20                                                         | model analyses.                             | Study                                     | a11.                         | the day-3pm.                      | N/A                                    | time.                                                   | attrition.                      | Level 2b | Included    | school day.                                             |
|                                                                                                      |                                             |                                           | 80 particpants               |                                   |                                        |                                                         |                                 |          |             |                                                         |
|                                                                                                      |                                             |                                           | of nursing<br>students       |                                   |                                        |                                                         |                                 |          |             |                                                         |
|                                                                                                      | Focus group                                 |                                           | sucents<br>selected with     |                                   |                                        | There were stressors identified                         |                                 |          |             |                                                         |
|                                                                                                      | discussions with a                          |                                           | 1ike                         |                                   |                                        | that caused obsticles to the                            |                                 |          |             | The principle investigat                                |
|                                                                                                      | trained principle                           |                                           | experiences.                 | 60-90 min                         |                                        | nursing students wellness. It was                       |                                 |          |             | was trained and compil                                  |
|                                                                                                      | investigator to gather                      |                                           | views, and                   | discussion                        |                                        | determined that the school                              | 1                               | 1        |             | large number, 80, of                                    |
|                                                                                                      | information and code                        |                                           | characteristics              | sessions with set                 |                                        | environment should promote                              |                                 |          |             | student's perspectives of                               |
| nattavakong, C., Klunklin, A., Kunawiktikul, W.,                                                     | the data. Results were                      |                                           | from two                     | questions on                      |                                        |                                                         | Data collected only             |          |             | wellness. The data was                                  |
| intaruksa, K., & Turale, S. (2020). Wellness                                                         | shown to particpants                        |                                           | Northern                     | thoughts of                       |                                        | thinking and reasoning that                             | from public                     |          |             | read back to verify                                     |
| one nursing students: A qualitative study. Nurse                                                     | once calculated to                          |                                           | Thailand                     | wellness.                         |                                        |                                                         | institutions so                 | 1        |             | accurately interpreted m                                |
| bucation in Practice, 48, 102867-                                                                    | make sure there were                        |                                           | colleges, 40                 | maximum of 10                     |                                        | if nursing students have an                             | views and opinions              | 1        |             | like repeating what                                     |
| 2867. https://doi.org/10.1016/j.nepr.2020.102867                                                     | no mis-                                     | Qualitative                               | students from                | people per                        |                                        | environment of caring and self-                         | would likely be                 |          |             | someone says to make s                                  |
|                                                                                                      |                                             | Descriptive Design                        | each school.                 | session.                          | N/A                                    | care promotion                                          | similar.                        | Level 6  | Included    | it was heard correctly.                                 |

|                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| APA Reference for Article                                                                                                                                                                                                                                                                                                                                            | Research<br>Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Study design                                                                                                                                                           | & Sample<br>Size                                                                                                                                                                                     | Process/<br>Interventions                                                                                                                                      | Theoretical<br>Framework | Summary of Findings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Details of<br>Potential Bias                                                                                                                          |          | Included or<br>Excluded | Rationale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Erdoğın Yük e, G, & Muz, G (2020). Effect of yoga-based physical a civity on perceived sites as anxiety and quality of He in young adults. Perspectives in Psychiatric Care, 3 G (3), 697-704. https://doi.org/10.1111/pp.12484                                                                                                                                      | Perceived Stress scale, World Health Organization Quality of life-BREF, and State Triait anxiety scale used with Likert scales were used at baseline and completion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Semi-experimental<br>.non-randomized<br>quantitative study<br>with a control<br>group.                                                                                 | 44 Nursing students in the yoga intervention group and 45 in the control group from a public university in Turkey.                                                                                   | 60 min yoga intervention with description of each component once a weeks four weeks total.                                                                     | N/A                      | Students of the state of the st | Participants were volunteers from one university only.                                                                                                |          | Included                | Mostyogs intervention studies are volunteer participants and from one-two universities so this did not exclude the results in my opinion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Berlowitz, J., Hall, D. L., Joyce, C., Fredman, L., Sherman, K. J., Saper, R. B., & Roueen, E. J. (2020). Change in practived steas after young physical therapy, and education interventions for chronic low backpain: A secondary arealysis of a rendomized corrolled vial. Pain Medicine (Maiden, Mass.). 21(10), 2239–2337. https://doi.org/10.1029/omm.orga.150 | Perceived stress scale<br>and sensitivity<br>analyses using various<br>impartation me thods<br>for anymissing data<br>were used a long with<br>the fear a voidance<br>beliefs que stiomaire.<br>The back book and<br>back pain help book<br>were distributed to<br>particibants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Assessor-blinded<br>parallel group<br>randomized<br>controlled trial                                                                                                   | Low income, radically diverse adults with chronic low back pain and with a mean age of 46.4 from a large academic safety net hospital or federal community health center.                            | Hatha yoga or high-dose physical therapy for 15 hour sessions x 12 weeks one on one were completed along with the backpain book education.                     | N/A                      | There was noted group improvement that the interventions decreased perceived stress 55% confiders interval total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No biases noted                                                                                                                                       | Level 2a | Exc luded               | The mean age being 46.4 was higher than the average college age students that were intended to investigate for any processes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Jeitler, M., Hög, M., Peters, A., Schmann, D.,<br>Murthy, V., Bringmann, H., Seifert, G., Michalsen,<br>A., Sückig, B., & Kessler, C. (2020). Qualitative<br>saudyof vogs for young adults in school<br>sports. Complementary Therapies. In Medicine, 55,<br>102584.<br>102584. https://doi.org/10.1016/j.cim.2020.102584                                            | Focus group discussions, three in total with 6 participants in each with free test swith free test swith free test swith free test swith rese test swith research with research research with research res | Qualitative Descriptive Design(Quantitative results published in a different paper). Non-random its descontinuous pra gnatic pilot study with active control or route. | 92 participants with a mean age of 19.6 from two schools in Berlin with a active control group of students participants participants were screened to have no health issues.                         | 90 minuse yoga<br>sessions with<br>basic moves on a<br>written plan for<br>10 weeks taught<br>one a weeks to<br>certified<br>instructor's.                     | N.A.                     | Yoga is a valuable addition to regular sports in schools to result in a positive impact on quality of life and increase healthy obstaviors will eal also creating awareness of unhealthy behaviors in thool are students.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Polential for group<br>decision as focus<br>group is used.                                                                                            | Level 5  | Inc tuded               | The average age of 19, 6 is target popula from of a ge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Frank, J., Seifert, G., Schroeder, R., Gruhn, B., Shriter, W., Jeitler, M., Steckhan, N., Kessler, C., Mikralten, A., & Voss, A. (2020). Yogs in school sports improves fire foring of subnome in ervous system in young adults: A non-randomized controlled pilot study. Pilot Svn. 13(4), e0231299-e0331299. https://doi.org/10.1371/journal.pone.023              | Heart rate variability using baseline ECG and at the end of the in week session was conducted on 34 students that a greed Analyses of variance (ANOVA) followed by the sts and post-hoc test estimating both sate is the state of  | Non-randomized<br>explorative, two<br>aim controlled pilot                                                                                                             | 92 total students in population with a mean age of 19.9 participated and 34 total agreed to the ECG objective, non-invasive tool. The students were healthy secondary students in B er lin, Germany. | 90 minute yoga sessions, raught by external instructors, once a week X 10 weeks total with a control group of school sports without yoga sessions              | N/A                      | Improved self resilation of the autonomic nervous system was found in the vogs intervention group compared to school sports alone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No bia ses note d                                                                                                                                     | Level 2b | Included                | Well run study that has a different data element which is useful to constitute the second of the sec |
| Oztuć, F., & Tezel, A. (2021). Effect of laughter yoga on mental symptoms and salivary cortisol levels in first-year russing students. A randomized controlled trial. International Journal of Nursiting Fronties, 27 (2), e11924.                                                                                                                                   | Brief symptom<br>inventory applied<br>prior to sessions one<br>and eight, descriptive<br>que stiomair e, and<br>saliva lests pre and<br>post intervention were<br>conducted in both<br>groups.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                        | Population of 202 state university nursing students in their first year with 38 students fully perticipating in intervention group and 37 in the control group, randomly selected and all healthy.   | Eight session total of laugurer yoga with a certified instructor who is also the researcher. Sessions were 40-45 min each and two times a week for four weeks. | N/A                      | Laughter yoga decreases cortisol levels significantly with 92 % confidence interval in first year maxing studens and also decreases mental symptoms such as anxiety and depression. Recommended to incoporate laughter yoga into auxing curriculum and further studies to be done.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Potential bias with<br>the yoga instructor<br>also being the<br>researcher.                                                                           | Level 2a | Included                | Accurate data even with potential bits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Erkin, Ö., & Şenzun Aykar, F. (2021). The effect of the yogs course on mindfaleass and self-compassion among nor sing stadents. Perspectives in Psychiatric Care, J. (2), 875-832, https://doi.org/10.1111/psyc.12630                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quasi-experimental<br>single group pre and<br>post text design<br>study.                                                                                               | 47 Nursing<br>students in their<br>first year at Ege<br>University in<br>Turkey who<br>selected the<br>elective of                                                                                   |                                                                                                                                                                | N/A                      | Post yoga intervention the increase of mindfutness and also increase of safe compassion was satistically evidenced. The higher the mindfutness, the higher the self-compassion was shown in the data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Potential bias of<br>the yoga instructor<br>being the first<br>author could have<br>influenced the<br>students'<br>perceptions. All<br>female student | Level 4  | Included                | Data obtained from target population.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Parajuli, N., Pradinn, B., & Jat M. (2021). Effect of four weaks of integrated yogs intervention on perceived stess and sleep quality among female musting professionals wording at sentiary care hospital: A pilot study. Industrial Psyc Matry Journal, 39(1), 135- 140. https://doi.org/10.4103/ipijipi 11.21                                                     | The perceived stress<br>scale and Pitisburgh<br>sleep quality index<br>were administered<br>pre and post<br>intervention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Non-randomized<br>quantitative<br>experimental pilot<br>study.                                                                                                         | nursing professionals with a mean age of 40.6 in a tertiary hospital located in Delhi, India. The professionals were recruited, healthy                                                              | The intervention<br>was a 45 min<br>yoga class daily<br>for five days a<br>week and lasted<br>four weeks                                                       |                          | a cost effective tool for marsing<br>professionals to decrease stress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | There was not enrough information given in the article to determine bias other than all female population.                                            | Level 4  | Exc tuded               | The mean age being 40.6 was higher than the college age students that were intended to investigate for my purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

# Smith: Yoga Intervention

| APA Reference for Article                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Research Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Study design                        | Population & Sample<br>Size                                                                                                                                                                                                                  | Study Process/<br>Interventions                                                                                                                                                                                                           | Theoretical<br>Framework                 | Summary of Findings                                                                                                                                                                                                                  | Details of<br>Potential Bias                                                                                                                                                                                                | Level of<br>Evidence | Included or<br>Excluded | Rationale                                                          |
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                                                                                              |                                     |                                                                                                                                                                                                                                              | intervention was a<br>detailed plan and 80                                                                                                                                                                                                |                                          |                                                                                                                                                                                                                                      |                                                                                                                       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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | 122 adults with major<br>depressive disorder that                                                                                                                                                                                            | min session once a<br>week for 10 weeks.                                                                                                                                                                                                  |                                          | The Hatha yoga intervention                                                                                                                                                                                                          |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | are not fally responding to<br>pharmacotherapy were                                                                                                                                                                                          | The sessions were<br>offered twice a week                                                                                                                                                                                                 |                                          | resulted in improvements in<br>social functioning and the                                                                                                                                                                            | The researcher's                                                                                                                                                                                                            |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | included and a computer                                                                                                                                                                                                                      | but only one                                                                                                                                                                                                                              |                                          | participants had an improved                                                                                                                                                                                                         | spouse was                                                                                                                                                                                                                  |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lab draws of inflammatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     | randomly assisgned the<br>adults to either intervention                                                                                                                                                                                      | attendance per week                                                                                                                                                                                                                       |                                          | health perception of themselves                                                                                                                                                                                                      | employed by the                                                                                                                                                                                                             |                      |                         |                                                                    |
