

عنوان مقاله:

Terbinafine Resistance of dermatophyte Detection of OXA Beta Lactamases among Clinical Isolates Acinetobacter baumannii in educational hospitals of Sari

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Introduction and Objectives: Acinetobacter baumannii is a non-motile Gram-negative bacterial pathogen with the history of vast resistant to antibiotics. The spread of carbapenem-resistant Acinetobacter baumannii is a global concern. The aim of this study was to determine the possibility of existence of OXAs genes among clinical isolates of Acinetobacter baumannii in educational hospitals of Sari. **Materials and Methods:** A total of 100 isolates were identified as A. baumannii by common biochemical and molecular tests. The susceptibility to different antibiotics was assessed with Kirby-Bauer disk diffusion method. Phenotypic Detection of MBLs was performed with CDT test and PCR assay was also performed for detection of blaOXA-23-like, blaOXA-51-like genes. **Results:** All isolates of A. baumannii showed high-level of resistance to all antibiotics except for colistin. The blaOXA-51-like and blaOXA-23-like genes were detected in (100%) and (86.6%) of Acinetobacter baumannii isolates, respectively. **Conclusion:** Due to the results, treatment of A. baumannii isolates by carbapenems is ineffective and Tigecycline or colistin could be used for .treatment. Other studies for detection of other mechanisms for Carbapenem resistance are recommended

کلمات کلیدی:

Acinetobacter baumannii, Carbapenemase, PCR

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