



دانشگاه علوم پزشکی گیلان
مجموعات تکمیلی دانشگاه

بسمه تعالی
صورت جلسه دفاع از پایان نامه

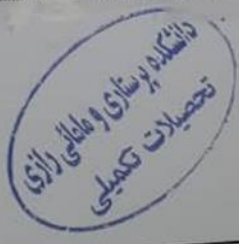
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پیوست:

جلسه دفاعیه پایان نامه خانم مریم دهقانی پور دانشجوی کارشناسی ارشد مشاوره درمانی ورودی ۹۷ تحت عنوان "مقایسه دو روش آموزش خرد و کلاس معکوس بر قصد گفتگوی دانشجویان مامایی دانشگاه علوم پزشکی کرمان برای مشاوره ی عملکرد جنسی دربارداری بر مبنای تئوری رفتار برنامه ریزی شده ۱۴۰۰-۱۳۹۹" به راهنمایی خانم دکتر معصومه غضنفرپور در ساعت ۱۰ صبح روز چهارشنبه مورخ ۱۳۹۹/۱۱/۰۶ با حضور اعضای محترم هیات داوران متشکل از:

سمت	نام و نام خانوادگی	امضا
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ب: اساتید مشاور	دکتر عاطفه احمدی	
ج: عضو هیات داوران (داخلی)	خانم صاحبه دادشاهی	
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تشکیل گردید و ضمن ارزیابی به شرح پیوست با درجه و نمره ۱۸/۱۸ مورد تأیید قرار گرفت.

دکتر فیروزه میرزایی رابر
مهر و امضاء معاون امور علمی دانشکده





دانشگاه علوم پزشکی

و خدمات بهداشتی درمانی کرمان

دانشکده پرستاری و مامایی رازی

پایان نامه کارشناسی ارشد رشته مشاوره در مامایی

عنوان

مقایسه دو روش آموزش خرد و کلاس معکوس بر قصد گفتگوی دانشجویان مامایی دانشگاه علوم

پزشکی کرمان برای مشاوره‌ی عملکرد جنسی در بارداری بر مبنای تئوری رفتار برنامه‌ریزی شده

۱۳۹۹-۱۴۰۰

توسط

مریم دهقانی پور

استاد راهنما

دکتر معصومه غضنفرپور

استاد مشاور

دکتر عاطفه احمدی

سال تحصیلی (مهر ۱۴۰۰)

شماره پایان‌نامه: (...)

چکیده:

مقدمه و اهداف: تغییرات فیزیکی، هورمونی و شناختی بارداری، تاثیر احتمالی آن بر روابط جنسی زوجین و عدم اطلاعات و آگاهی از این تغییرات می تواند تأثیرات جبران ناپذیری بر کیفیت زندگی زوجین داشته باشد. ارائه مشاوره جنسی توسط ماما به عنوان در دسترس ترین فرد برای ارائه مراقبت به زنان باردار، تحت تاثیر باورها، نظام ارزشی و نگرش ماما به اهمیت این موضوع دارد. ماماها با تکیه بر دانش و مهارت های کسب کرده در دوران تحصیل خود می توانند مشاورانی توانمند در ارتقا همی ابعاد سلامت جامعه باشند. به کارگیری شیوه های نوین آموزشی در دانشگاهها می تواند منجر به پرورش دانش آموختگانی خودکارآمد و خلاق شود که برای عملکردهای حوزه سلامت آماده باشند. مطالعه حاضر باهدف مقایسه تدریس با دو روش آموزش خرد و کلاس معکوس بر قصد گفتگوی دانشجویان مامایی دانشگاه علوم پزشکی کرمان برای مشاوره ی عملکرد جنسی در بارداری بر مبنای تئوری رفتار برنامه ریزی شده، ۱۳۹۹-۱۴۰۰ انجام خواهد شد.

روش ها در این مطالعه نیمه تجربی ۵۷ دانشجویان مامایی سال سوم و چهارم دانشگاه علوم پزشکی کرمان و جیرفت، به روش سرشماری انتخاب و پس از تکمیل پرسشنامه و کسب معیار ورود، وارد مطالعه شدند. به دلیل امکان تبادل فایلها و اطلاعات طبق نمونه گیری هدفمند دانشجویان هر دانشگاه (کرمان ۳۴ نفر و جیرفت ۲۳ نفر) به دو گروه تقسیم شده و به وسیله تخصیص تصادفی دانشجویان کرمان در گروه آموزش معکوس و دانشجویان جیرفت در گروه آموزش خرد قرار گرفتند. پکیج آموزشی مبتنی بر تئوری رفتار برنامه ریزی شده در طی ۴ جلسه هفتگی به دو روش یادگیری خرد و کلاس معکوس به دو گروه ارائه شد. بعد از پایان جلسات و تکمیل پرسشنامه پس از آزمون، داده ها جمع آوری و با استفاده از نرم افزار spss ۲۲ تجزیه و تحلیل شد.

یافته ها: بررسی نتایج نشان داد در گروه کلاس معکوس میانگین نمره همی ابعاد تئوری رفتار برنامه ریزی شده (نگرش، هنجارهای انتزاعی و کنترل رفتاری درک شده و قصد رفتاری) بعد از مداخله تفاوت معناداری داشته است. در گروه آموزش خرد میانگین نمره نگرش و قصد رفتاری افزایش معنادار بود ولی در ابعاد هنجارهای انتزاعی و کنترل رفتاری درک شده تفاوت معناداری دیده نشد در بررسی بین گروهها مشخص شد که مداخله به روش کلاس معکوس در ارتقا همی ابعاد از کارایی بهتری برخوردار بود.

بحث و نتیجه گیری: آموزش بر اساس تئوریهها چنانچه با روشهای نوین آموزش ترکیب گردد در ارتقاء مهارتهای بالینی دانشجویان تاثیر فراوانی دارد. بنابراین پیشنهاد می شود از روش های مختلف تدریس برای آموزش های بالینی در برنامه های رایج آموزش دانشجویان و ضمن خدمت کارکنان استفاده شود.

