

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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بالرسالة صفحات لم ترد بالإصل

Physiological and Molecular Study of Autosomal Dominant Neurodegenerative Diseases: Huntington's disease and Spinocerebellar Ataxias in Egyptian Patients

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Presented by

Nahla Nagah El-Din Ibrahim

4700 CP

Thesis Submitted
To
Faculty of Science

In Partial Fulfillment for Degree of Master of Science (Comparative Physiology)

> Zoology Department Faculty of Science Cairo University (2010)



Physiological and Molecular Study of Autosomal Dominant Neurodegenerative Diseases: Huntington's disease and Spinocerebellar Ataxias in Egyptian Patients

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APPROVAL SHEET FOR SUMISSION

Title of M.Sc. thesis: "Physiological and Molecular Study of Autosomal Dominant Neurodegenerative Diseases: Huntington's disease and Spinocerebellar Ataxias in Egyptian Patients"

Name of Candidate: Nahla Nagah El-Din Ibrahim

This thesis has been approved for submission by the supervisors:

1- Prof. Dr. Said M. Rawi

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2- Prof. Dr. Alice K. Abdel Aleem

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3- Dr. Nermeen A. Kishk

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ABSTRACT

Student Name: Nahla Nagah El Din Ibrahim

Title of the thesis: Physiological and Molecular Study of Autosomal Dominant Neurodegenerative Diseases: Huntington's disease and Spinocerebellar Ataxias in Egyptian Patients

Degree: Master (Comparative Physiology)

Huntington's disease (HD) and spinocerebellar ataxias are autosomal dominant neurodegenerative diseases that elicit several pathological symptoms including movement abnormalities, cognitive and behavioral impairments. It was revealed that all genes associated with these genetic disorders contain CAG repeats in their coding region whose expansions are the major cause of disease progression. In this study it was found that three families (33%) were shown to be positive for HD, another two families (22%) were positive for SCA2 and one family (11%) was positive for SCA1. The remaining three families (33%) were negative for expansions in all tested genes.

Keywords:

Huntington's Disease, Autosomal Dominant Spinocerebellar Ataxia, Polymerase Chain Reaction

Superviosors:

1- Prof. Dr. Said M. Rawi

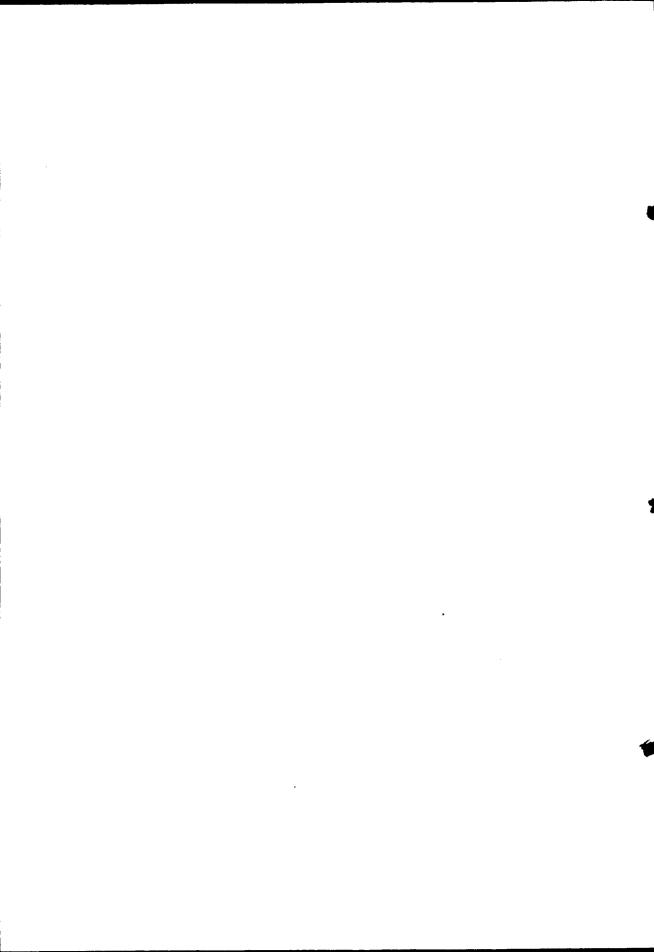
2- Prof. Dr. Alice K. Abdel Aleem

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I would like to express my deepest appreciation to **Dr. Nermeen A. Kishk** Assistant professor of Neurology, Neurology Department, El-Kasr El-Ani, Faculty of Medicine, Cairo University, for her kind supervision and contentious encouragement and for providing valuable clinical information and discussion.

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Last I wish I had offered some help to the patients' families through providing them with the correct and accurate diagnosis