# Evaluation of Central and Peripheral Neuro- Conductivity in Children with IDDM

**A Thesis Submitted for the Fulfillment of the Ph.D. Degree in Childhood Study**


**By**

**OMAYMA EL-SAYED ABDEL-FATTAH HASHEM**

M.B., B.Ch., M.Sc. in Pediatrics


**Under Supervision of**


**PROF. DR. SAADIA MOHAMED ALI BAHADER**

Professor of Psychology

Institute of Postgraduate Childhood Study

Ain Shams University

**PROF. DR. MONA ABD EL-KADER SALEM**

Professor of Pediatrics

Faculty of Medicine

Ain Shams University

**DR. MOUSTAFA MOHAMED EL-NASHAAR**

*Assistant* Professor of E.N.T.

Institute of Postgraduate Childhood Study

Ain Shams University

**DR. MAHMOUD HEMIDA EL-RAKAWY**

*Lecturer* of Neuropsychatry

Faculty of Medcine

Ain Shams University



**Institute of Postgraduate Childhood Study**

**Ain Shams University**

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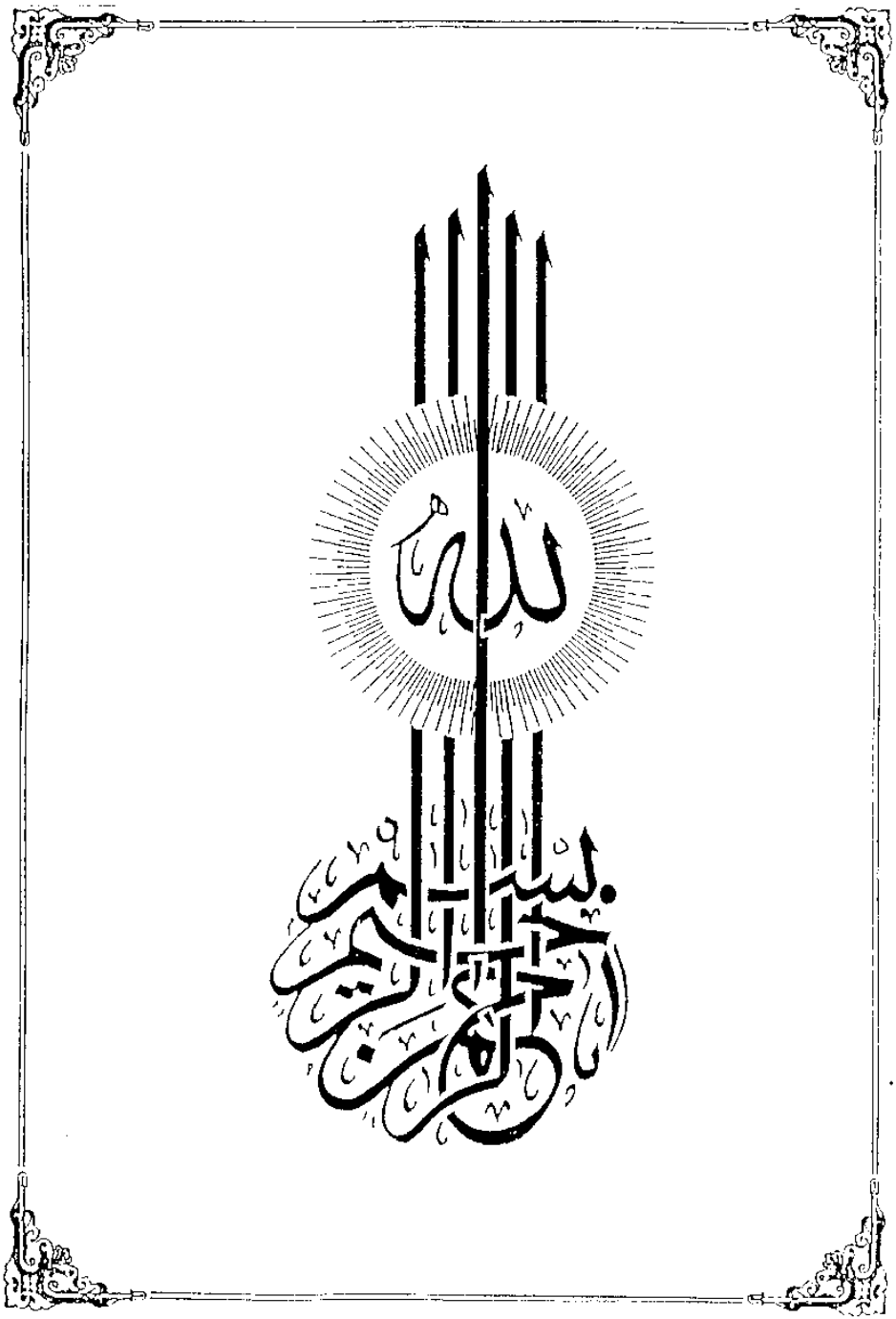

