

Bacterial causes isolated from cultures in patients with fever and neutropenia in patients admitted to the hematology department at Imam Khomeini Hospital in Ardabil in 2019

Abstract

Background: Febrile neutropenia is commonly screened in cancer patients undergoing treatment such as chemotherapy / radiotherapy. Considering that the epidemiology of diseases is always a guide for clinical decision making and this epidemiological pattern is different in different regions and on the other hand there is no research in this regard in the region due to the importance of this study to investigate fever and neutropenia in patients. Cancer was performed in Imam Khomeini Hospital in Ardabil in 2019.

Aim: To determine the bacterial causes isolated from cultures prepared in patients with fever and neutropenia in patients admitted to the hematology ward of Imam Khomeini Hospital in Ardabil during 2019.

Methods and material: The sampling method was counting. During that, all cancer patients over 13 years old who were admitted to the hematology and oncology ward of Imam Khomeini Hospital in 1398, who were hospitalized with a diagnosis of fever and neutropenia after chemotherapy and radiotherapy.

Results: The present study, at the time of approval and initiation, was prospective and during which blood and urine cultures of hospitalized patients with cancer and fever and neutropenia were to be examined and bacterial causes isolated from them. To be examined and analyzed. Unfortunately, at the specified time, only 2 patients met the inclusion criteria during the study period, and therefore we did not have a statistical review and analysis in this study, and only review and compare previous studies and discuss them in Chapter Five we will pay.

Conclusion: The main limitation of the present study was the lack of predicted patients during the study period. Therefore, we decided to review and compare different studies in the field of fever and neutropenia in cancer patients; Carry out

a comprehensive study in terms of epidemiology, mortality, pathophysiology, treatment and prevention.

Keywords: Febrile, neutropenia, bacterial culture