| Nugent, N., Brick, L., Armey, M., Tyrka, A., Ridout,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | markers, IL-6 and TNF-@ drawn<br>pre during and post intervention.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | group. The adults did not                                                                                                                                                                                                                    | necessary. The control<br>group was a healthy                                                                                                                                                                                             |                                          | versus the control group over<br>time noted at the six month                                                                                                                                                                         | pharmaceutical<br>company that                                                                                                                                                                                              |                      |                         | High level of evidence and                                         |
| K., & Uebelacker, L. (2021). Benefits of yoga on 1L-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | All qualified personnel for lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Randomized control                  | have any other                                                                                                                                                                                                                               | living workshop with                                                                                                                                                                                                                      |                                          | follow up. Further research                                                                                                                                                                                                          | helped fund the                                                                                                                                                                                                             |                      |                         | while the population age is                                        |
| 6: Findings from a randomized controlled trial of<br>yoga for depression. Behavioral Medicine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | draws and instructors. Consents<br>signed and IRB approval. Quick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | trial with pre,<br>during, and post | psychological issues and<br>also had a mean age of                                                                                                                                                                                           | multiple topics<br>offered several times                                                                                                                                                                                                  |                                          | needed over time to see long<br>term effects. The data showed                                                                                                                                                                        | study however<br>there isn't a result                                                                                                                                                                                       |                      |                         | higher than my target age,<br>the data is important to             |
| (Washington, D.C.), 47(1), 21-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | inventory of depression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | sample collection.                  | 45.2.48 participants in the                                                                                                                                                                                                                  | as well and a 60                                                                                                                                                                                                                          |                                          | immune benefits after                                                                                                                                                                                                                | that would benefit                                                                                                                                                                                                          |                      |                         | research in future studies                                         |
| 30. https://doi.org/10.1080/08964289.2019.160448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | symptomology administered. Six<br>month follow up included.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantitative data<br>collected.     | yoga group, 39 in eduation<br>control group.                                                                                                                                                                                                 | minute session X 10<br>weeks, once a week.                                                                                                                                                                                                | N/A                                      | participation in the Hatha yoga<br>trial.                                                                                                                                                                                            | a pharmac eutical<br>company noted.                                                                                                                                                                                         | Level 2a             | Included                | with college a ge students                                         |
| ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | mount fortow up included.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | conceau.                            | comor goap.                                                                                                                                                                                                                                  | WEEKS, DIEC & WEEK.                                                                                                                                                                                                                       |                                          | increase in mindfulness after the                                                                                                                                                                                                    | company notes.                                                                                                                                                                                                              | LCTC1 ZII            | incruced.               | 200.                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                           |                                          | yoga intervention and a decrease                                                                                                                                                                                                     |                                                                                                                       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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | Total population for study<br>one was 191 undergraduate                                                                                                                                                                                      |                                                                                                                                                                                                                                           |                                          | in stress after both the yoga and<br>fitness interventions with more                                                                                                                                                                 |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | students randomly selected                                                                                                                                                                                                                   | Study one was one 60                                                                                                                                                                                                                      |                                          | of a decrease with the yoga                                                                                                                                                                                                          |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | at a Chinese University<br>with an average age of 20.0                                                                                                                                                                                       | minute session<br>between week four                                                                                                                                                                                                       |                                          | intervention. The immediate<br>effects were more noticeable in                                                                                                                                                                       |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | and no other health issues.                                                                                                                                                                                                                  | and five of yoga in                                                                                                                                                                                                                       |                                          | the yoga intervention with                                                                                                                                                                                                           |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | 97 enrolled in yoga class                                                                                                                                                                                                                    | one class and fitness                                                                                                                                                                                                                     |                                          | increased positive emotion and                                                                                                                                                                                                       |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The four scales used were an<br>emotion scale, Self-Compassion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | and 94 in the fitness class<br>with study determining                                                                                                                                                                                        | in the other. Study two<br>was a 12 week                                                                                                                                                                                                  |                                          | decrease in negative emotion.<br>Self-compassion is increased                                                                                                                                                                        |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Tong, J., Qi, X., He, Z., Chen, S., Pedersen, S.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Scale, Lovibond Stress Scale, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | immediate effect of one                                                                                                                                                                                                                      | session of one hour                                                                                                                                                                                                                       |                                          | even after one 60-minute session.                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Cooley, P. Spencer-Rodgers, J., He, S., & Zhu, X.<br>(2021). The immediate and durable effects of yoga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mindfulness Attention Awareness<br>Scale and LiKert scales were                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | session. Study two was<br>effect of 12 sessions of                                                                                                                                                                                           | yoga or fitness taught<br>by certified                                                                                                                                                                                                    |                                          | The effect of yoga can be<br>sustatined by continuous                                                                                                                                                                                | The data collection<br>was funded by                                                                                                                                                                                        |                      |                         |                                                                    |
| and physical fitness exercises on stress. Journal of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | analyzed with software. The                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     | once a week one hour                                                                                                                                                                                                                         | instructors. Classes                                                                                                                                                                                                                      | Emotional scale                          | participation so is said to be a                                                                                                                                                                                                     | Was funded by<br>PeKing University                                                                                                                                                                                          |                      |                         |                                                                    |
| American College Health, 69 (6), 675-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | salivart cortisol levels were taken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quasi-experimental                  | sesssion, intervention and                                                                                                                                                                                                                   | were well designed                                                                                                                                                                                                                        | based on Watson                          | great option for college age                                                                                                                                                                                                         | standard research                                                                                                                                                                                                           |                      |                         | Target population criteria                                         |
| 68.3. https://doi.org/10.1080/07448481.2019.17058<br>40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | pre one day aournd week 4 prior to<br>intervention and post intervention.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | study design. IRB<br>approved.      | 143 college students<br>participated.                                                                                                                                                                                                        | and detailed to be<br>able to repeat.                                                                                                                                                                                                     | and Tellegen's 1985<br>Circumplex Model. | undergraduate students in dealing<br>with stress to reduce it.                                                                                                                                                                       | of yoga teaching<br>project (2016).                                                                                                                                                                                         | Level 2a             | Included                | met. High level of evidence<br>study.                              |
| ***                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | incremonana por mer remon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | аррючес.                            | рагисранса.                                                                                                                                                                                                                                  | Zoom yoga of 150                                                                                                                                                                                                                          | c.ircumpicx sirocer.                     | min micharoreduce n.                                                                                                                                                                                                                 | projecti zo to j.                                                                                                                                                                                                           |                      | incruaca .              | mudy.                                                              |
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                                                                                              |                                     |                                                                                                                                                                                                                                              | minutes/week over 12<br>weeks during the                                                                                                                                                                                                  |                                          |                                                                                                                                                                                                                                      |                                                                                                                       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                                                                                              |                                     |                                                                                                                                                                                                                                              | Control group<br>encouraged to                                                                                                                                                                                                            |                                          | There was no iprovement                                                                                                                                                                                                              |                                                                                                                                                                                                                             |                      |                         | This is target population                                          |
| Ramick, M., Cunningham, O., Razon, S., Harris, J.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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                                                                                              |                                     | 45 total college students                                                                                                                                                                                                                    | continue normal                                                                                                                                                                                                                           |                                          | noted in the anxiety or                                                                                                                                                                                                              |                                                                                                                                                                                                                             |                      |                         | however the intervention                                           |