کلمات کلیدی:

روش تدریس. روشهای نوین تدریس. آموزش کلاس معکوس. آموزش خرد. مشاوره جنسی. نظریه تئوری رفتار برنامه ریزی شده

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۱. Mangeli M, Ramezani T, Mangeli S. The Effect of Educating about Common Changes in Pregnancy Period and the Way to Cope with them on Marital Satisfaction of Pregnant Women. *Iranian Journal of Medical Education*. 2008;8.(۲)
۲. Heydari M. Couples' knowledge and attitude about sexuality in pregnancy. *Tehran University Medical Journal TUMS Publications*. 2006;64(9) :83-9.
۳. Hasan M. Why pregnant women delay prenatal care? *Iran Journal of Nursing*. 1998;12(16) :93-7.
۴. Bahrani, Tvasoli.afsane. Qualitative study of taboos in sexual dissatisfaction of women seeking divorce. *Women's Research Journal*. 2020;11.(۳۳)
۵. Binfa L, Pantoja L, Gonzalez H, Ransjö Arvidson A-B, Robertson E. Chilean midwives and midwifery students' views of women's midlife health-care needs. *Midwifery*. 2011;27(4) :417-23.
۶. Glanz K, Saelens BE. Relevant health education and health promotion theory for childhood obesity prevention. *Childhood obesity prevention : International research, controversies and interventions*. 2010;12(23) :203-13.
۷. Armitage CJ, Arden MA. Exploring discontinuity patterns in the transtheoretical model : An application of the theory of planned behaviour. *British journal of health psychology*. 2002;7(1) :89-103.
۸. Larki.mona, Tafazzoli.mahin, LATIFNEJAD RR, SHAKERI MT, BABAEE A. The Effect of a Training Program Based on the Theory of Planned Behaviour (TPB) on Sexual High-Risk Behavioural Intentions in Female Prisoners, Vakil Abad Prison, Mashhad, Iran, 2013. 2016.
۹. Dai Y, Cook OY, Yeganeh L, Huang C, Ding J, Johnson CE. Patient-reported barriers and facilitators to seeking and accessing support in gynecologic and breast cancer survivors with sexual problems : a systematic review of qualitative and quantitative studies. *The journal of sexual medicine*. 2020;17(7) :1326-58.
۱۰. Memis S, Balkaya NA, Demirkiran F, editors. Knowledge, attitudes, and behaviors of nursing and midwifery students regarding breast self-examination in Turkey. *Oncology nursing forum*; 2009.

- .۱۱ Percat A, Elmerstig E. "We should be experts, but we're not : "Sexual counselling at the antenatal care clinic. *Sexual & reproductive healthcare*. 2017;14 :85-90.
- .۱۲ Esmaili M. The effect of structured education on female sexual function in pregnancy : Qazvin university medical science
- .۲۰۱۸
- .۱۳ Loving GL, Wilson JS .Infusing critical thinking into the nursing curriculum through faculty development. *Nurse Educator*. 2000;25(2) :70-5.
- .۱۴ Mahmodi G, Hassanzadeh R, Heidari G. The effect of sex education on family health on Mazandran medical university students. *The Horizon of Medical Sciences*. 2007;13(2) :64-70.
- .۱۵ Khoshroodi G. Provide a teaching model with a new approach to integrated education. *Research in teaching integrated and multi-grade classes*. 2021;1(1) :8-20.
- .۱۶ Jafaraghaie F, Dehghanzadeh S, Khordadi-Astane H. Nursing students' experience in a flipped classroom method. *Research in Medical Education*. 2017;9(1) :36-27.
- .۱۷ Hakimzadeh R, Afandideh N. Qualification of e-learning medical education courses of Tehran University of Medical Sciences. *Education Strategies in Medical Sciences*. 2014;7(4) :257-64.
- .۱۸ Lima ACd, Dotto LMG, Mamede MV . Prevalence of sexual dysfunction in primigravidae in Rio Branco, Acre State, Brazil. *Cadernos de saude publica*. 2013;29(8) :1544-54.
- .۱۹ Tong J, Zhang C, Zhu L, Zhang L, Jinghe L. Sexual dysfunction in perimenopausal women based on a national epidemiological survey in China. *Climacteric*. 2019;22(2) :190-4.
- .۲۰ Daud S, Zahid AZM, Mohamad M, Abdullah B, Mohamad NAN. Prevalence of sexual dysfunction in pregnancy. *Archives of gynecology and obstetrics*. 2019;300(5) :1279-85.
- .۲۱ Read J. Sexual problems associated with infertility, pregnancy, and ageing. *Bmj*. 2004;329(7465) :559-61.

.۲۲ Alizadeh S, Riazi H, Alavi-Majd H, Ozgoli G. Prevalence of female sexual dysfunction during pregnancy in Eastern Mediterranean Regional Office Countries (EMRO) : a systematic review and meta-analysis. *The Journal of Maternal-Fetal & Neonatal Medicine*. 2021 :1-9.

.۲۳ Hajnasiri H, Moafi F, Nami M, Safaralinezhad A. Sexual dysfunction and its related factors among pregnant women referred to health centers in Qazvin, Iran. *Social Health and Behavior*. 2020;3(1):27.

.۲۴ Wolpe RE, Zomkowski K, Silva FP, Queiroz APA, Sperandio FF. Prevalence of female sexual dysfunction in Brazil : A systematic review. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 2017;211 :26-32.

.۲۵ Khalesi ZB, Bokaie M, Attari SM. Effect of pregnancy on sexual function of couples. *African health sciences*. 2018;18(2):227-34.

.۲۶ Bayrami R, Sattarzadeh N, Koochaksariie FR, Pezeshki MZ. Sexual dysfunction in couples and its related factors during pregnancy. *Journal of Reproduction & Infertility*. 2008;9.(۳)

.۲۷ Mansour S, Shebl AM, Waheda SM. The effect of sexual counseling program on pain level and sexual function among women with dyspareunia. *J Educ Pract*. 2014;5(3):208.

.۲۸ Boonroungrut C, Fei H. The Theory of Planned Behavior and Transtheoretical Model of Change : a systematic review on combining two behavioral change theories in research. *Journal of Public Health and Development*. 2018;16(1):75-87.

.۲۹ David D, Cristea I, Hofmann SG. Why cognitive behavioral therapy is the current gold standard of psychotherapy. *Frontiers in psychiatry*. 2018;9:4.

