

بسم الله الرحمن الرحيم

Sudan University of Science & Technology

College of graduate studies



Measurement of normal brainstem in Sudanese using MRI

قياس جذع الدماغ عند السودانيين باستخدام الرنين المغناطيسي

A thesis submitted in partial fulfillment of the requirement of the
M.Sc degree in diagnostic radiologic technology

By

Anas Elrashid Abdalla Ali

Supervisor:

Dr. Caroline Edward

Associate Professor

2013