Group A1.3



Faculty of Medicine, University of Kelaniya

Introduction

Results

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X²=1.298 DF=1 p=0.255 p > 0.05 There is no statistically significant association between physical activities and academic performance

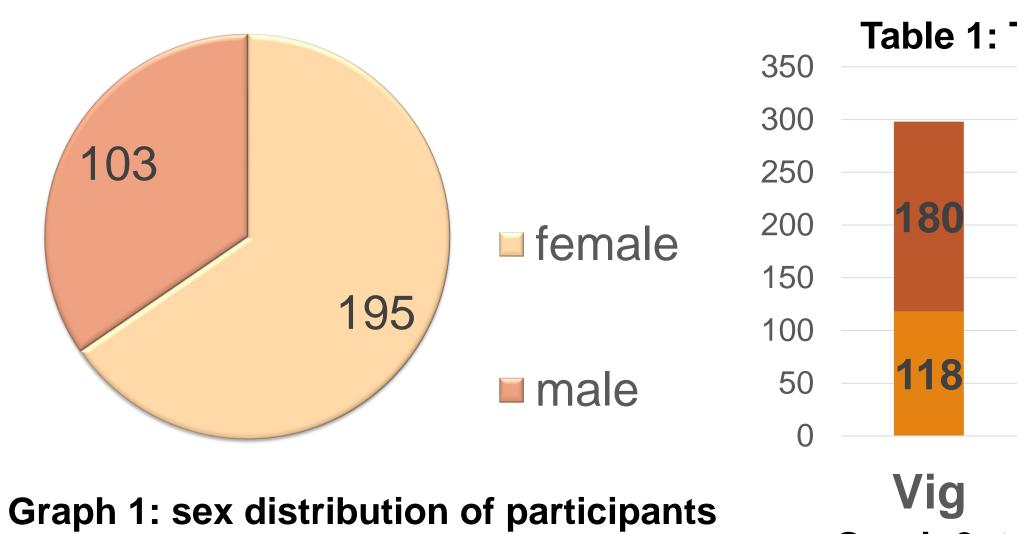
MBBS course is a time consuming process and it has heavy study work load to do. This leads to decreased in physical activities among the medical students.

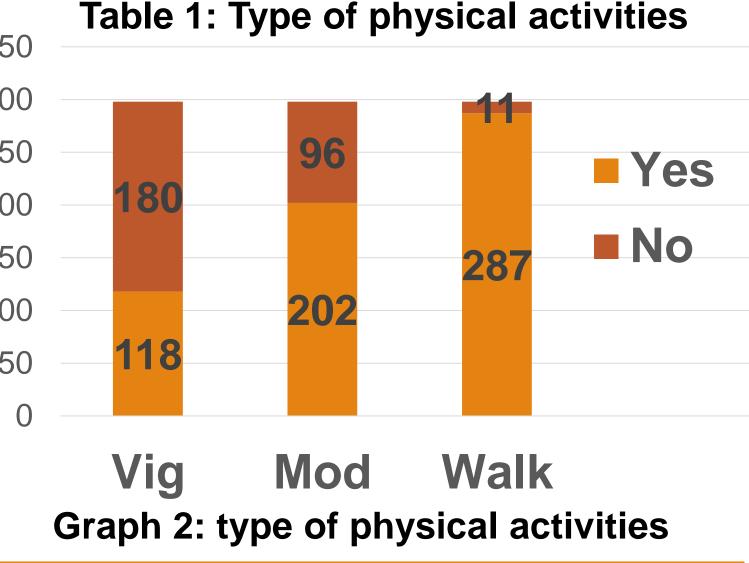
According to WHO criteria adult aged 18-64 should do at least 150 minutes of moderate or 75 minutes of vigorous intensity physical activity throughout the week or an equivalent combination. Many studies show that physical activities could aid educational and learning abilities and physical activities are associated with the selected advantages in cognitive function and given positive results.

