Value of C.T. and MRI in Malignant Sinonasal Cavity Tumors

Essay
Submitted for Partial Fulfillment of Master Degree
In Radiodiagnosis

BY

Gilan Abd El Aziz Ahmed

M.B.,B.CH. Faculty of Medicine Ain Shams University

Under the supervision of

Dr. Hana Hamdy Nassef

Assistant Professor of Radiodiagnosis
Faculty of Medicine
Ain Shams University

Dr. Sahar Mohamed El Fiky

Lecturer of Radiodiagnosis Faculty of Medicine Ain Shams University

Faculty of Medicine Ain Shams University 1999 1/10/1- Je Curios de de la seconda de la sec



بسم الله الرحمن الرحيم

"قالوا سبحانك لا علم لنا إلا

ما علمتنا إنك أنت العليم

الحكيم"

صدق الله العظيم سورة البقرة آية ٣٢



DEDICATION

To My Parents,

My Husband,

Ŀ

To My Son



ACKNOWLEDGMENT

First and foremost, I thank ALLAH who gave us the gift of knowledge and understanding.

I would like to express my sincere gratitude and appreciation to Prof. Dr. Hana Hamdy Nassef, Assistant Grofessor of Radiodiagnosis, Faculty of Medicine, Ain Shams University, for her generous supervision, keen interest and precious time she offered me throughout this study. I consider myself very fortunate being worked under her supervision.

I wish also to express my deep gratitude to Dr. Sahar Mohamed El Fiky, Lecturer of Radiodiagnosis, Faculty of Medicine, Ain Shams University, for her continuous support, valuable remarks and for offering me much of her time and effort throughout this study.

Finally I would like to convey my warmest gratitude to my family and colleagues for their encouragement and unlimited support throughout my work.



LIST OF CONTENTS

Introduction	1
Aim of the work	3
Anatomy of the sinonasal cavity by C.T. & MRI	<u>5</u>
Technique of examination of sinonasal cavity malignancies by C.T. & MRI	33
Pathology of sinonasal cavity malignancies	39
Radiological findings of malignant sinonasal cavity by C.T. and M.R.I. and illustrative cases	<u>65</u>
Discussion	115
Summary and conclusion	129
References	133
Arabic summary	

iii



LIST OF TABLES

Table No	Comment	Page
Table 1	Staging of maxillary antral and ethmoid sinus tumors	71
Table 2	Comparison between both modalities (CT & MRI)	79

LIST OF ABBREVIATIONS

CT Computed tomography

MRI Magnetic resonance imaging

PNS Parnasla sinuses

