

بسم الله الرحمن الرحيم

**Sudan University of Science and Technology**

**College of Graduate Studies**

**Studies on Norovirus amongst Asymptomatic  
Food Handlers and Patients with  
Gastroenteritis in Khartoum State**

**دراسات على نورو فيروس لدى مناولي الطعام الذين  
لا تظهر عليهم الأعراض والمرضى بالتهاب المعدة  
والاماء في ولاية الخرطوم**

**A dissertation submitted in partial fulfillment for  
the requirements of MSc in Medical Laboratory  
Science (Microbiology)**

By:

**Walaa Izzeldean Abdelrazig Mustafa**

**Bachelor (honor) in Medical Laboratory Science**

**The National Ribat University )2011(**

**Supervisor:**

**Prof. Humodi Ahmed Saeed**

**Professor of Microbiology**

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