Description of Study Participants	Type of physical activities
(N=298)	(N=298)

Gender distribution: - 103 (34.6%) Male Female - 195 (65.4%)

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Type of activity	Yes	No
Vigorous	118	180
Moderate	202	96
Walking	287	11





Level of physical activities (N=298)

Students with adequate physical activities -126 (42.3%) Students with inadequate physical activities -172 (57.7%)

Conclusion

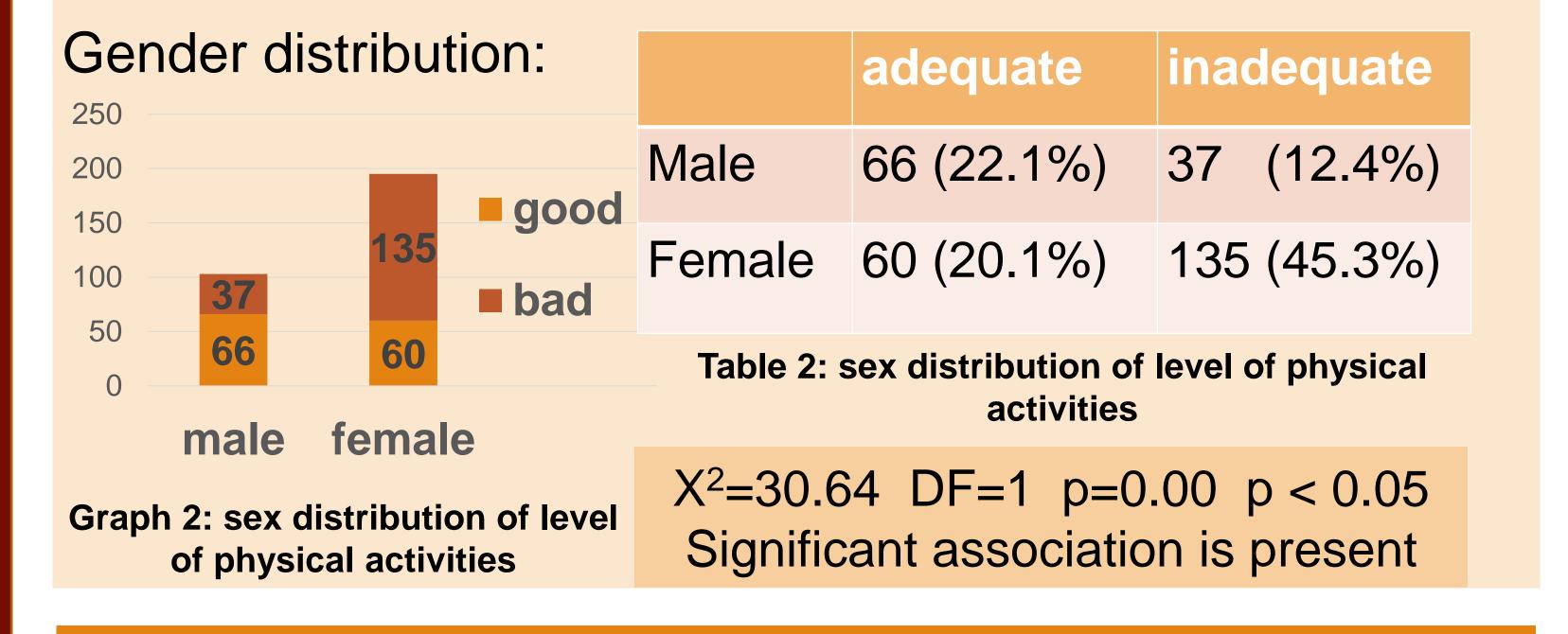
According to the study, majority of the participants are physically inactive. Compared to female students physical activity of the male students is high. Majority of the students are involving with walking. A significant association between gender and physical activity level can be seen while an association can not be seen between physical activity and academic performance.

Objectives

To determine level and type of physical activities and association between academic performance among medical undergraduates at the para clinical phase of the faculty of medicine University of Kelaniya.

Method

Study design: Cross-sectional study Study setting: Faculty of Medicine University of Kelaniya Study period: From 15th November 2019 to 15th December 2019 Study population: Students of 27th and 28th batches of faculty of Medicine University of Kelaniya. (170 + 165=335) Sample size: N=292 (Winpepi) Sample Technique: Sample size is less than our population. Then we take all the students of batch 27th and 28th .Therefore, no sample technique. **Data collection method**: Selfadministered questionnaire on physical activities (IPAQ) and academic performance **Data analysis**: Categorical data analysis (for both physical activity and academic performance) by using SPSS (Version 25) programming.



