الآية

قال تعالى :

وَلَن تَرْضَىٰ عَنكَ الْيَهُودُ وَلَا النَّصَارَىٰ حَتَّىٰ تَتَّبِعَ مِلَّتَهُمْ ۗ قُلْ إِنَّ هُدَى اللَّهِ هُوَ الْهُدَىٰ ۗ وَلَئِنِ

اتَّبَعْتَ أَهْوَاءَهُم بَعْدَ الَّذِي جَاءَكَ مِنَ الْعِلْمِ ۙ مَا لَكَ مِنَ اللَّهِ مِن وَلِيٍّ وَلَا نَصِيرٍ

صدق الله العظيم

سورة البقرة (120)

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Dedication

To the candle which burns to enlighting life …
My Mother

To the whom I live for making his dream become true …
My Father

To special person who inspired and give me the meaning of being
My ……

To those who made it possible ……
My Teachers

To whom encouraged me …….

My brothers and friends

Abstract

The present study was carried out to evaluate the microbiological laboratories performance in private sectors in term of processing urine and swab samples for isolation, identification the bacteria and availability of requirements for susceptibility test. The study had done through two phases, before intervention phases where the current situation of these laboratories was reported, intervention course where the study group was instructed to select of media, proper system of identification and necessary items for susceptibility test. The intervention did not involve control group, the study group involved seven laboratories and control group involved four laboratories. The result of pre-intervention phase showed that both groups applied proper type of media in case of urine samples while in swab samples only 1(14%) and 1(25%) of study group and control group applied right media, entirely study population did not applied identification scheme. The study group and control group in pre-intervention phase did not had internal quality control for susceptibility test and applied rough method to measure the zone of inhibition, 2(29%) of study group and 1(25%) of control group did not had maccfarland reagent.The result after intervention phase of study group revealed (100%) response to primary protocol of urine and swab samples isolation and identification bacteria scheme while no change had occurred in control group. In susceptibility test the study group showed (88%) comply to test requirements where as no improvement had occurred in control group.

ملخص الاطروحة

الدراسه الحاليه نفذت لتقييم اداء مختبرات الاحياء الدقيقه فى القطاعات الخاصه فى التعبير عن معالجه عينات البول والمسحه والتعرف على البكتيريا وعزلها وتوفير المتطلبات لاختبار الحساسيه لها وتم عمل هزه الدراسه خلال مرحلتين وهما مرحله قبل التدخل حيث تم فيها تسجيل هزه المحتبرات بحالتها الحاليه اما مرحله التدخل تتم فى المجموعه الدراسيه والتى تضم سبع مختبرات والتى تم فيها احتيار الوسط الزراعى المثالى للتعرف والمتطلبات الضروريه لعمل اختبار الحساسيه امالمجموعه القياسيه والتى تضم اربع مختبرات لاتتم فيها مرحله التدخل.

اوضحت النتائج قبل مرحله التدخل ان كلتا المجموعتين عملت على اختيار الوسط الزراعى المثالى فى حاله عينات البول ,بينما (14%) من المجموعه الدراسيه و (25%) من المجموعه القياسيه عمات على اختيار الوسط الزراعى المثالى فى حاله عينات المسحه واوضحت النتائج قبل التدخل ايضا ان كلتا المجموعتين الدراسيه والقياسيه لم يكن لديها ضبط جوده داخلى لاختبار الحساسيه واستعملت طرق تقريبيه لقياس منطقه التثبيط , (29%) من المجموعه الدراسيه و (25%) من المجموعه القياسيه لديها محلول ماكفارلاند القياسي .

وبعد التدخل اوضحت النتائج ان المجموعه الدراسيه استجابت للبرتوكول الاولى للتعرف وعزل البكتيريا من عينات البول والمسحه بينما لاتغير حدث ف المجموعه القياسيه .

اما فى اختبار الحساسيه اظهرت المجموعه الدراسيه تحسنا بلغ (88%) بينما لاتحسن يزكر في المجموعه القياسيه .

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