

Trend of susceptibility profile of *Acinetobacter baumannii* to antibiotics in Jakarta, Indonesia

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Acinetobacter are widely distributed especially in hospital environment. Acinetobacter poses very little risk to healthy human, on the contrary the microbes cause problems typically in Intensive Care Unit (ICU) and Healthcare setting especially those housing very ill patients. Among all Acinetobacter, *A. baumannii* accounts about 80% of reported infections. *A. baumannii* strains are often resistant to many antimicrobial drugs giving difficulty in therapy.

We analyzed the susceptibility pattern of all *A. baumannii* isolated from all kind of specimens that collected from hospitalized patients in ICU in one private hospital in West Jakarta and one public hospital in Central Jakarta, Indonesia, in 2010-2012. Data analysis were using WHONET 5.6 and CLSI breakpoint criteria were applied.

A total of 328 *A. baumannii* isolates from ICU patients of both hospitals showed highly resistance to all antibiotic tested except for Tigecycline and Amikacin. *A. baumannii* susceptible to Tigecycline were 82% (n=23) in 2010 followed by 50% (n=58) and 34% (n=50) in 2011 and 2012, while for amikacin i.e. 87%, 75%, 50% for the same isolates, came from private hospital. In public hospital the Tigecycline susceptibility pattern were i.e: 80% (n=26), 82% (n=72), 86% (n=99) and for amikacin i.e. 40%, 51%, 25%, in consecutive year, respectively.

Those profiles showed Tigecycline and amikacin being less susceptible to *A. baumannii* isolates by year, but Tigecycline in public hospital showed consistent in susceptibility.

A study to identify the resistance genes of *A. baumannii* in advance was considered to conduct.

Biography

Enty Tjoa has completed her M.D from Fac.of Med Catholic University of Atmajaya, and Clinical Microbiologist Specialized at the age of 31 years at University of Indonesia. She is interesting in Healthcare Associated Infections, MDRO such as Acinetobacter.

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