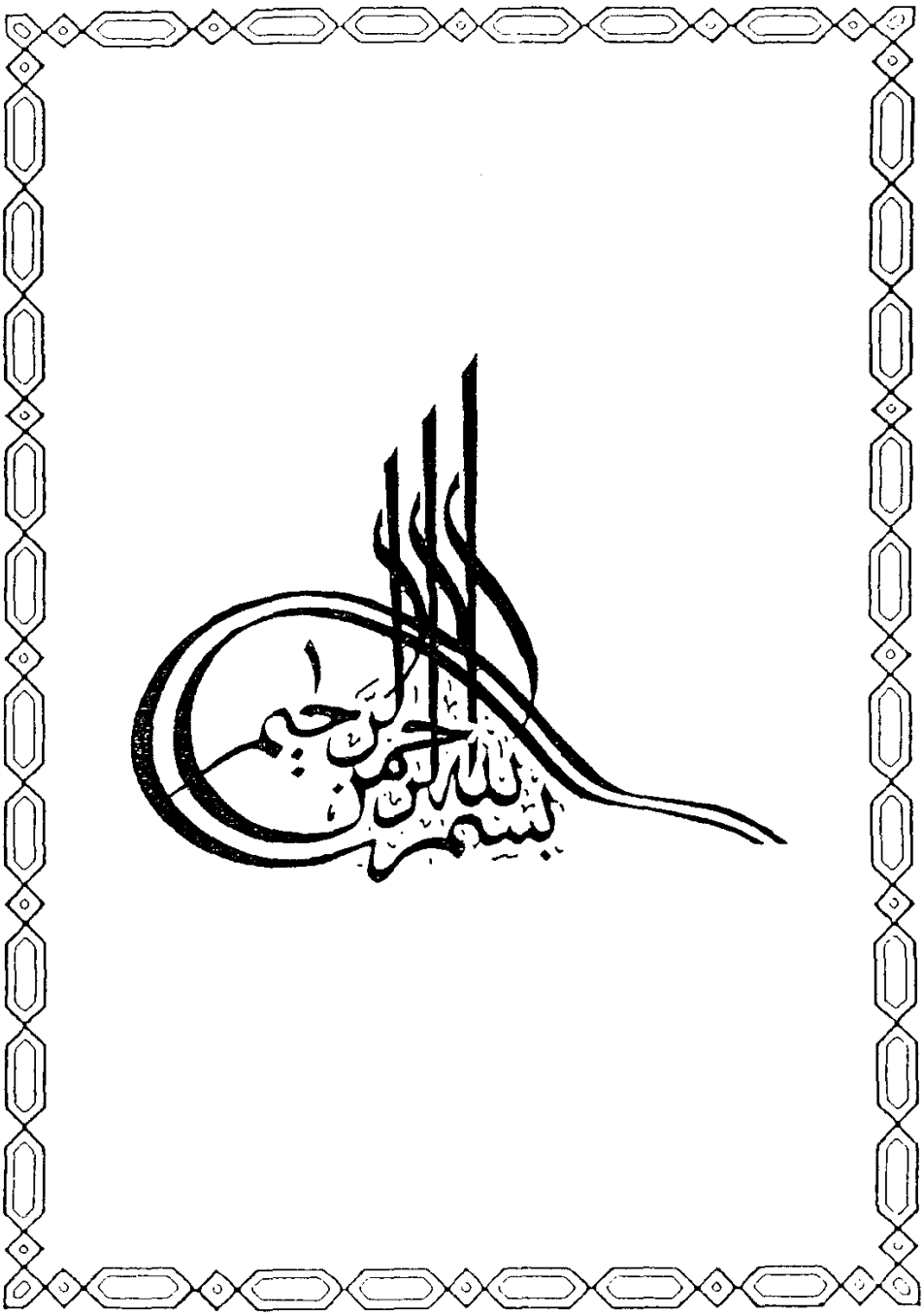

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# Abstract

This study was performed on 32 insulin dependent diabetic children. It also included 10 healthy children served as a control group .

- All individuals were subjected to thorough clinical examination. They were investigated for serum blood glucose, glycosylated hemoglobin, serum creatinine and serum BUN levels. They were also subjected to estimation of distal latencies of the median and ulnar nerves bilaterally as well as brainstem auditory evoked potential recording.

It was concluded that diabetic neuropathy is not a rare complication of diabetes in children and that the affection of peripheral nervous system is influenced by the degree of glycemic control and duration of the disease. Diabetic subjects can also suffer from central nervous system affection that does not seem to be related to glucose balance or duration of the disease.



***Keywords:*** - Insulin dependent diabetes mellitus.

- Central and peripheral diabetic neuropathy.

- Brain stem auditory evoked potential.

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