ID: 1830

**Congress:** The First International Congress of Medical Bacteriology

**Title:** Study of Bacterial infection in Patients with the diagnosis of malignant at the Shafa Hospital of Ahvaz

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**Abstract:** Study of Bacterial infection in Patients with the diagnosis of malignant at the Shafa Hospital of Ahvaz

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**Background:** One of the important complications in patients with the diagnosis of malignant are invasive Bacterial infections. The aim of this investigation was Bacterial infection in patients with the diagnosis of malignant, admitted to the Shafa Hospital, Ahvaz.

**Method:** In the present study, all patients with the diagnosis of malignant disease (leukemia, lymphoma, MDS, multiple myeloma, breast cancer, sarcoma) admitted to the Shafa Hospital (during 4 months) were tested for detection of bacterial infection by Blood culture, Urine culture, Stool culture. For isolating and identification of bacteria, differential and selective media were used, the statistical tests used.

**Results:** The age range of patients was 1-80 years, there were 63% male and 37% female, the bacteria isolated from Blood culture 23 cases, Stool culture 4 cases, Urine culture 27 cases and identified using conventional identification procedures. In total of isolated organisms from Blood culture; 17 coagulase negative Staphylococci, 6 Entrobacter, Stool culture; 3 E. Coli, 1 Entrobacter, Urine culture; 6 E. Coli, 9 coagulase negative Staphylococci, 8 Entrobacter, 2 Klebsiella, 2 pseudomonas.

**Conclusion:** The results of present study showed, the most common isolated bacteria were coagulase negative Staphylococci (33%) and Entrobacter (30%) in urine culture, the most common organism was coagulase negative Staphylococci (74%). The least common bacteria was Entrobacter (25%) in Stool culture, and Klebsiella, pseudomonas (7.4%) in urine culture.

**Key words:** Malignant, Coagulase Negative Staphylococci, Klebsiella, pseudomonas

**Presentation:** Poster