



## Paramedical students' knowledge about Thalassemia in Mazandaran University of Medical Science in 1394

Soheil Azizi <sup>1</sup>, Amir Shamshirian<sup>2</sup>, Mohammad Taha Ebrahimi <sup>2</sup>, Mahdi Ebrahimi <sup>3</sup>, Shaghayegh Hooshmand <sup>2</sup>, Seyed Fatemeh Seyed Esmaili <sup>2</sup>, Zahra Alirahimi<sup>2</sup>

1- Department of Medical Laboratory Sciences, Faculty of Paramedical, Mazandaran University of Medical Sciences, Sari, Iran

2- Department of Medical Laboratory Sciences, Faculty of Paramedical, Student Research Committee, Mazandaran University of Medical Sciences, Sari, Iran

3- Department of Environmental Health, Faculty of Health, Student Research Committee, Mazandaran University of Medical Sciences, Sari, Iran



**Background & Objective:** Thalassemia is the most common genetic disease in humans and is considered as a growing public health problem around the world. Thalassemia refers to a group of diseases caused by genetic defects that play role in the production of the normal hemoglobin chain. Thalassemia is an inherited disease transmitted to children from the parents with the disease gene. Community Knowledge, especially students' knowledge, play an important role in decreasing the prevalence and the incidence of thalassemia. Therefore, this study aimed to assess paramedical students' knowledge about the disease in Mazandaran University of Medical Sciences.

**Materials & Methods:** This study is a cross-sectional study on 220 students of Mazandaran University of Medical Sciences who were selected randomly. The collected information was obtained by questionnaire. Chi-square test was used to analyze the data. A level of 5% is considered significant in this test.

**Results:** In this study, 39% have low awareness, 41% have moderate, and 20% good knowledge of the disease. The results showed that girls are more aware than boys. The course also has a significant relationship with the awareness, so that people enrolled in clinical laboratory sciences had the most knowledge and the students in the field of Anesthesiology have the least knowledge.

**Conclusion:** Due to the fact that most participants did not have good knowledge about the disease, providing the necessary training for better understanding of the disease is recommended.

**Keywords:** Paramedical students, Mazandaran University of medical sciences, Thalassemia