

SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

COLLEGE OF GRADUATE STUDIES

**ASSESSMENT OF RADIATION DOSE IN ORTHOPEDIC
INTERVENTIONAL PROCEDURES**

تقييم الجرعات الإشعاعية في فحوصات العظام بالأشعة التداخلية

*Thesis submitted in fulfillment of the requirements for the PhD degree in Medical
Physics*

By

Hamid Osman Hamid

M.Sc in Medical Radiation Physics

Supervisor

Professor Dr. Adam Khatir Sam

Sudan Atomic Energy Commission

Co-Supervisor

Dr. Abdelmoneim Adam Mohamed

Associate Pofessor

Sudan University of Science and Technology

August 2012