



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية
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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

٥٠٢٠١

A STUDY OF THE VERTICAL TRANSMISSION OF HEPATITIS C INFECTION IN AN URBAN AREA OF EGYPT

Thesis Submitted for Fulfillment of
Ph.D in Childhood Studies

By

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2000



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ
أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سورة البقرة الآية ٣٢

Dedication



To My Family Especially My Father, Mother and My Sisters.

To My Dear Husband.

To My Beloved Son Amr.

To Whoever Helped Getting This Work Done.

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A Study of the Vertical Transmission of Hepatitis C

Virus in an Urban Area of Egypt

By: Amal Ibrahim Mohamed El-Shafie

Abstract

HCV is highly prevalent in Egypt. This study aims at addressing the question of mother to infant transmission of HCV. This study was a prospective case – control study done on 425 healthy pregnant ladies in labour whose age range from (17-46 years) who were attending the gynecology and obstetric hospital Ain Shams University and Nasr City Health Insurance Hospital.

Sera from 425 health mothers were collected at delivery and tested for HCV-antibodies by 2nd-generation ELISA and positive reactions were confirmed by RIBA.2, HCV-RNA for 40 HCV-Ab +ve and 66 HCV-Ab -ve mothers.

Qualitative by RT-PCR, quantitative by Taq-Man-PCR, Genotype by sequence analysis. Also, sera were obtained from 25 babies of HCV-RNA +ve mothers and (12 babies) of HCV – RNA -ve mothers at birth and for 21 of these babies at 6 months and 12 month they are all tested for HCV-Ab and HCV-RNA at birth, 6m. and 12m. Out of 425 mothers 44 ladies were HCV-Ab +ve (10.4%), 38/40 (95%) of HCV – Ab +ve ladies had detectable HCV – RNA, 31/35 (88.57%) had genotype 4a.

HCV-Ab was positive in at birth 42/44 (95.4%) at 6 month 10/21 (47.6%), at 12m 12/21 (57.1%).

HCV-RNA was detected in at birth 4/25 (16%), at 6m. 5/21 (23.8%), at 12m. 6/21 (28.6%).

HCV-Ab and HCV-RNA were -ve at birth, 6m. 12m. for all babies of HCV-RNA -ve mothers.

Maternal age, parity, mode of delivery, history of blood transfusion and viral load as well as infant's sex, birth weight, circumcision and type of feeding when taken singly had no significant effect on transmission. Thus there is high rate of mothers to infant transmission of HCV in Egypt.

Key words:

Hepatitis C virus RIBA 2 PCR HCV RNA Quantification Genotype.