

Sudan University of Science and Technology
College Of Graduate Studies

Relationship of Serum Levels of Magnesium and Urate to
Creatinine and Duration of Disease in Sudanese Patients with
Chronic Renal Failure

العلاقة بين مستويات الماغنيزيوم واليورات فى مصل الدم مع
الكرياتينين و مدة المرض عند السودانين المصابين بمرض
الفشل الكلوى المزمن

A thesis submitted in partial fulfillment for M.Sc. in Clinical Chemistry

By:

Ekram Mohammed Ahmed Omer

B.Sc.Chemical Pathology, University of Science and Technology
2004

Qualifying for M.Sc, Institute of Endemic Diseases,
University of Khartoum, 2006

Supervisor:

Dr. Badar Eldien Hassan Elabid

MB BS) U of k), MD Clinical Pathology (Clinical Chemistry)
Associate Professor of Pathology
University of Science and Technology

June (2009)

بسم الله الرحمن الرحيم

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْحَكِيمُ ﴿٣٢﴾

صدق الله العظيم

(البقرة الآية 32)

CHAPTER ONE

CHAPTER TWO

CHAPTER THREE

CHAPTER FOUR

CHAPTER FIVE