



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل

GENETIC SCREENING FOR G6PD MEDITERRANEAN MUTATION IN SOME EGYPTIAN CHILDREN WITH G6PD DEFICIENCY

Thesis

*Submitted in partial fulfillment in Master Degree in
Clinical and Chemical Pathology*

By

Hala Mohammed El-Nabeel El-Sayed

M.B. , B.Ch.

Supervised by

PROF. DR. SAMIA RIZK

Professor of Clinical and Chemical Pathology

Faculty of Medicine

Cairo University

DR. MONA AZIZ

Lecturer of Clinical and Chemical Pathology

Faculty of Medicine

Cairo University

DR. TAREK MOHAMMED KOTB

Lecturer of Pediatric

Faculty of Medicine

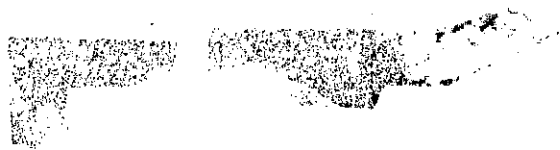
Cairo University

Faculty of Medicine

Cairo University

2000

Bv 014



100

100

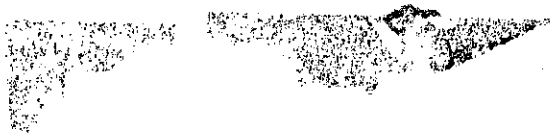
1

1

1



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



100

99



To :

MY FAMILY





ACKNOWLEDGMENT

I would like to express my sincere appreciation and deep gratitude to:

Prof. Dr. Samia Hassan Rizk

For her patience and continuous encouragement throughout this work. Really, I feel thankful for her unlimited help and valuable advice.

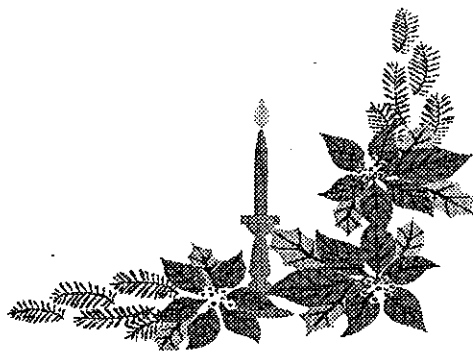
Also, I'm profoundly grateful to:

Dr. Mona Aziz

&

Dr. Tarek Mohammed Kotb

Who helped me to the farthest extent with valuable guidance and sincere suggestions.





ABSTRACT

Glucose-6-phosphate dehydrogenase deficiency, the most common human enzymopathy, is characterized by a wide clinical, biochemical and molecular heterogeneity. This study was conducted on a group of 21 Egyptian pediatric G6PD deficient patients. Quantitative assay of G6PD enzyme and estimation of its electrophoretic mobility was performed prior to molecular analysis. The frequency of the G6PD Mediterranean mutation at nucleotide 563^{C→T} among the studied group was investigated. Exons 6 and 7 of the G6PD gene were amplified using PCR reaction followed by digestion of the amplified fragment using the Mbo II restriction enzyme. The 563^{C→T} mutation was found in only 28.6% (6/21) of studied cases. G6PD variants present in Egypt, thus require further molecular characterization through analysis of the whole G6PD coding sequence.

Key Words :

G6PD - haemolytic anaemia - favism