.۳۰ Guvenc G, Akyuz A, Açikel CH. Health belief model scale for cervical cancer and Pap smear test : psychometric testing. *Journal of advanced nursing*. 2011;67(2):428-37.

.۳۱ Glanz K, Rimer BK, Viswanath K. *Health behavior and health education : theory, research, and practice*.

John Wiley & Sons

۹۰-۱۰۳ .۲۰۰۸p.

- .۳۲ Tsai L-M, Yan Y-H. A preliminary study on applying holistic health care model on medical education behavioral intention : a theoretical perspective of planned behavior . BMC Medical Education. 2021;21(1):1-7.
- .۳۳ Hughes E, Edmondson AJ, Onyekwe I, Quinn C, Nolan F. Identifying and addressing sexual health in serious mental illness : views of mental health staff working in two National Health Service organizations in England. *International Journal of Mental Health Nursing*. 2018;27(3):966-74.
- .۳۴ Homer CS, Lopes SC, Nove A, Michel-Schuldt M, McConville F, Moyo NT, et al. Barriers to and strategies for addressing the availability, accessibility, acceptability and quality of the sexual, reproductive, maternal, newborn and adolescent health workforce : addressing the post-2015 agenda .BMC pregnancy and childbirth. 2018;18(1):1-11.
- .۳۵ Canzona MR, Ledford CJ, Fisher CL, Garcia D, Raleigh M, Kalish VB. Clinician barriers to initiating sexual health conversations with breast cancer survivors : The influence of assumptions and situational constraints. *Families, Systems, & Health*. 2018;36(1):20.
- .۳۶ Ozgoli G, Sheikhan Z, Dolatian M, Valaee N. The survey of obstacle and essentiality health providers for sexual health evaluation in women referring to health centers related of Shahid Beheshti University of Medical Sciences. *Pajoohandeh Journal*. 2014;19(4):175-83.
- .۳۷ Tyson M, Covey J, Rosenthal HE. Theory of planned behavior interventions for reducing heterosexual risk behaviors : A meta-analysis. *Health Psychology*. 2014;33(12):1454.
- .۳۸ tabatabayi G, mahmood, afrashte y. Analyzing the Relationships of Some Variables Related to Student Teaching Evaluation : An Application of the Structural Equation Model. *Quarterly Journal of Research and Planning in Higher Education*. 2012;18(2):83-107.
- .۳۹ Khanova J, Roth MT, Rodgers JE, McLaughlin JE. Student experiences across multiple flipped courses in a single curriculum. *Medical Education*. 2015;49(10):1038-48.
- .۴۰ Rodríguez G, Díez J, Pérez N, Baños J-E, Carrión M. Flipped classroom : Fostering creative skills in undergraduate students of health sciences. *Thinking Skills and Creativity*. 2019;33:100575.

- .ε\ Saberi A, Kazempour E, Porkar A. Feasibility of Utilizing Virtual Education from the viewpoints of Professors, Students and Information technology Staff (IT) in Guilan University of Medical Sciences. *Research in Medical Education*. 2018;10(1):29-1.
- .εΥ Giurgiu L. Microlearning an evolving elearning trend. *Scientific Bulletin-Nicolae Balcescu Land Forces Academy*. 2017;22(1):18-23.
- .εΥ Göchlberger B, editor A platform for social microlearning. *European Conference on Technology Enhanced Learning*; 2016: Springer.
- .εε Jahnke I, Lee Y-M, Pham M, He H, Austin L. Unpacking the inherent design principles of mobile microlearning. *Technology, Knowledge and Learning*. ۶۱۹-۵۸۵:(۳)۲۵;۲۰۲۰ .
- .ε۵ Fatima SS, Arain FM, Enam SA. Flipped classroom instructional approach in undergraduate medical education. *Pakistan journal of medical sciences*. 2017;33(6):1424.
- .ε۶ Shao C, Chen W. Study on Teaching Mode of Business English in Flipped Classroom. 2019.
- .ε۷ Tan C, Yue W-G, Fu Y. Effectiveness of flipped classrooms in nursing education : Systematic review and meta-analysis. *Chinese Nursing Research*. 2017;4(4):192-200.
- .ε۸ Harrington SA, Bosch MV, Schoofs N, Beel-Bates C, Anderson K .Quantitative outcomes for nursing students in a flipped classroom. *Nursing Education Perspectives*. 2015;36(3):179-81.
- .ε۹ Asadi, Hashemirad, Shamsadin, POUR M, sayid. The effect of guided exploratory teaching method on the creativity of eighth grade female students in experimental sciences. *New advances in psychology, educational sciences and education*. 2019;18(2):113-26.
- .۵۰ Aliei MM, Ghelichkhani F, Pakghohar M, Abadi MMM. Effectiveness of a sex education program on sexual function in postmenopausal women with sexual dysfunction : A randomized trial. *Payesh (Health Monitor)*. 2016;15(2):181-92.

- .۵۱ Shayan A, Khodabandeloo R, Solatani F, Esfandeh K, Masoumi SZ, Mohammadi Y, et al. The relationship between attitudes and sexual function in pregnant women referred to health centers–medical city of Hamadan. *Pajouhan Scientific Journal*. 2020;18(2):20–9.
- .۵۲ Khajehei M, Doherty M, Tilley PM. An update on sexual function and dysfunction in women. *Archives of women's mental health*. 2015;18(3):423–33.
- .۵۳ Hajnasiri H, Aslanbeygi N, Moafi F, Mafi M. Investigating the relationship between sexual function and mental health in pregnant females. *Iranian Journal of Psychiatric Nursing*. 2018;6(2):33–40.
- .۵۴ Oindi FM, Murage A, Lema VM, Mukaindo AM. Association of Female Sexual Dysfunction and Fertility: a cross sectional study. *Fertility research and practice*. 2019;5(1):1–11.
- .۵۵ Wakefield JC. DSM-5 proposed diagnostic criteria for sexual paraphilias : Tensions between diagnostic validity and forensic utility. *International journal of law and psychiatry*. 2011;34(3):195–209.
- .۵۶ Briken P, Habermann N, Berner W, Hill A. Diagnosis and treatment of sexual addiction : A survey among German sex therapists. *Sexual Addiction & Compulsivity*. 2007;14(2):131–43.
- .۵۷ Sayi g, MARZIYE D ,Rostami, Tehrani r, fahime. Modern pharmacological treatments for sexual dysfunction in women : A narrative review . *Iranian Journal of Obstetrics, Gynecology and Infertility*. 2020;23(9):69–84.
- .۵۸ Yazdanpanahi Z, Nikkholgh M, Akbarzadeh M, Pourahmad S. Stress, anxiety, depression, and sexual dysfunction among postmenopausal women in Shiraz, Iran, 2015. *Journal of family & community medicine*. 2018;25(2):82.
- .۵۹ Santana LM, Perin L, Lunelli R, Inácio JFS, Rodrigues CG, Eibel B, et al. Sexual dysfunction in women with hypertension : a systematic review and meta–analysis. *Current hypertension reports*. 2019;21(3):1–10.
- .۶۰ Cho JW, Duffy JF. Sleep, sleep disorders, and sexual dysfunction. *The world journal of men's health*. 2019;37(3):261–75.