| & Reed, M. (2022). The Effects Of A Regular Yoga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | The State of Trait Anxiety Scale,<br>Perceived Daily Stress Scale, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | with 24 participating with<br>yoga intervention online                                                                                                                                                                                       | exercise routine. Both                                                                                                                                                                                                                    |                                          | stress levels of the students                                                                                                                                                                                                        | Not enough                                                                                                                                                                                                                  |                      |                         | being on zoom and during a<br>nandemic is not what is              |
| Practice On Mental Health In College Students<br>During COVID-19, Medicine & Science in Sports                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | physcial activity (IPAQ Short form)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Non-randomized                      | yoga intervention online<br>via zoom and 21 continuing                                                                                                                                                                                       | groups were surveyed<br>prior the study to                                                                                                                                                                                                |                                          | in the yoga intervention on                                                                                                                                                                                                          | information to                                                                                                                                                                                                              |                      |                         | being studied. Conditions                                          |
| & Exercise, 54 (98), 410-411. doi:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | were given pre and post                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | quantitative                        | their normal exercise                                                                                                                                                                                                                        | determine physical                                                                                                                                                                                                                        |                                          | zoom group durig the Covid                                                                                                                                                                                                           | determine any                                                                                                                                                                                                               |                      |                         | were too rare at that time to                                      |
| 10.1249/01.mss.0000880220.51191.0b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | intervention online.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | experimental study                  | routine.                                                                                                                                                                                                                                     | activity level.                                                                                                                                                                                                                           | N/A                                      | pandemic.                                                                                                                                                                                                                            | potential bias.                                                                                                                                                                                                             | Level 5              | Excluded                | consider.                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The Perceived Stress (PSS) Scale,<br>Beck Anxiety Inventory, State Trait                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                           |                                          | decrease in stress, anxiety, and<br>worry with the quantitative data.                                                                                                                                                                |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Anxiety Indicator(STAI), Penn State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | 26 volunteered for the                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |                                          | It was suggested that Hatha yoga                                                                                                                                                                                                     |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Worry Questionnaire, and the<br>Rumination Reflection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     | study, eleven participated<br>and only seven completed                                                                                                                                                                                       |                                                                                                                                                                                                                                           |                                          | is in the curriculum for college<br>students as a cost effective way                                                                                                                                                                 | Potential bias is                                                                                                                                                                                                           |                      |                         |                                                                    |
| Nemeroff, R., Harden, A., & Kowalsky, B. (2022).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Questionnaire were all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | the questionnaires. The                                                                                                                                                                                                                      |                                                                                                                                                                                                                                           |                                          | to manage stress and anxiety. The                                                                                                                                                                                                    | that the participants                                                                                                                                                                                                       |                      |                         |                                                                    |
| Yoga classes as an early intervention for college                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | administered at the beginning,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | seven were college                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                          | recommendation also pointed out                                                                                                                                                                                                      | are volunteers                                                                                                                                                                                                              |                      |                         |                                                                    |
| students reporting high levels of stress and anxiety:<br>A pilotstudy Journal of American College Health,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | middle(3 week mark) and post<br>intervention points. Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Non-randomized                      | students that had scored<br>high on PSS and STAI also                                                                                                                                                                                        | Six weeks of Hatha<br>yoga for one hour                                                                                                                                                                                                   |                                          | this could help with increased<br>demand of counseling                                                                                                                                                                               | however all<br>participants in self                                                                                                                                                                                         |                      |                         | This study was small but                                           |
| 1-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | confidence interval of all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | quantitative study                  | without any physical                                                                                                                                                                                                                         | sessions two times a                                                                                                                                                                                                                      |                                          | appointments by college                                                                                                                                                                                                              | care must volunteer                                                                                                                                                                                                         |                      |                         | effective in the intent and                                        |
