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Increase aminoglycosides in multi-drug resistance *A. baumannii* in important province in Iran

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Acinetobacter baumannii is one of the important causes of nosocomial infection in health care systems. *A. baumannii* has been shown to acquire antibiotic resistance elements quickly. Recently, this Gram negative bacilli has shown resistance to the most of available antibiotics followed by emergence of Multi Drug Resistance (MDR) and Extensive Drug Resistance (XDR) strains. This has partly been due to extensive use of broad spectrum antibiotics especially in burned patients. Aminoglycoside used with beta lactam antibiotics commonly. So, resistance to aminoglycoside can lead to appearance MDR strains of *A. baumannii*. MDR strains of *A. baumannii* can make serious problem and increase mortality and morbidity especially in immunosuppress patients like hospitalized one. This study reports to increase rate of aminoglycosides enzymes in MDR *A. baumannii* and also antibiotic resistance patterns of these global threatening bacteria in important province in Iran.

Biography

Fateme Fallah is a Professor of Medical Microbiology in Shahid Beheshti University of Medical Sciences, Tehran, Iran. Her research interest is in Medical Bacteriology. Her works are on *Mycobacterium tuberculosis*.

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