- .71 Fuentelba-Torres M, Cartagena-Ramos D, Fronteira I, Lara LA, Arroyo LH, Arcoverde MAM, et al. What are the prevalence and factors associated with sexual dysfunction in breastfeeding women? A Brazilian cross-sectional analytical study. *BMJ open*. 2019;9(4):e025833.
- .72 Hatzichristou D, Kirana P-S, Banner L, Althof SE, Lonnee-Hoffmann RA, Dennerstein L, et al. Diagnosing sexual dysfunction in men and women: sexual history taking and the role of symptom scales and questionnaires. *The journal of sexual medicine*. 2016;13.82-1177:(8)
- .73 Alexander M, Bashir K, Alexander C, Marson L, Rosen R. Randomized trial of clitoral vacuum suction versus vibratory stimulation in neurogenic female orgasmic dysfunction. *Archives of physical medicine and rehabilitation*. 2018;99(2):299-305.
- .74 Pierce GL, Eskurza I, Walker AE, Fay TN, Seals DR. Sex-specific effects of habitual aerobic exercise on brachial artery flow-mediated dilation in middle-aged and older adults. *Clinical science*. 2011;120(1):13-23.
- .75 Marcus BS. Changes in a woman's sexual experience and expectations following the introduction of electric vibrator assistance. *The journal of sexual medicine*. 2011;8(12):3398-406.
- .76 Bergeron S, Binik YM, Khalife S, Pagidas K, Glazer HI, Meana M, et al. A randomized comparison of group cognitive-behavioral therapy, surface electromyographic biofeedback, and vestibulectomy in the treatment of dyspareunia resulting from vulvar vestibulitis. *Pain*. 2001;91(3):297-306.
- .77 Dor Mohammadi M, Jafarnezhad F, Aghayi MA, Kazemeini H. Investigating the relationship between sexual function and obesity in women. *The Iranian Journal of Obstetrics, Gynecology and Infertility*. 2012;15(24):26-33.
- .78 Khajehei M, Doherty M, Tilley P. An update on sexual function and dysfunction in women. *Archives of Women's Mental Health*. 2015;18(3):423-33.
- .79 Nejati B, Kazemi F, Masoumi SZ, Parsa P, Karami M, Mortazavi A. Efficacy of sexual consultation based on PLISSIT model (permission, limited information, specific suggestions, intensive therapy) on sexual function

among pregnant women : a randomized controlled clinical trial. Journal of Isfahan Medical School. 2017;35(435):739-48.

.۷۰ Galzka I, Droszol-Cop A, Naworska B, Czajkowska M, Skrzypulec-Plinta V. Changes in the sexual function during pregnancy. The journal of sexual medicine. 2015;12(2):445-54.

.۷۱ Olson M, Seikkula J, Ziedonis D. The key elements of dialogic practice in open dialogue : Fidelity criteria. Worcester : University of Massachusetts Medical School. 2014.

.۷۲ Earl M. Teaching faith. Religious Literacy, Law and History : Routledge; 2018. p. 152-66.

.۷۳ Kazepides T. Education as dialogue. Educational Philosophy and Theory. 2012;44(9):913-25.

.۷۴ Raelin JA. The manager as facilitator of dialogue. Organization. 2013;20(6):818-39.

.۷۵ Nelissa Z, Marsela F, Bahri S, Oktavianda M, Husen M, editors. Peumulia Jamee Culture and the Stage of Building Rapport in Individual Counseling Process. 2nd International Seminar on Guidance and Counseling 2019 (ISGC 2019); 2020 : Atlantis Press.

.۷۶ Behrendt P, Götz AS, Heuer K. Career counseling process quality promotes reemployment. Journal of Career Development. 2019:0894845319884731.

.۷۷ Van Wart M. Dynamics of leadership in public service : Theory and practice : Routledge; 2014.

.۷۸ Shipley R, Utz S. Making it count : A review of the value and techniques for public consultation. Journal of Planning Literature. 2012;27(1):22-42.

.۷۹ Mozafari. Counseling etiquette and techniques. massage. 2011;106:82-97.

.۸۰ Hezbiiyan Z, Khodakarami B, Parsa P, Faradmal MJ. The effect of postnatal counseling on sexual function in women referred to health centers in Hamedan in 1392. Avicenna Journal of Nursing and Midwifery Care. 2016;24(4):272-80.

.۸۱ Tajadini L. Designing a Counseling Package based on the Needs and Challenges of School Counsellors about Counseling of Girls' Puberty in Kerman, 2019 : Faculty of Nursing and Midwifery, Kerman University of Medical Sciences....