| 7. https://doi.org/10.1080/07448481.2021.2008401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | assessments was 83 %.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | approved by IRB                     | limitations.                                                                                                                                                                                                                                 | week.<br>12 weeks of 90 minute                                                                                                                                                                                                            | Hatha Yoga Model                         | students.                                                                                                                                                                                                                            | for this.                                                                                                                                                                                                                   | 2b                   | Included                | delivery.                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | Eighty total participants                                                                                                                                                                                                                    | sessions of Astanga                                                                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Xu, D., Wu, H., Ruan, H., Yuan, C., Gao, J., & Guo,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The Funtional Movement Screening<br>tool and the Mindful Attention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | that were college age and<br>recruited from sports                                                                                                                                                                                           | yoga for two times a<br>week was the                                                                                                                                                                                                      |                                          | The study looked at functional                                                                                                                                                                                                       |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| M. (2022). Effects of yoga intervention on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Awareness Scale were used with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | training classes in an                                                                                                                                                                                                                       | intervention along                                                                                                                                                                                                                        |                                          | movement and found increases in                                                                                                                                                                                                      | Potential bias                                                                                                                                                                                                              |                      |                         |                                                                    |
| functional movement patterns and mindfulness in<br>collegiate athletes: A quasi-experimental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 87% Confidence interval and given<br>ore and post intervention. Software                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Non-randomized                      | Athletic school. The<br>participants did not have                                                                                                                                                                                            | with regular classes<br>and the control group                                                                                                                                                                                             |                                          | this as well as increases in<br>mindfulness of college a ge                                                                                                                                                                          | would be the<br>students are                                                                                                                                                                                                |                      |                         |                                                                    |
| study. International Journal of Environmental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | analyzed results. Ethics approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | control                             | prior yoga experience. 39                                                                                                                                                                                                                    | was no intervention                                                                                                                                                                                                                       |                                          | students. The results of increased                                                                                                                                                                                                   | already in an                                                                                                                                                                                                               |                      |                         | This study was on the target                                       |
| Research and Public Health, 19 (22),<br>14930. https://doi.org/10.3390/ijerph192214930                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | and informed consent for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | quantitativee                       | in the yoga group, 41 were                                                                                                                                                                                                                   | along with regular                                                                                                                                                                                                                        |                                          | mindfulness far exceded the                                                                                                                                                                                                          | athletic training<br>environment.                                                                                                                                                                                           | 0.5                  | Included                | population age and well                                            |
| 14950. https://doi.org/10.3590/ijetphi/92214950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | participation. The descriptive factors were                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | experimental study.                 | in the control group.                                                                                                                                                                                                                        | classes.                                                                                                                                                                                                                                  | N/A                                      | control group.                                                                                                                                                                                                                       | environnen.                                                                                                                                                                                                                 | 20                   | incidded                | I un.                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | assessed, State Trait Anxiety Scale,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Perceived Stress Scale, vital signs<br>evaluation form, Student                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                                                                                              | The laughing yoga<br>intervention run by the                                                                                                                                                                                              |                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             |                      |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Satisfaction and Self-Confidence in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                                                                                                                                                                                                                                              | second author who                                                                                                                                                                                                                         |                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Dönmez, A., Alici, N., Kapucu, S., & Elçin, M.<br>(2023). The effect of laughter yoga applied before                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Learning Scale were all<br>administered prior to intervention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | The setting was in a high-                                                                                                                                                                                                                   | was the only of the<br>researchers to know                                                                                                                                                                                                |                                          | Laugther yoga reduced perceived                                                                                                                                                                                                      |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| simulation training on state anxiety, perceived stress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | for study group and prior to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | fidelity Simulation center                                                                                                                                                                                                                   | which group                                                                                                                                                                                                                               |                                          | stress and anxiety related to                                                                                                                                                                                                        |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| levels, self-confidence and satisfaction in<br>undergraduate nursing students: A pragmatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | simulation training for the control<br>group. The assessments were                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | of the University in Turkey<br>with 88 undergraduate                                                                                                                                                                                         | participants were in<br>lasted 40 minutes after                                                                                                                                                                                           |                                          | simulation based learning.