GHRELIN LEVEL IN CHILDREN AND ADOLESCENTS WITH TYPE 1 DIABETES MELLITUS

Thesis

Submitted for Partial Fulfillment of Master Degree in Pediatrics

By Sanaa Ahmed Hamza M.B. BCh. – 2002

South Valley University

Under Supervision of

Dr. Randa Mahmoud Asaad Sayed Matter

Assistant Professor of Pediatrics Faculty of Medicine – Ain Shams University

Dr. Samar Mohamed Farid

Assistant Professor of Pediatrics Faculty of Medicine – Ain Shams University

Prof. Dr. Manal Mohamed Abdel Aziz

Professor of Clinical Pathology Faculty of Medicine – Ain Shams University

> Faculty of Medicine Ain Shams University 2009

مستوى مادة الجرلين في الأطفال و المراهقين المصابين بالنوع الأول من مرض السكر

رس_الة

مقدمة من الطبيب/ ثناء أحمد حمزه محمد بكالوريوس الطب و الجراحة-2002 جامعة جنوب الوادي

توطئة للحصول على درجة الماجستير في طب الأطفال

تحت اشراف

أم د/ راندا محمود أسعد مطر أستاذ مساعد طب الأطفال

اسناد مساعد طب الأطفال كلية الطب- جامعة عين شمس

أمد/ سمر محمد فرید

أستاذ مساعد طب الأطفال كلية الطب- جامعة عين شمس

أ.د/ منال محمد عبد العزيز

أستاذ الباثولوجيا الاكلينيكية كلية الطب- جامعة عين شمس

كلية الطب - جامعة عين شمس 2009

Acknowledgement

First and foremost, I thank Allah for his great care and support in every step in our life.

Words cannot express my sincere gratitude and appreciation to Assist. Prof./ Randa Mahmoud Asaad Sayed Matter, Assistant Professor of Pediatrics -Faculty of Medicine - Ain Shams University. I had the honor to work under her supervision. I appreciate her generous guidance, valuable opinions that enriched this work so much and precious time she afforded me throughout the study.

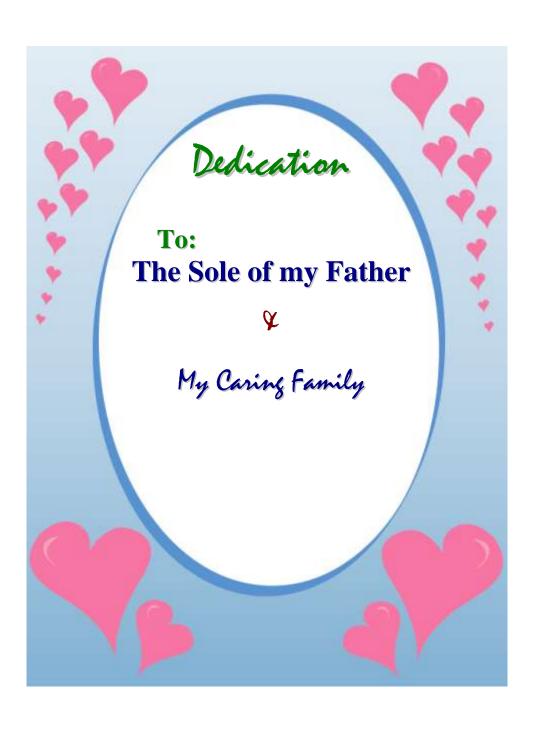
No words can repay or express my thanks and gratitude to **Assist. Prof./ Samar Mohamed Farid,** Assistant Professor of Pediatrics-Faculty of Medicine - Ain Shams University for her great efforts, kind co-operations and continuous help to put this work in the present form. I hope her every success in her life and work.

Special thanks are extended to **Prof./ Manal Mohamed Abdel Aziz,** Professor of Clinical
Pathology-Faculty of Medicine - Ain Shams University
for her great help, close supervision and meticulous
laboratory work.

Last but not least all my thanks to the children who participated in this study wishing them all the best.

Sanaa Ahmed Hamza







Introduction and Aim of work



Review of Literature



Diabetes Mellitus



Ghrelin



Ghrelin and Diabetes



Subjects and Methods



Results



Discussion