LEVEL OF PHYSICAL ACTIVITY AND IT'S ASSOCIATED FACTORS AMONG PREGNANT WOMEN DURING PREGNANCY

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ABSTRACT

Background: Pregnancy is a normal physiologic event that is complicated by pathologic process, dangerous to health of mother and fetus. However, regular physical activity during pregnancy not only maintains maternal and fetal wellbeing also maintains physical fitness and derives varies health benefits. The objective of this study was to measure the level and factors contributing to physical activity among pregnant women during pregnancy.

Methods: This is a cross sectional study of normal pregnant women (age 18-35 years) receiving antenatal care (gestational age 12-35 weeks) in a primary health clinic in Kuantan, Pahang. Their socio-demographic characteristics were recorded, and two set of questionnaires were used; validated Malay version IPAQ (short-form) for assessing physical activity and DASS -21 Malay version for evaluating psychological symptoms. Chi-square test, Fishers exact test, Independent t-test and multiple logistic regression were applied using SPSS Version 25.0. Significant level was set at p value <0.05.

Results: Among 168 respondents, 24.4% had moderate level of physical activity, but the majority (76.0%) had low level physical activity. Likewise, about 78.6% were physically inactive and only 22.0% physically active during pregnancy. We have not found any factors significantly associated with physical activity level.

Conclusion: Majority of the pregnant women have low physical activity level, thus contributed to high prevalence of physical inactivity.

Keywords: physical activity level, prevalence, associated factors

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LEVEL OF PHYSICAL ACTIVITY AND IT'S ASSOCIATED

FACTORS AMONG PREGNANT WOMEN DURING PREGNANCY

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Introduction

- Pregnancy is a normal physiologic event.
- If it is complicated by pathologic process, it can be dangerous to health of mother and fetus,^{3,4}.
- Regular physical activity during pregnancy maintains maternal and fetal wellbeing, physical fitness and give rise to various health benefits, 2,3.
- However, many women reduce their physical activity levels during pregnancy,1.

Objectives

- To measure the level of physical activity among pregnant women in Kuantan, Pahang.
- To determine factors associated with physical activity among pregnant women in Kuantan, Pahang.

Method

- This is a cross sectional study of normal pregnant women (age 18-35 years) receiving antenatal care (gestational age 12-35 weeks) in a primary health clinic in Kuantan, Pahang.
- Their socio-demographic characteristics were recorded, and two set of questionnaires were used;
 - 1. Validated Malay version IPAQ (short-form) for assessing physical activity.
 - 2. DASS -21 Malay version for evaluating psychological symptoms.
- Chi-square test, Fishers exact test, Independent ttest and multiple logistic regression were applied using SPSS Version 25.0.
- Significant level was set at p value < 0.05

Discussion

- our findings is consistent with other studies, the level of physical activity was low during pregnancy and pregnant women tended to adopt sedentary behaviors,1,2,4.
- In contrast, factors such as age, education level, parity, gestational age income, were associated with physical activity during pregnancy, 1,4.

Conclusion

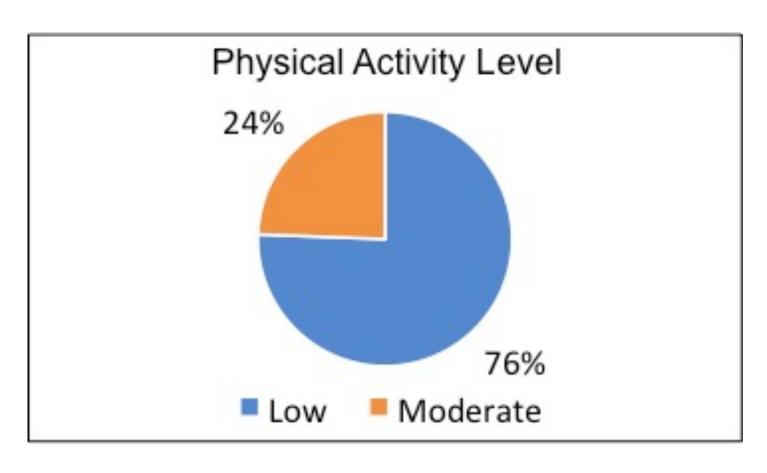
- Overall, the level of physical activity was lower and the majority of respondents (78.6%) were not physically active and only 22 % were active.
- Moreover, there is no significant association was found between factors and physical activity level of pregnant women.

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Results

Level of Physical Activity



Psychological status

Depressive symptoms



11.9%

Anxiety symptoms



29.8%

Stress symptoms



12.5%

Factors associated with physical activity

- Age
- Race
- Parity
- Gestational age
- Gravida
- Economic status
- Educational level
- Working status
- BMI

Were not associated with physical activity

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CERTIFICATE OF PARTICIPATION

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