

RESEARCH ARTICLE

Awareness on causes and management of cellulitis among students of the Institute of Molecular Biology and Biotechnology

Muhammad Imran Qadir, Tasmia Ashraf*

Department of Biotechnology, Institute of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan

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ABSTRACT

The main purpose of the present study was to check the awareness of students about cellulitis. Cellulitis is a bacterial skin infection in human. It can enter into underlying tissues and in bloodstream. It can affect the human immune system. It can cause serious damage if it is not treated. It can occur on any part of the skin. The questionnaire was prepared about the cellulitis. Different questions were asked in it. A total of 79 students participated in it. 93.5% of students know that it is a bacterial disease. 6.49% of students consider that it is not a bacterial disease.

Keywords: Cellulitis, A skin infection, Awareness

INTRODUCTION

Cellulitis is a disease in humans and is caused by *Staphylococcus* and *Streptococcus* bacteria. It is an infection of skin and can occur on any part of surface of the skin. This infection can penetrate into underlying tissues of skin and even it can penetrate into bloodstream. In this infection redness, inflammation, rash, and abscess formation occur on skin. Pain and fever can also be occurs. Whenever you get a cut or crack on your skin, then certain types of bacteria enter and cause infection. Cellulitis can affect the immune system too. It can also cause blood infection by enter into bloodstream. In this infection, first of all, a red area appears on skin that feels hot and painful. It can spread rapidly. Although infection can occur on any part of the body, mostly it affects the lower legs. If it is not treated, then it can cause serious damages. It can be cured by using antibiotics and antiseptic cream. Keep skin moisturized, cover the wound, keep the wound clean and wear appropriate clothes and foot-ware, these are the necessary measures to avoid cellulitis.^[1,2]

Objective, the main purpose of the study, was to evaluate the awareness about cellulitis among the students of Institute of Molecular Biology and Biotechnology Multan Pakistan.

MATERIALS AND METHODS

A questionnaire was prepared that contained different questions about the awareness of cellulitis. It contained the questions like; is cellulitis a viral, bacterial or metabolic disease? Is it a genetic disease? Is it a fungal disease? Ever you, your family, relatives, and friends have suffered from this disease? Did it transfer genetically or by blood transfusion? How can we treat it either by medicine or surgery? Any treatment is required for this disease or not? A total of 79 students take part in it. They were all students of Bahauddin Zakariya University Multan Pakistan.

Statistical analysis

It was performed by MS Excel.

RESULTS AND DISCUSSION

Percentage of answers given by students calculated separately in the Tables 1-4, respectively. 1.29% of students considered it a viral disease and 98.7% said that it is not a viral disease. 93.5% said that it is a bacterial disease. 3.90% said that it is a genetic disease. 90.9% said that it cannot be transferred from parents to offspring. 83.1% consider that it can be treated by medicine. 94.8% said that it cannot be treated by surgery. 15.58% said that there is no need of any treatment for this.

*Corresponding Author:

Tasmia Ashraf,

E-mail: tasmiaashraf55@gmail.com

Table 1: Questionnaire to evaluate awareness about etiology of cellulitis

Cellulitis is a	Yes (%)	No (%)
Viral disease	1.29	98.7
Bacterial disease	93.5	6.49
Fungal disease	1.29	98.7
Genetic disease	3.90	96.1
Metabolic disease	1.29	98.7

Table 2: Questionnaire to evaluate views about prevalence of cellulitis

Ever suffered from cellulitis	Yes (%)	No (%)
You	7.79	92.2
Your family member	3.90	96.1
Your relative	9.09	90.9
Your neighbor	29.82	70.1
Your friend	5.19	94.8

Table 3: Questionnaire to evaluate views about the transmission of cellulitis

Cellulitis is transmitted by	Yes (%)	No (%)
Contacts or blood transfusion	15.6	84.4
From parents to offspring	9.09	90.9

Table 4: Questionnaire to evaluate views about hope for cellulitis

Cellulitis may be treated by	Yes (%)	No (%)
Medicines	83.1	16.9
Surgery	5.19	94.8
No need for treatment	15.58	84.4

Questionnaire-based studies give important outcomes in the current searcher.^[3-10] McCreary *et al.* (2017) concluded that this is not a simple disease and it is misdiagnosed. It should be treated with antimicrobial therapy.^[11]

CONCLUSION

It was concluded from the above study that most of the students know that it is a bacterial infection not viral. Most of the students know that cellulitis is not a genetic disease and it cannot be transferred genetically. Few students had suffered from this disease.

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