<br>Laugher voga also increased self-                                                                                                                                                                      |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| randomized controlled trial. Nurse Education in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | administered post debriefing as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | nursing students that were                                                                                                                                                                                                                   | all assessments and                                                                                                                                                                                                                       |                                          | Laugher yoga a iso increased self-<br>confidence and satisfaction with                                                                                                                                                               | The only potential<br>bias was the                                                                                                                                                                                          |                      |                         |                                                                    |
| Practice, 70, 103636-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | well. Block randomization and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A pragmatic                         | randomized into the                                                                                                                                                                                                                          | prior to the simulation                                                                                                                                                                                                                   | Simulation Based                         | learning. Laughter yoga was                                                                                                                                                                                                          | second author                                                                                                                                                                                                               |                      |                         | Well run study with                                                |
| 103636. https://doi.org/10.1016/j.nepr.2023.10363                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | blinding were both used in this study to decrease bias.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | randomized control<br>trial.        | intervention or control                                                                                                                                                                                                                      | training session that<br>both groups attended.                                                                                                                                                                                            | Learning theory<br>discussed.            | found to enhance vital signs after<br>intervention.                                                                                                                                                                                  | conducting the<br>laughter yoga.                                                                                                                                                                                            | 2a                   | Included                | intended population for my<br>purposes.                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Table 5 and 1 and  |                                     | Female only students at a                                                                                                                                                                                                                    | our goupe aracineta.                                                                                                                                                                                                                      | a mean real                              | and to mich.                                                                                                                                                                                                                         | 1000                                                                                                                                                                                                                        |                      | increased.              | pas poraca.                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | school in china with 57<br>recruited and 40                                                                                                                                                                                                  | The intervention was                                                                                                                                                                                                                      |                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             | 1                    |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                              |                                     | participating fally, 20 in                                                                                                                                                                                                                   | 16 weeks of 70 min                                                                                                                                                                                                                        |                                          |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                             | 1                    |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Single limb stance, Rombergs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | each group. The mean age                                                                                                                                                                                                                     | yoga sessions twice a                                                                                                                                                                                                                     |                                          | Th                                                                                                                                                                                                                                   |                                                                                                                                                                                                                             | 1                    |                         |                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | of the particpants was<br>20.35. The study took place                                                                                                                                                                                        | week by experts in<br>yoga for the                                                                                                                                                                                                        |                                          | The yoga intervention improved<br>balance and flexibility of the                                                                                                                                                                     |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Luo, X., & Huang, X. (2023). The effects of a your                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | measurement, sit and reach test, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | during the pandemic.                                                                                                                                                                                                                         | experiment group and                                                                                                                                                                                                                      |                                          | students and it was suggested that                                                                                                                                                                                                   |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| Luo, X., & Huang, X. (2023). The effects of a yoga intervention on balance and flexibility in female                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | measurement, sit and reach test, and<br>splits test were used to measure and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 1                                        | an onlince yoga class would                                                                                                                                                                                                          | Potential bias was                                                                                                                                                                                                          | I                    | ı                       | The study do not include                                           |