- ١٢ Purnarani R, Hassani L, Aghamolaei T, Mohseni S. The Effect of a Trans-theoretical model-based Education on Regular Consumption of Breakfast in Jiroft Students. *Health and Development Journal*. 2018;6(4):333-43.
- ١٣ Sadeghi R, Khanjani N, Naghibzadeh-Tahami A, Kakolaki ZK. Education of Iranian pregnant women about prevention of influenza A. 2018.
- ١٤ Sarver VT. Ajzen and Fishbein's "theory of reasoned action": A critical assessment. 1983.
- ١٥ Mohammadi Zeydi I, Pakpour-Hagiagha A. Application of the theory of planned behavior for the prevention of substance abuse among male adolescents. *Iranian journal of health education and health promotion*. 2016;3(4):298-310.
- ١٦ Saffari M, Shojaeizadeh D, Ghofranipour F, Heydarnia A, Pakpour A. Health education & promotion-theories, models & methods. Tehran: Sobhan Pub. 2009:21-12.
- ١٧ Aznar-Díaz I, Hinojo-Lucena F-J, Cáceres-Reche M-P, Romero-Rodríguez J-M. Pedagogical Approaches in the Knowledge Society: The Flipped Classroom Method for the Development of Creativity and Dialogical Learning. *International Journal of Emerging Technologies in Learning*. 2020;15.(٣)
- ١٨ Aelterman N, Vansteenkiste M, Haerens L, Soenens B, Fontaine JR, Reeve J. Toward an integrative and fine-grained insight in motivating and demotivating teaching styles: The merits of a circumplex approach. *Journal of Educational Psychology*. 2019;111(3):497.
- ١٩ rahimi z, naghibzadeh-Tahami A, Darvishloo, sajad, Rahimi, Ali. The need for virtual education and the use of information and communication technology as a new teaching method in the country's schools. 2016;10.(٢٠)
- ٢٠ Zare E M, Sarikhani R, MEhraban J, SALARI M. Comparison of Bybee and Traditional Teaching Methods on the Creativity and Cognitive Load in Chemistry Course. 2015.
- ٢١ Rush KL, Janke R, Duchscher JE, Phillips R, Kaur S. Best practices of formal new graduate transition programs: An integrative review. *International Journal of Nursing Studies*. 2019;94:139-58.

- .۹۶ Riddell J, Jhun P, Fung C-C, Comes J, Sawtelle S, Tabatabai R, et al. Does the flipped classroom improve learning in graduate medical education? *Journal of Graduate Medical Education*. 20۱۷-۹۱:(۹)۹;۱۷
- .۹۳ Heimlich JE, Norland E. Teaching style: where are we now? *New directions for adult and continuing education*. 2002;2002(93):17-26.
- .۹۴ Almorad, Asie, Fardanesh, Hashem, Mehrmohamadi, mahmood, et al. Analyzing the guiding nature of teaching: the optimal approach in explaining teacher action based on the situation of action. *Teaching research*. 2017;5(2):83-107.
- .۹۵ Mohamadi, Saberi, Salimi M, Nori, Noshin. A practical guide to the meta-combined method in identifying teachers' professional competencies in teaching the nature of science. *Curriculum studies*. 2018;13(50):75-108.
- .۹۶ Kaviyani h, Hasan M, Liyaghatdar, ZamanI, eshrat b, Abedini. Synthesis of reverse classroom educational outcomes in teaching-learning activities. *Education technology*. 2017;12(1):59-78.
- .۹۷ Lakdashti, yousefi, Khatiri. The effect of educational simulation software on students' learning and memorization and its comparison with traditional teaching methods. *Quarterly Journal of Information and Communication Technology in Educational Sciences*. 2011;1(3):5-21.
- .۹۸ momeni.danayi s, Zarshenas.lale, Oshagh, OMID KHODA SM. Which teaching method is better? Participatory or lecture. 2017;3:12-20.
- .۹۹ Mohamd rizi s, Bahadoran p, Fahami.fariba, Ehsanpour.soraya. The effect of demonstration teaching method on self-efficacy of midwifery students in delivery department. 2019;18.(۱۱)
- .۱۰۰ Farokhi, Afrooz, Akbarpour, mohamad. A review of research-based teaching methods (IBSE) in biology education. *Research in Biology Education*. 20۱۶-۷۷:(۲)۲;۲۰
- .۱۰۱ Roshan g, sogra, Aziznejad r, parvin, Khafri, soraya, et al. The effect of education based on educational needs on clinical learning of undergraduate nursing students. *Research in Medical Education*. 2017;9(2):12-3.
- .۱۰۲ Momeni, Hasan M ,name S, Hasanpour a. Factors affecting the application of new teaching methods among female teachers in Ilam province. *Sociological Association of Education*. 2020;13(1):13-27.

- 103 var D, mohammad, Yosefi r. Creating effective learning opportunities in geography education using the strategy of combined education and research. *Research in social studies education*. 2020;1(2):69-95.
- 104 Moradi, eshagh, Dideban, hoseyn. The need to use the role-playing method in medical universities. *Medicine and cultivation*. 2017;25(3):147-56.
- 105 maleki S, Hoseyn gholi zade r. Evaluation of teaching quality in scientific university. 2002;12.(22)
- 106 Hasanpoor m, haghdoost, fateme, Salsali m. Critical Thinking in Nursing Education. *Iranian Journal of Nursing*. 2005;18(41. 16-7:(
- 107 Mirmoghtadai, zohresadat, Afkari, Bakhshayeshi.moharami, Ayda. The effect of teaching based on animation technology on learning anatomy course of pharmacy students of Tehran University of Medical Sciences. *Journal of Education Development*. 2017;11(1):1-9
- 108 Hajforosh, Orangi. A study of the results of the application of information and communication technology in high schools in Tehran. 2014;11.(13)
- 109 Dahaghin, vahide, Hejazi. Investigating the learning process and motivation in the reverse classroom : A review article. *Scientific Journal of Psychological Development*. 2020;8(11):149-58.
- 110 Piry m, Sahebyar, Sadolahi.arash. The effect of reverse class on self-direction in learning English. 2017;2(8):22-9.
- 111 Chen KS, Monrouxe L, Lu YH, Jenq CC, Chang YJ, Chang YC, et al. Academic outcomes of flipped classroom learning: a meta-analysis. *Medical education*. 2018;52(9):910-24.
- 112 Emerson TL, Taylor BA. Comparing student achievement across experimental and lecture-oriented sections of a principles of microeconomics course. *Southern Economic Journal*. 2004:672-93.
- 113 Maleki m, kian, Marjan. The effect of reverse education method on learning vocational technology course. *Teaching research*. 2018;6(2):1-14.
- 114 Maftoon P, Sarem SN. The realization of Gardner's multiple intelligences (MI) theory in second language acquisition (SLA). *Journal of Language Teaching and Research*. 2012;3(6):1233.

