

The Resistance of *Acinetobacter baumannii* at Different Healthcare Institutions in Saudi Arabia

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SUMMARY. This descriptive study was conducted to determine the antibiotic susceptibility pattern of *Acinetobacter baumannii* at different hospitals in three cities in Saudi Arabia and included reviewing the bacterial resistance results during a period of six months in these hospitals. *Acinetobacter baumannii* was resistant to most of the tested antibiotics. Fortunately, the resistance of *Acinetobacter baumannii* to colistin (the last resort for treatment of multidrug-resistant *A. baumannii*) was 0%. It is important to determine the pattern of antibiotic the resistance before treatment to help the physicians to select the appropriate antibiotic and to prevent the resistance of this pathogen in societies.

RESUMEN. Este estudio descriptivo se realizó para determinar el patrón de susceptibilidad antibiótica de *Acinetobacter baumannii* en diferentes hospitales de tres ciudades de Arabia Saudita e incluyó la revisión de los resultados de resistencia bacteriana durante un período de seis meses en estos hospitales. *Acinetobacter baumannii* fue resistente a la mayoría de los antibióticos probados. Afortunadamente, la resistencia de *A. baumannii* a la colistina (el último recurso para el tratamiento de *Acinetobacter baumannii* multiresistente) fue del 0%. Es importante determinar el patrón de resistencia al antibiótico antes del tratamiento para ayudar a los médicos a seleccionar el antibiótico apropiado y prevenir la resistencia de este patógeno en las sociedades.

KEY WORDS: *Acinetobacter Baumannii*, antibiotic, resistance, susceptibility.

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