

Dedication

To who give me love, kindness
and power to survive

My Father, mother, brothers, wife
and my sisters.....

To those who encouraged me
My wife.....

To those who make the sun in
my pathway
My teachers

Acknowledgement

Thanks for a god for helping me and giving me a great family

Thanks for **Prof. Babiker Ahmed**

Mohamed for all support and tolerance which he showed with me ...

Thanks for my colleagues for helping me.

Thanks for my friends for help and support me

Thanks for Khartoum laboratory directorate staff for all the help they offered.

Abstract

This is a cross-sectional descriptive and analytical study, conducted at Khartoum laboratory directorate during the period from June 2010 to September 2010. The aim of this study is to confirm three types of rapid tests and ELISA in diagnosis of HIV in HIV patient voluntary counseling center who attended Khartoum state.

Hundred samples were taken. Seventy one (71) samples from positive volunteers and twenty nine (29) were negative. The samples were selected and tested first by using a rapid test and then confirmed by using ELISA. No different seen between three type of rapid test and ELISA In the result of test, P. value = 0.000 which reflex the sensitivity of ELISA and specificity of three rapid test.

The results indicate that no difference seen between rapid test and ELISA confirmatory.

مستخلص الأطروحة

هذه دراسة مقطعية وصفية وتحليلية ، أجريت في مختبر ادارة المعامل بولاية الخرطوم خلال الفترة من يونيو 2010 الى سبتمبر 2010. الهدف من هذه الدراسة هو تأكيد الثلاثة اختبارات السريعة باستخدام اختبار ELISA في تشخيص فيروس نقص المناعة المكتسبة بمراكز الفحص الطبي ووعي بولاية الخرطوم .

تم أخذ عينات من مائة متطوع منها (71) عينات إيجابية و (29) سلبية. حددت أولاً باستخدام الاختبارات السريعة ثم أكدت باستخدام ELISA لا يوجد اختلاف في النتائج بين ثلاثة أنواع من الاختبارات السريعة واختبار ELISA في القيمة المعنوية = 0.000 هذه القيمة تعكس حساسية ELISA , وخصوصية الثلاثة اختبارات السريعة. وتشير النتائج إلى أنه لا يوجد فرق بين نتائج الاختبارات السريعة وفحص ELISA.

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