

الجامعة السودانية للعلوم والتكنولوجيا

Sudan University of Science & Technology  
College of Graduate Studies

**Bacterial Nosocomial Infection in  
Patients with Different Tumors  
Hospitalized in Radiation &  
Isotopes Centre Khartoum**

By

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A thesis Submitted in Partial Fulfillment of the  
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Microbiology

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## *Dedication*

I would like to dedicate this  
thesis to my friends, colleagues

And

To the cancer control  
programme members

At Radiation & Isotope Centre  
Khartoum.

# ***CHAPTER ONE***

## ***INTRODUCTION & JUSTIFICATION***

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## ***Preface***

This work was carried out at the Radiations & Isotopes Centre Khartoum (RICK), Khartoum state, Federal Ministry of Health, under supervision and guidance of Dr. Humodi Ahmed Saeed, Dean, College of Medical Laboratory Science, Sudan University of Science and Technology (SUST).