- .۱۱۵ Uzunboylu H, Karagozlu D. Flipped classroom : A review of recent literature. World Journal on Educational Technology : Current Issues. 2015 :142-7.
- .۱۱۶ Kaviani, Liyaghatdar, Zamani, eshrat B, Abedini. Inverted Class Theoretical Framework : Drawing hints for inclusive learning. Research paper on the basics of education. 2018;7(2) :59-78.
- .۱۱۷ Martinelli SM, Chen F, Mcevoy MD, Zvara DA, Schell RM. Utilization of the flipped classroom in anesthesiology graduate medical education : an initial survey of faculty beliefs and practices about active learning. The journal of education in perioperative medicine :JEPM. 2018;20.(۱)
- .۱۱۸ Honari F, Miri M, Moasheri BN. Evaluating the effect of educational intervention based on Theory of Planned Behavior on prenatal care of addicted pregnant women. Journal of Birjand University of Medical Sciences. 2016;23(1) :67-77.
- .۱۱۹ Sepahvand r, Hozni sa. Combined learning and reverse classroom solution for health entrepreneurship (letter to the editor). 2018;11.(۲۲)
- .۱۲۰ Prober CG, Khan S. Medical education reimaged : a call to action. Academic Medicine. 2013;88(10) :1407-10.
- .۱۲۱ Decker J, Hauschild A-L, Meinecke N, Redler M, Schumann M, editors. Adoption of micro and mobile learning in German enterprises : A quantitative study. European conference on e-Learning; 2017 : Academic Conferences International Limited.
- .۱۲۲ Hui B. Application of micro-learning in physiology teaching for adult nursing specialty students. Journal of Qiqihar University of Medicine. 2014;21(61) :3219-20.
- .۱۲۳ Simons LP, Foerster F, Bruck PA, Motiwalla L, Jonker CM. Microlearning mApp raises health competence : hybrid service design. Health and technology. 2015;5(1) :35-43.
- .۱۲۴ Hug T, Lindner M, Bruck PA. Microlearning : Emerging concepts, practices and technologies after e-learning. Proceedings of Microlearning. 2005;5(3) :74.

- .120 Skalka J, Drlík M, editors .Educational model for improving programming skills based on conceptual microlearning framework. International Conference on Interactive Collaborative Learning; 2018 : Springer .
- .126 De Gagne JC, Park HK, Hall K, Woodward A, Yamane S, Kim SS. Microlearning in health professions education : scoping review. JMIR medical education. 2019;5(2):e13997 .
- .127 Wang T, Towey D, Ng R, Li K, Wang P, editors. Microlearning in technical and vocational education and training (TVET) : A case study during the COVID-19 outbreak in Hong Kong. International Conference on Open and Innovative Education (ICOIE2020) : Proceedings; 2020 .
- .128 Gill AS, Irwin DS, Ng RY-k, Towey D, Wang T, Zhang Y, editors. The Future of Teaching Post-COVID-19 : Microlearning in Product Design Education 2020 . IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE); 2020 : IEEE .
- .129 Clark H, Jassal PK, Van Noy M, Paek PL. A new work-and-learn framework. Digital workplace learning : Springer; 2018 . p. 23-41 .
- .130 Andoniou C. Technoliterati : Digital Explorations of Diverse Micro-Learning Experiences Vol. 7. 2017.
- .131 Kabir FS, Kadage AT. ICTs and educational development : The utilization of mobile phones in distance education in Nigeria. Turkish Online Journal of Distance Education. 2017;18(1):63-76.
- .132 Vrana R, Gašić D, Podkonjak M, editors. Supporting mobile learning : usability of digital collections in Croatia for use on mobile devices. 2017 40th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO); 2017 : IEEE .
- .133 Carter J. Expanding access to learning with mobile digital devices. COABE Journal. 2017;6(2):49 .
- .134 Felszeghy S, Pasonen-Seppänen S, Koskela A, Nieminen P, Häkkinen K, Paldanius KM, et al. Using online game-based platforms to improve student performance and engagement in histology teaching. BMC medical education. 2019;19(1):1-11 .

- ۱۳۵ Amidimazaheri m, Sharifi rad g. The effect of educational posters on raising the level of awareness and attitude of residents of selected apartments in Isfahan in the field of oral health. *Journal of Health System Research*. 2011;6(3):0.-
- ۱۳۶ Mokhtari s, Mokhtari s, Hioseynipour z. Comparison of the effect of two methods of watching educational videos and live training by the professor in the topics of fissure sealant and PRR, SSC cutting, pulpotomy and pulpectomy on learning and satisfaction of 9th semester students of Tehran University of Medical Sciences in Practical Children 1. *Iranian Journal of Pediatric Dentistry*. 2020;15(2):33-45.
- ۱۳۷ Monturo CA, Brockway C. Micro-Learning : An Innovative Strategy to Cultivate a Spirit of Inquiry, Step Zero. *Worldviews on Evidence-Based Nursing*. 2019;16(5):416-7.
- ۱۳۸ boroojeni B, Saiid, Ramezani MA, Moghadasi b. Evaluation of the effectiveness of three methods of preventing substance abuse based on information dissemination approach (teaching life skills, presenting posters and catalogs and showing films) on changing attitudes toward addiction in high school male students. *Social Welfare Quarterly*. 2021;21(82):117-37.
- ۱۳۹ nia S, piyraste, Ashraf, johari. The effect of cardiopulmonary resuscitation training by mannequin training and educational video on the awareness of Shahed University staff. *Medical scholar*. 2021;29(4):33. ۱- ۱-
- ۱۴۰ Gross B, Rusin L, Kiesewetter J, Zottmann JM, Fischer MR, Prü ckner S, et al. Microlearning for patient safety : Crew resource management training in 15-minutes. *PloS one*. 2019;14(3):e0213178.
- ۱۴۱ Osaigbovo I, Iwegim C. Instagram : A niche for microlearning of undergraduate medical microbiology. *African Journal of Health Professions Education*. 2018;10(2):75.-
- ۱۴۲ O'Bannon BW, Lubke JK, Beard JL, Britt VG. Using podcasts to replace lecture : Effects on student achievement. *Computers & Education*. 20۰۹۲-۱۸۸۵:(۳)۵۷;۱۱
- ۱۴۳ Seraydar S, EbRAHIMPOUR, Navade s. The effect of using podcasts on academic achievement, learning motivation and students' creative learning in the fifth grade elementary social studies course. *Quarterly Journal of Information and Communication Technology in Educational Sciences*. 2021;11(4 (44)):67-88.