| intervention on balance and flexibility in female<br>college students during COVID-19: A randomized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | measurement, sit and reach test, and<br>splits test were used to measure and<br>obtain data. Randomization used to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | Students had no other                                                                                                                                                                                                                        | ten minute sessions<br>twice a week of your                                                                                                                                                                                               |                                          | improve healthy behaviors for                                                                                                                                                                                                        |                                                                                                                                                                                                                             |                      |                         |                                                                    |
| intervention on balance and flexibility in female<br>college students during COVID-19: A randomized<br>controlled trial. PloS One, 18 (3), e028:2260-<br>e028:2260. https://doi.org/10.1371/journal.pone.028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | measurement, sit and reach test, and<br>splits test were used to measure and<br>obtain data. Randomization used to<br>place participants in each<br>group.Participants recruited with a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Randomized control                  | Students had no other<br>physical disabilities or<br>previous experience with                                                                                                                                                                | twice a week of yoga<br>videos for 16 weeks                                                                                                                                                                                               |                                          | improve healthy behaviors for<br>this age group during a                                                                                                                                                                             | that only females                                                                                                                                                                                                           |                      |                         | any mindfulness, stress, or                                        |
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PloS One, 18 (3), e0282260-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | measurement, sit and reach test, and<br>splits test were used to measure and<br>obtain data. 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| intervention on balance and flexibility in female<br>college students during COVID-19: A randomized<br>controlled trial. PloS One, 18 (3), e028:2260-<br>e028:2260. https://doi.org/10.1371/journal.pone.028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | measurement, sit and reach test, and<br>splits test were used to measure and<br>obtain data. 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PloS One, 18 (3), e028:2260-<br>e028:2260. https://doi.org/10.1371/journal.pone.028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | measurement, sit and reach sext, and<br>splits text were used to measure and<br>obtain data. 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Convenience sample of 63                                                                                                                             | twice a week of yoga<br>videos for 16 weeks<br>in the control group.<br>45 minute yoga<br>sessions two times a<br>week for six weeks<br>using Ha tha and<br>Bhakti yoga with an                                                           | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandermic.                                                                                                                                                               | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an                                                                                                 | 2a                   | Excluded                | any mindfulness, stress, or                                        |
| intervention on balance and flexibility in female college statement daming COVID-19. A randomized controlled statistic Maring COVID-19. A randomized controlled stail. Plass Color, 18 (3), e028.2260. app.://doi.org/10.1371/journal.pose.028.2260. https://doi.org/10.1371/journal.pose.028.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | measurement, sit and reach test, and<br>splits test were used to measure and<br>obtain data. 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Convenience sample of 63 healthy female college                                                                                                               | twice a week of yoga<br>videos for 16 weeks<br>in the control group.<br>45 minute yoga<br>sessions two times a<br>week for six weeks<br>using Ha tha and<br>Bhakti yoga with an<br>emphasis on biblical                                   | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandemic.  The yoga intervention with                                                                                                                                    | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an<br>active peer of the                                                                           | 2a                   | Excluded                | any mindfulness, stress, or                                        |
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Phis Cote., 18 (3), e0282260. e0282260. https://doi.org/10.1371/journal.pone.028.2260. https://doi.org/10.1371/journal.pone.028.2260.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | measurement, sit and reach test, and<br>ophis test were used to measure and<br>obtain data. Randomization used to<br>place participants in each<br>group-Participants recruised with a<br>diver at a school in China.  The Brief COPE assessment,<br>Perceived Stees Scale, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | Students had no other<br>physical disabilities or<br>previous experience with<br>yoga.  Convenience sample of 63<br>healthy female college<br>students, mean age 18.56 at                                                                    | twice a week of yoga<br>videos for 16 weeks<br>in the control group.<br>45 minute yoga<br>sessions two times a<br>week for six weeks<br>using Ha tha and<br>Bhakti yoga with an<br>emphasis on biblical<br>scripture and a                | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandemic.  The yoga intervention with<br>scripture was determined to                                                                                                     | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an<br>active peer of the<br>group of students.                                                     | 2a                   | Excluded                | any mindfulness, stress, or                                        |
| intervention on balance and flexibility in female college subsets during COVID-19. A randomized controlled trial. Phis Cote., 18 (3), e0282260. e0282260. https://doi.org/10.1371/journal.goos.028.2260  Rose, S., Cruicher, B., Farness, A., & Anderson, E., 2023). Examination of faith-based yogs intervention on perceived stress and coping in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | measurement, sit and reach sext, and applies test were used to measure and obtain data. Randomization used to place participants in each group Participants recruited with a flyer at a school in China.  The Brief COPE assessment, Perceived Stress Scale, and demographic que disonate were used to make the measurement of the properties of |                                     | Sudense had no other physical disabilities or previous experience with you.  Con venience sample of 63 healthy female college students, mean age 18.56 at a small Christian college in western region of United                              | twice a week of yoga videos for 16 week of yoga in the control group. 45 minute yoga sessions two times a week for six weeks using Hatha and Bhakti yoga with an emphasis on biblical scripture and a detailed plan administered by a     | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandemic.  The yoga intervention with<br>scripture was determined to<br>improve psychological wellness<br>in college students. The data                                  | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an<br>active peer of the<br>group of students.<br>The selection of<br>students from a              | 2a                   | Excluded                | any mind fulness, stress, or<br>anxiety scales.                    |
| intervention on balance and flexibility in female college subsets during COVID-19. A randomized controlled striat. Phis Cote, 18 (3), e028;2260-00282260. https://doi.org/10.1371/journal.pone.028.2260. https://doi. | measurement, sit and reach text, and<br>phylis text were used to measure and<br>obtain data. Randomization used to<br>place participatis in each<br>group Participants recruised with a<br>flyer at a school in China.  The Brief COPE assessment,<br>Perceived Stress Scale, and<br>deemegraphic que oftonaire were<br>used for this study, informed<br>concent was given by all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     | Sudents had no other physical disabilities or previous experience with yoga.  Convenience sample of 63 healthy female college students, mean age 18.56.at a small Christian college in western region of United States with 22 participating | twice a week of yoga videos for 16 weeks in the control group. 45 minute yoga 45 minute yoga week for six weeks using Ha tha and Bhakti yoga with an emphasis on biblical scripture and a detailed plan administered by a cert field yoga | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandemic.  The yoga intervention with<br>scripture was determined to<br>improve psychological wellness<br>in college students. The data<br>supported decrease in stress, | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an<br>active peer of the<br>group of students.<br>The selection of<br>students from a<br>Religious | 2a                   | Excluded                | any mindfulness, stress, or anxiety scales.  This study met target |
| intervention on balance and flexibility in female college subsets during COVID-19. A randomized controlled trial. Phis Cote., 18 (3), e0282260. e0282260. https://doi.org/10.1371/journal.goos.028.2260  Rose, S., Cruicher, B., Farness, A., & Anderson, E., 2023). Examination of faith-based yogs intervention on perceived stress and coping in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | measurement, sit and reach sext, and applies test were used to measure and obtain data. Randomization used to place participants in each group Participants recruited with a flyer at a school in China.  The Brief COPE assessment, Perceived Stress Scale, and demographic que disonate were used to make the measurement of the properties of | trial study.                        | Sudense had no other physical disabilities or previous experience with you.  Con venience sample of 63 healthy female college students, mean age 18.56 at a small Christian college in western region of United                              | twice a week of yoga videos for 16 week of yoga in the control group. 45 minute yoga sessions two times a week for six weeks using Hatha and Bhakti yoga with an emphasis on biblical scripture and a detailed plan administered by a     | N/A                                      | improve healthy behaviors for<br>this age group during a<br>pandemic.  The yoga intervention with<br>scripture was determined to<br>improve psychological wellness<br>in college students. The data                                  | that only females<br>were recruited.<br>Potential bias is the<br>instructor is an<br>author of the study<br>and was also an<br>active peer of the<br>group of students.<br>The selection of<br>students from a              | 2a                   | Excluded                | any mind fulness, stress, or<br>anxiety scales.                    |