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Extreme antibiotic resistant *Acinetobacter baumannii* related pneumonia in a regional hospital

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Background: *A. baumannii* emerging as an important pathogen which has received a great interest during the last two decades. Furthermore, such pathogens are challenging to treat because of extensive antimicrobial drug resistance.

Aim: Purpose of this study is to report our experience with five cases of *A. baumannii* related pneumonia infections, seen in a regional hospital in Karaj, Iran.

Method: Retrospective analysis of eight cases of *Acinetobacter baumannii* related pneumonia infections presenting a regional hospital in Karaj, Iran during 2014 were done.

Results: All the cases were admitted to the emergency department with loss of consciousness and then transferred to Intensive Care Unit. Sputum/pulmonary secretions culture revealed *A. baumannii*. During the treatment, various antibiotics like meropenem, vancomycin, colistin and amikacin was prescribed but all the eight cases died because of *Acinetobacter baumannii* related pneumonia infections.

Conclusion: Our cases bring forth the burden of *Acinetobacter baumannii* related pneumonia which has been associated with significant mortality and as illustrated in our cases infection with *A. baumannii* can be rapidly fatal, thus stressing the importance of reporting *A. baumannii* isolates in cases of pneumonia. Physicians should be aware of the remarkable virulence and drug resistance.

Biography

Enayatollah Kalantar is a Faculty Member of School of Medicine, currently is the Research Director of Alborz University of Medical Sciences, Editor In Chief for *International Journal of Enteric pathogens*. He has been awarded as the Best Researcher several times.

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