- . \ \ \ \ \ Iгореvich AD, Fedorovych ZV, Oleksandrivna DN, editors. UDC 614.23/. 25 : 374 : 004.77 PROBLEMS AND RELEVANCE OF THE USE OF PODCASTS IN POSTGRADUATE EDUCATION OF DOCTORS. The 2nd International scientific and practical conference "Science, innovations and education : problems and prospects"(September 15–17, 2021) CPN Publishing Group, Tokyo, Japan 2021 499 p; 2021 .
- . \ \ \ \ \ Berk J, Trivedi SP, Watto M, Williams P, Centor R. Medical education podcasts : where we are and questions unanswered. *Journal of general internal medicine*. 2020;35(7):2176–8.
- . \ \ \ \ \ Seraydar S, Ebarhim Pour Komleh S, Safar Navadeh M. The Impact of Using Podcasts Academic Achievement, Learning Motivation And Creative Learning of students in fifth grade's elementary school social studies. *Information and Communication Technology in Educational Sciences*. 2021;11(44):67–88.
- . \ \ \ \ \ Riddell J, Robins L, Brown A, Sherbino J, Lin M, Ilgen JS. Independent and interwoven : a qualitative exploration of residents' experiences with educational podcasts. *Academic Medicine*. 2020;95(1):89–96.
- . \ \ \ \ \ Rutledge C, Walsh CM, Swinger N, Auerbach M, Castro D, Dewan M, et al. Gamification in action : theoretical and practical considerations for medical educators. *Academic Medicine*. 2018;93(7):1014–20.
- . \ \ \ \ \ Ismail MA–A, Ahmad A, Mohammad JA–M, Fakri NMRM, Nor MZM, Pa MNM. Using Kahoot! as a formative assessment tool in medical education : a phenomenological study. *BMC medical education*. 2019;19(1):1. \ \ \ \ \
- . \ \ \ \ \ Tabaghdehi MH, Keramat A, Khosravi A. Prevalence of female sexual dysfunction in Iran : a meta-analysis study. *International Journal of Health Studies*. 2017;2.(\ \ \ \ \)
- . \ \ \ \ \ Gaber MA, Al Shaimaa EE. Prevalence of female sexual dysfunction during pregnancy. *Menoufia Medical Journal*. 2021;34(2):503 .
- . \ \ \ \ \ Khadivzadeh T, Ardaghi M, Mazloun SR, Modaresi E. The relationship between midwifery students' attitudes towards couples' sexual relationships and their clinical skills in providing sexual health of counseling services. *Journal of Midwifery and Reproductive Health*. 2016;4(1):530–9.

- ۱۵۳ Ghertali, Ahmad, ZADE R, Alamolhoda, jamile. Identifying barriers to using reverse class in Iranian higher education. *Teaching research*. 2020;8(4):230-12.
- ۱۵۴ nejad T, Hoshmandja, karami A .د.ا.ا.ا.,Examining the use of the reverse class approach in higher education : A systematic review. *Quarterly Journal of Educational Psychology*. 2019;15(53):183-224.
- ۱۵۵ Wittich CM, Agrawal A, Wang AT, Halvorsen AJ, Mandrekar JN, Chaudhry S, et al. Flipped classrooms in graduate medical education : a national survey of residency program directors. *Academic Medicine*. 2018;93(3):471-7.
- ۱۵۶ Abolghasemi, mohamadi. Investigating the effect of reverse learning method on attitude and performance in elementary mathematics. *Education technology*. 2020;15(1):1-8.
- ۱۵۷ Dinanvand, Ali, GOLZARI. The effect of reverse teaching method on teachers' professional attitude and self-efficacy. *Education technology*. 2019;14(1):145-56.
- ۱۵۸ |Ahmadi, ali P. The Effectiveness of Group Counseling Analytical Communication Analysis on Improving Interpersonal Relationships and Self-Efficacy of Male and Female Students of Payame Noor Buchan University. *Women and family studies*. 2017;10(37):7-24.
- ۱۵۹ Barati, pour A, Hamid, Miini, Babak, FARhani, et al. The effectiveness of assertiveness training in reducing abstract norms encouraging drug use among students. *Ibn Sina Journal of Clinical Medicine*. 2011;18(3):40-9.
- ۱۶۰ Omidvar S, Bakouie F, Amiri FN. Sexual function among married menopausal women in Amol (Iran). *Journal of mid-life health*. 2011;2(2):77.
- ۱۶۱ Burns N, Groves K. *Practice of nursing research : WB Saunders company Philadelphia, PA; 1997*.
- ۱۶۲ kaviyani h, liyaghatdar mj, Zamani be, Abedini s. Inverted Class Theoretical Framework : Drawing hints for inclusive learning. 2019;12.(۲۲)
- ۱۶۳ Bahreini Borujeni S, Ramazani K, Moghadasi Boroujeni F. Study of the effectiveness of three preventive methods from drug abuse (training life skills, representing poster and catalogue and showing film) on information

dissemination approach on changing Students' attitude towards drug abuse in the high schools. *Social Welfare Quarterly*. 2021;21(82):117-37.

.۱۶۴ Farahania S. Comparison of two educational methods with use of posters about chickenpox and prevention in primary schools Tehran : Thesis]. Tehran : Iran University of Medical Sciences; 1990.

.۱۶۵ Sh A. Comparisin of two educaional methods and self-learning wit nurse's knowledge in various wards of Iran University of Medical Sciences hospitala about nature of AIDS and nursing care : Thesis]. Tehran : Iran University of Medical Science; 1990.

.۱۶۶ Jahani Eftekhari M, Peyman N, Doosti H. The effect of educational intervention based on the self efficacy and health literacy theory on health promoting lifestyles among female health volunteers of Neyshabur, Iran. *Health and Development Journal*. 2018;6(4):302-13.