Level of academic performance (N= 298)

Students with adequate academic performance –200 (67.1%) Students with inadequate academic performance –98 (32.9%)					
Gender distribution:		adequate	inadequate		
250 200	Male	72 (24.2%)	31 (10.4%)		
	Female	128 (43%)	67 (22.5%)		

Recommendations

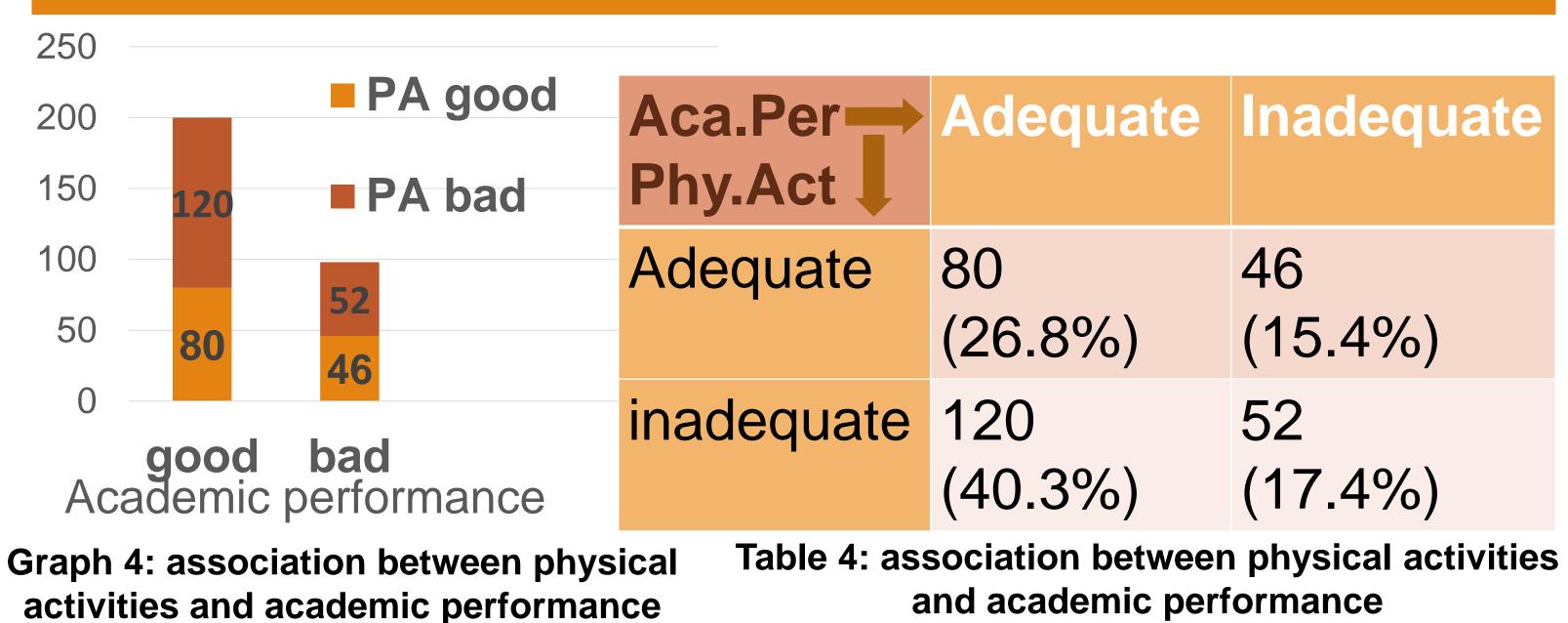
Female students should be encouraged to do more physical activities. Physical health related seminars and exercise programs will bring preferable results. After implementing these actions this study can be repeated to see the improvement.

References

1) Sciences" 25 (5): 88–102. Supervision, Association, and Curriculum Development Alexandria. n.d. No Title.

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 Table 3: sex distribution of level of Academic
performance X²=0.555 DF=1 p=0.456 p > 0.05 male female No significant association between Graph 3: sex distribution of level of academic performance gender and academic performance

Association between physical activities and academic performance (N= 298)



2) Q-en, C, and Surajudeen Abiola A. 2018. "The Relationship between Levels of Physical Activity and Academic Achievement among Medical and Health Sciences Students at Cyberjaya University College of Medical"

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