



A study to assess the knowledge regarding PCOS among students at Al Shifa College of paramedical sciences

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Abstract

The present study was aimed to assess the knowledge regarding PCOS among students at Al Shifa College of paramedical sciences Perinthalmanna, Kerala. The objectives of the study were to assess the knowledge regarding PCOS among students and find out the association between knowledge level regarding PCOS with their selected demographic variables. A descriptive research design was used to study 60 students from a selected College of paramedical sciences, selected by stratified sampling technique. The data was collected by using structured knowledge questionnaire on PCOS. The data collected was analyzed to achieve the objectives of the study and to test the research hypotheses. The results revealed that most of the subjects had average knowledge (71.7%), 3.3% had good knowledge whereas only 25 % had poor knowledge regarding PCOS. The range, mean, median and standard deviation of knowledge questionnaire were 17, 10.75, 11 and 3.44 respectively. Results showed that significant association was found between age, religion, type of family and the level of knowledge whereas no association between year of study, previous knowledge and the level of knowledge scores. The calculated χ^2 value for age is 5.473 with p value of 0.0193, religion is 6.746 with p value of 0.0094, type of family is 6.924 with a p value of 0.0085 and for year of study is 2.072 with a p value of 0.1500, previous knowledge is 2.106 with p value of 0.1467, at 0.05 level of significance.

The present study helped to identify the knowledge of paramedical students on PCOS. Repeated classes to the students will help to improve the knowledge on PCOS.

Keywords

Paramedical students, knowledge, PCOS

Statement of the Problem

A study to assess the knowledge regarding PCOS among students at Al Shifa College of paramedical sciences

Objectives of the Study

1. Determine the knowledge regarding PCOS among students and
2. Find out the association between knowledge level regarding PCOS with their selected demographic variables

Hypotheses

H1: There is a significant association of knowledge scores with selected demographic variables.

Setting of the Study

The study will be conducted at the Al Shifa College of Paramedical Sciences, Perinthalmanna.

Population

Population consists of 3rd year and 4th year paramedical students studying at Al Shifa College of Paramedical Sciences

Sample

The samples consist of 60 3rd year and 4th year B. Sc MLT students studying at Al Shifa College of Paramedical Sciences

Sampling Technique

Stratified sampling technique

Criteria for the Selection of the Samples

Inclusion Criteria

- Para medical students who are studying at Al Shifa College of Paramedical Sciences
- Students who are available during the data collection period.

Exclusion Criteria

- Students who were not willing to participate in the study.
- Students who are having PCOS

Data collection instruments

The tools used for the study were,

Section A: Demographic Proforma.

Section B: A structured knowledge questionnaire to assess the Knowledge of students regarding PCOS.

Data collection process

After getting permission from ethical committee, researcher taken consent from the subjects and collected data from the participants using the tool.

Results

Section A: Description of the Demographic Variable

Table 1: Frequency and Percentage Distribution of students on Demographic Variables

N=60

SI No	Demographic variables	Frequency	Percentage (%)
1	Age in years a) 18 yrs b) 19 yrs c) 20 yrs d) More than 20 yrs	24 20 9 7	40 33.3 15 11.7
2	Religion a) Hindu b) Muslim c) Christian d) Others	16 41 3 0	26.7 68.3 5 0
3	Type of family a) Nuclear b) Joint c) Extended	44 14 2	73.4 23.3 3.3
4	Year of study a) 3 rd year b) 4 th year	42 18	70 30
5	Do you have any previous knowledge a) Yes b) No	47 13	78.3 21.7
6	Sources of information a) Family, Friends b) Books, Journals, Internet c) Medical personnel d) Theory classes	37 9 2 12	61.7 15 3.3 20

Majority of the subjects (40%) were in the age group of 18 years.