.۱۶۷ Ahmadi, nahal, baghban, iran, zade F, saadat m. Professional self-efficacy. *Psychotherapy News*. 2008;49(13):74-87.

.۱۶۸ Dinanvand, Ali, GOLZARI M. The effect of reverse teaching method on teachers' professional attitude and self-efficacy. *Education technology*. 2019;14(1):145-56.

.۱۶۹ Shalali b, Siahkamari r. Correlation of sexual knowledge and attitude with sexual function in female nurses. 2018;11.(۲)

.۱۷۰ Abiodun OA, Olu-Abiodun OO, Sotunsa JO, Oluwole FA. Impact of health education intervention on knowledge and perception of cervical cancer and cervical screening uptake among adult women in rural communities in Nigeria .*BMC public health*. 2014;14(1):1-9.

.۱۷۱ Jafari m, Adib y, Fathi azar e. The role of teaching population and family planning in the knowledge and attitude of female students of Tabriz University.

.۱۷۲ Azimi, Bagheri S, Mosavi, parvane, BAKhshande br, honarjoo. Investigating the problems of clinical education and providing solutions to improve its quality from the perspective of midwifery students. *Research in Medical Education*. 2016;8(4):43-51.

- .۱۷۳ Jahangiri Z, Shamsi M, Khorsandi M, Moradzade R. The Effect of Education Based on Theory of Planned Behavior in Promoting Nutrition-related Behaviors to Prevent Anemia in Pregnant Women. *Journal of Arak University of Medical Sciences*. 2020;23(6):872-87.
- .۱۷۴ Mashhood kermanchi f, Jalili z, Mahmoodi mz, mahmood. The effect of theory-based education on breast self-examination behavior in women referred to health centers in south of Tehran. 2017;2(3):75-84.
- .۱۷۵ Bauer D, Arnold J, Kremer K. Consumption-intention formation in education for sustainable development :An adapted model based on the theory of planned behavior. *Sustainability*. 2018;10(10):3455.
- .۱۷۶ Bagheryan s, Esmail zade e. The effect of human resource training on citizenship behavior (case study of Shahrekord medical staff). *Journal of New Research Approaches in Management and Accounting*. 2021;5(57):97-104.
- .۱۷۷ Sun H, Lo CT, Liang B, Wong YLB. The impact of entrepreneurial education on entrepreneurial intention of engineering students in Hong Kong. *Management Decision*. 2017.
- .۱۷۸ Mansori, Shahramian, Salehi, Hajar, kord, naele, et al. The effect of sexual health education based on health belief model and Pender health promotion on sexual performance of women with type 2 diabetes. *Diabetes Nursing Quarterly*. 2020;8(1):992-1001.
- .۱۷۹ Ahmadi Tabatabaei S, Taghdisi M, Nakheei N, Balali F. Effect of educational intervention based on the theory of planned behaviour on the physical activities of Kerman health center's staff (2008). *Journal of Babol University of Medical Sciences*. 2010;12(2):62-9.
- .۱۸۰ Fink L, Strassner C, Ploeger A. Exploring external factors affecting the intention-behavior gap when trying to adopt a sustainable diet : a think aloud study. *Frontiers in Nutrition*. 2021;8.
- .۱۸۱ Park SY. An analysis of the technology acceptance model in understanding university students' behavioral intention to use e-learning. *Journal of Educational Technology & Society*. 2009;12(3):150-62



KERMAN UNIVERSITY

OF MEDICAL SCIENCES

Razi Faculty of Nursing and Midwifery

In Partial Fulfillment of the Requirements for the Degree (M.Sc.)

Title

**Comparison of two methods of micro-education and Flipped classroom on the
conversation intention of midwifery students of Kerman University of Medical
Sciences for counseling sexual function in pregnancy based on the theory of planned
behavior 1399-1400**

By

Maryam Dehghanipour

Supervisor/s

Dr. masumeh ghazanfar pour

Advisor/s

Dr. atefe ahmadi

Thesis No : (...)

Date : (September -2021)

Abstract

Background and objectives :Physical, hormonal and cognitive changes in pregnancy, its possible effect on couples' sexual relations and lack of information and awareness of these changes can have irreversible effects on the quality of life of couples. Providing sexual counseling by the midwife as the most accessible person to provide care to pregnant women is influenced by the beliefs, values and attitudes of the midwife about the importance of this issue. Relying on the knowledge and skills acquired during their studies, midwives can be capable counselors in promoting all aspects of community health. Applying new teaching methods in universities can lead to the development of self-sufficient and creative graduates who are ready for health practices. The aim of this study is to compare teaching with two methods of micro-education and Flipped classroom on the intention of midwifery students in Kerman University of Medical Sciences to counsel sexual function in pregnancy based on the theory of planned behavior, 1399-1400

Methods : In this quasi-experimental study, 57 third and fourth year midwifery students of University of Medical Sciences were selected by census method and after Jiroft Kerman and completing a questionnaire and obtaining admission criteria, entered the study. Due to the possibility of exchanging files and information, according to purposeful sampling, students of each Jiroft) were divided into two groups and by university (34 people in Kerman and 23 people in

random allocation, Kerman students were in Flipped classroom group and Jiroft students were in the micro education group. The educational package based on the theory of planned behavior was presented to the two groups during 4 weekly sessions in two methods of micro-learning and Flipped classroom. After the sessions and completion of the post-test questionnaire, data were collected and analyzed using SPSS software.

Results : results showed that in the Flipped classroom group, the mean score of the same dimensions of the theory of planned behavior (attitude, abstract norms and perceived behavioral control and behavioral intention) after the intervention was significantly different. In the group of micro-education, the mean score of attitude and behavioral intention was significantly increased, but there was no significant difference in the dimensions of abstract norms and perceived behavioral control....

Also, the use of new educational methods Conclusion : According to the results of the study has a great effect on improving clinical skills; Therefore, it is suggested to use different teaching methods for clinical education in common student education programs and in-service staff.

Keywords : Teaching methods. New teaching methods. Flipped classroom. Micro-education.

Sexual counseling. Theory of planned behavior theory