Acknowledgement

First and foremost, thanks to GOD.

I would like to express may sincerest gratitude and appreciation to **PROFESSOR DR. MOHAMED ALY EL-HENDY** Professor of Clinical and Chemical Pathology, Benha Faculty of Medicine for his valuable and very precious advises, and generous help throughout this work that contributed a lot in its finishing.

I am greatly indebted to *PROFESSOR DR. NIVEEN AHMED* ABD EL-HAFEEZ Professor of Clinical and Chemical Pathology, Benha Faculty of Medicine for her great help, encouragement and support. I would like to thank her for offering a lot of her time, and clinical experience and I owe her what is beyond expression and no words of thanks or gratitude are sufficient.

My profound thanks and appreciation to **PROFESSOR DR**. **MAGDA ABD-EL-AZIZ** Professor of Clinical and Chemical Pathology,
Benha Faculty of Medicine for her guidance, encouragement, help and valuable advice at every stage of this work.

I would like also, to express may thanks and great appreciation to **PROFESSOR DR. MAHMOUD EL-MENYAWY** Professor of Pediatric, Zagazig University, for his kind support and help throughout the work.

I am particularly indebted and grateful to **PROFESSOR DR**. **LAYLA EL-SAYED EL-MAHROUKY** Assistant Professor of Clinical and Chemical Pathology, Benha Faculty of Medicine for her meticulous care, kindness and her invaluable supervision on this study.