

الآية

قال تعالى:

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قُلْ لَوْ كَانَ الْبِرُّ حُرْمَةً لَكَلِمَةٍ لَبَيِّنٌ لَنَا الْبِرُّ وَالْجُنْحُ قَبْلَ أَنْ تَنْفَدَ كُلِّ حِمَاتٍ

بِئْسَ مَا يَحْكُمُونَ ﴿١٠٩﴾

صدق الله العظيم

سورة الكهف الآية (109)

Dedication

***To my beloved and blessed parent who did
everything for me.....***

***To my dear all members of my family who spend
more time encourage me.....***

***To our supervisor who stands with us step by
step***

***To our colleague and our greatly lovely friends
for their kindness encouragement.....***

Soaad

Sahar

Duaa

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First of all we would like to thank **Allah** for providing us the strength and ambition to fulfill this study.

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Our poor patient to everyone who provided us with information, ideas and support.

Abstract

This study had been carried out in Khartoum state during period February 2014 to April 2014. The study designed to in *vitro* evaluation of some group of antibiotics on *pseudomonas aeruginosa*, which were isolated from urine, wound swab, bed sore, sputum, blood and meningeal swab.

Sixty clinical isolates were collected from Khartoum Teaching, Educational Hospital, Omdurman Military and Royal Care hospitals. The isolated bacteria were confirmed by biochemical tests and special media and then the sensitivity testing was done. *Pseudomonas aeruginosa* isolates were recovered from wound swab (48.3%), urine (36.7%), bed sore swab (6.7%), blood (5%), sputum (1.7%) and meningeal swab (1.7%).

The resistant rate of *pseudomonas aeruginosa* to Imipenem, Meropenem, Colistin, Streptomycin, Amikacin, Cefotaxime were (0%, 26.7%, 10%, 41.7%, 6.7%, 95%) respectively.

ملخص الاطروحة

تم تنفيذ هذه الدراسة في الفترة ما بين فبراير وابريل 2014 , تناولت الدراسة التقييم الخارجي لبعض المضادات الحيوية على الزائفة الزنجارية المعزولة من (البول , الجروح , القروح السريرية, البلغم , الدم وغشاء المخ).

تم جمع 60 وسط غذائي لزائفة الزانجارية من المستشفيات التالية (مستشفى الخرطوم , مستشفى سوبا , مستشفى السلاح الطبي ومستشفى رويال كير). تم التأكد من هذه البكتيريا بإجراء المزيد من الاختبارات الخاصة بها ومن ثم إجراء اختبارات الحساسية لها.

مثلت الزائفة الزنجارية المعزولة من العينات التالية الجروح (48.3%), البول(36.7%), القروح السريرية(6.7%), الدم (5%) والبلغم(1.7%) والمسحة الدماغية(1.7%).

النتائج اشارات الى معدل المقاومة للامبينيم, الميروبينيم , الكوليستين , الستربتومايسين , الاميكاسين والسيفوتاكسيم (0%, 26.7%, 10%, 41.7%, 6.7%, 95%) على التوالي.

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