بسم الله الرحمن الرحيم

Sudan University of Science and Technology

College of Graduate Studies

Cytological Changes Detected in Urine among Patients of Pelvic Malignancies Receiving Radiotherapy

الأنماط خليوية المكتشفة في بول مرضي سرطانات الحوض أثناء العلاج بالأشعة

By:

Ibrahim Bakhit Yousif Elemam

B. Sc (Honours degree) in Histopathology & Haematolog, University of Shendi 2003

Qualifying for M.Sc University of Khartoum 2007

Supervisor:

Dr. Babikir Ishag Mohamed

CONSULTANT PATHOLOGIST

HEAD DEPARTMENT OF HISTOPATHOLOGY (RICK)

A thesis submitted in partial fulfillment of the requirements for Master Degree in Medical Laboratory Science, Histopathology and cytology.