

ABSTRACT

THE DIFFERENCE OF BACTERIAL RESISTANCE PATTERN BETWEEN INTENSIVE CARE AND PAEDIATRIC INTENSIVE CARE UNIT IN ABDUL MOELOEK GENERAL HOSPITAL FROM JANUARI 2013-DECEMBER 2014

By

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Bacterial resistance is capability of bacteria to grow in antimicrobial condition that normally can kill or decrease its growth. Intensive Care Unit (ICU) has antimicrobial resistance rate several times higher than in general hospital setting. In Paediatric Intensive Care Unit (PICU) almost every patient was given antimicrobial as empirical therapy. The aim of this study was to determine the difference of bacterial resistance pattern between ICU and PICU.

The method was analytic observational with cross-sectional approach. Population in this study were all medical records in ICU and PICU with bacterial infection disease. There were 65 samples taken from all medical records in ICU and PICU with bacterial infection disease from January 2013 to December 2014 with total sampling technique.

The result of the study shows that the percentage of resistance were 67,4% in ICU and 32,6% in PICU. It can be concluded that there was significant difference between bacterial resistance pattern in Intensive Care Unit and Paediatric Intensive Care Unit ($p= 0,003$) at Abdul Moeloek General Hospital from Januari 2013 to December 2014.

Key words: bacterial resistance, antimicrobial, bacteria, infection, intensive care unit, paediatric intensive care unit