

الآية



صدق الله العظيم

(سورة القلم الآية 1)

Dedication

To the candle which burn to light my life

My mother

To the source of my supercilious

My father

My wife,

Sons

And

Friends

Acknowledgment

Firstly I thank ALMIGHTY ALLAH for giving me health and patience to complete this work.

Special thanks to Dr. ELTAYIB HASSAN AHMAD For his guidance, insight, encouragement and valuable supervision throughout this study.

I am grateful to the many friends and colleagues who generously contributed their time and effort to help me to made this study accurate and useful.

ABSTRACT

The aim of this study was to determine the hepatitis B virus infection among vaccinated children of age 1-4 years in Al Hasseissa Pediatric hospital.

A total of 90 blood specimens were collected from children suspected having hepatitis B virus infection during the period from April to June 2012. Serological analyses of blood were performed to detect hepatitis B surface antigen using ICT and ELISA. The specimens were firstly checked by screening (ICT) and then by ELISA. The result showed that 87 (97%) of vaccinated children were seronegative by ELISA for HBV infection and 3(3.3%) were seropositive for HBV where as the screening test using ICT did not show reaction .

الخلاصة

الهدف من هذه الدراسة تشخيص التهاب الكبد الوبائي ب لدى الأطفال المحصنين بلقاح التهاب الكبد الوبائي (ب) في الفئة العمرية 1-4 سنوات بمستشفى الحماة للصحة العامة. أجريت الدراسة في الفترة من أبريل حتى يونيو 2012. تم جمع 90 عينة دم من الأطفال المحتمل إصابتهم بالمرض وتم تشخيصهم بطريقتين، أولاً اختبار الكروماتوغرافيا الورقي وثانياً باختبار الإنزيمات المناعية المرتبطة. كشفت الدراسة بأن 87 (97%) من الأطفال غير مصابين بالتهاب الكبد الوبائي ب و 3 (3.3%) مصابين بالمرض وذلك باستخدام طريقة الإنزيمات المناعية المرتبطة بينما طريقة الكروماتوغرافيا الورقي لم تظهر أي نتيجة إيجابية للمرض.

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