Most of the subjects (68.3%) belonged to Muslim category

Majority of subjects (78.3%) had previous knowledge regarding PCOS

Section B: Knowledge of students regarding PCOS

Table 2: Frequency and Percentage Distribution of Knowledge Scores of students regarding PCOS

Level of Knowledge	Range of score	Frequency (f)	Percentage (%)
Good	17-25	2	3.3
Average	9-16	43	71.7
Poor	0-8	15	25

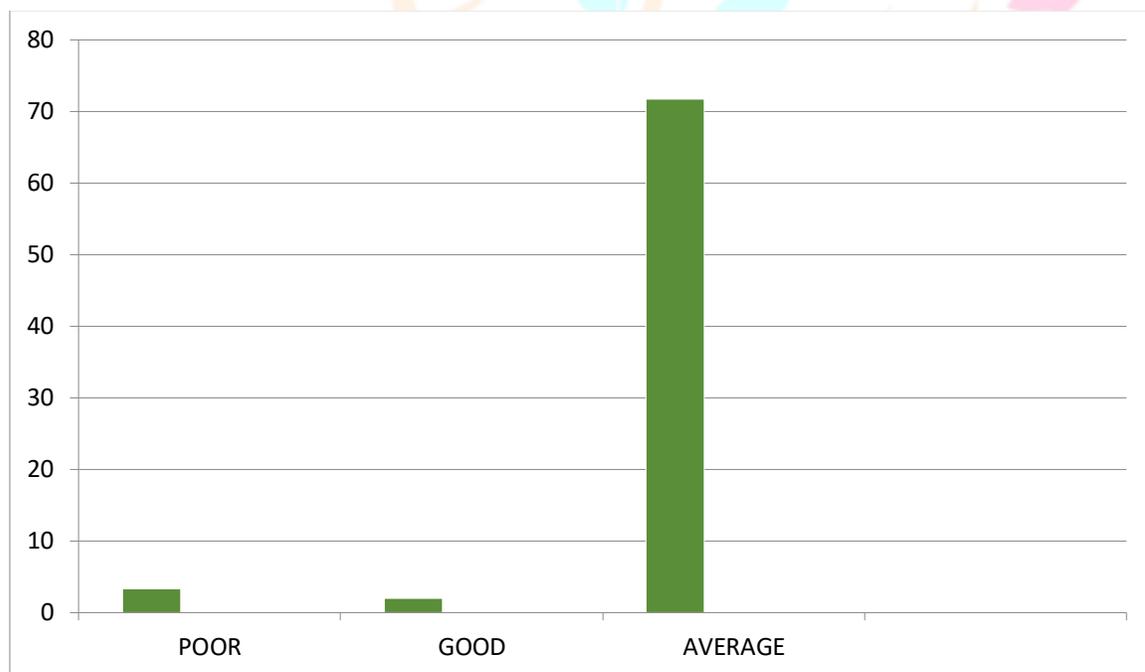


Figure 1: Bar Diagram showing the Percentage Distribution of students according to their Knowledge Scores

Data presented in the Table 2 and Figure 1 show that, most (71.7%) of students had average knowledge, 25% had good knowledge whereas lowest percentage (3.3%) of them had poor knowledge

Table 3: Range, Mean, Median, Standard Deviation and Mean Percentage of Knowledge Score of students

Range	Mean	Median	SD
17	10.75	11	3.44

Data in the Table 3 shows that the range of score is 17. The data also depicts that the mean and median of knowledge score are 10.75 and 11. And Standard Deviation is 3.44

Section C: Association of Knowledge Scores with selected Demographic Variables

Table 4: Chi-Square Test Showing Association of Level of Knowledge Scores with Selected Demographic Variables

Sl. No.	Demographic Variables	χ^2	Inference
1.	Age (in years)	5.473	Significant
2.	Religion	6.746	Significant
3.	Type of family	6.924	Significant
4.	Year of study	2.072	Not significant
5.	Previous knowledge	2.106	Not significant

The data in the Table 4 shows that, significant association was found between age, religion, type of family and the level of knowledge scores, whereas no significant association with year of study and previous knowledge. Hence the research hypothesis was accepted at 0.05 level of significance for age.