

بسم الله الرحمن الرحيم



-Call 1600-2

COERCE CORRECTO





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



CORRECT CORRECTOR



جامعة عين شمس التمثية الالكتاءني والمكاوفيلم

التوثيق الإلكتروني والميكروفيلم قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



COEFFEC CARBURATOR





بعض الوثائق

الأصلية تالفة



COLEGO COLEGORIO





بالرسالة صفحات

لم ترد بالأصل



COEFECT CARGINATION

Role of MR Imaging in Assessment of Cerebro-Vascular Stroke

BIENJY

Thesis
Submitted for Partial Fulfillment of Master Degree in
Radiodiagnosis

By

Mohammed Shawky Abdallah M.B.; B.Ch.

Supervised by

PROF. DR./El Sayed El Mekkawy El Sayed

Professor of Radiodiagnosis

Faculty of Medicine

Menoufiya University

DR./ Khalid Esmat Allam

Khalid Allan

Moh H

Assistant Professor of Radiodiagnosis
Faculty of Medicine
Ain Shams University

DR./ Mohammed Abd El Aziz Maaly

Lecturer of Radiodiagnosis

Faculty of Medicine Menoufiya University

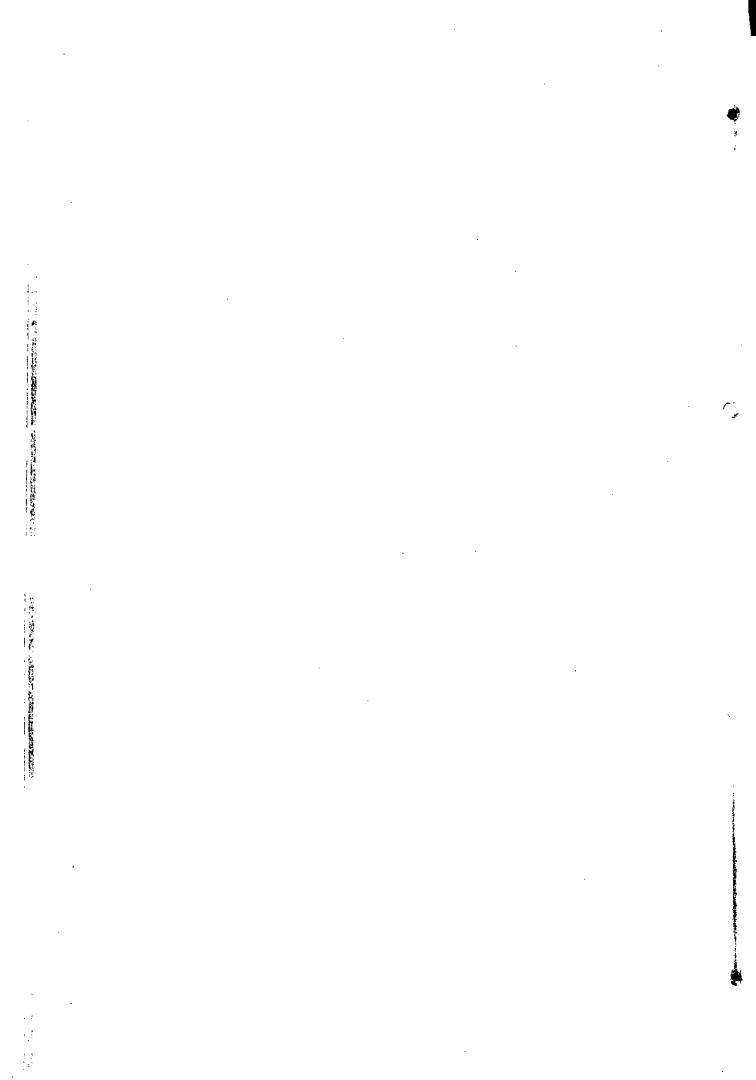
Faculty of Medicine Menoufiya University

2004

÷ . ·



صدى الله العظيم البقرة ٣٢



Acknowledgement

Praise to Allah, the Master of the world, most Gracious most merciful...

I Wish to present plentiful thanks to professor $\mathcal{D}r/\mathcal{El}$ Sayed \mathcal{EL} Mekkawy \mathcal{EL} Sayed, Professor of Radiodiagnosis Faculty of medicine, Menoufiya University, who Spared no effort in paving the way through surpassing many problems thrown infront of this project, I am especially indebted to his valuable scientific guidance.

Great thanks to *Professor Dr/ Ahmed Haleem*, professor of Radiodiagnosis, faculty of medicine, Menoufiya University. I am greatly indebted for his valuable guidance and his efforts to open the channel with Ain Shams university to allow the performance of this work.

My sincere gratitude & appreciation are also extending to $\mathcal{Dr./}$ Khalid Esmat Allam Assistant professor of Radiodiagnosis, faculty of Medicine, Ain Shams University for his educational supervision.

I would like to express my great thanks & sincere gratitude to $\mathcal{D}r/\mathcal{D}$ Mohammed Abd EL Aziz Maaly lecturer of Radiodiagnosis, Faculty of medicine, Menoufiya University, who had been kind enough to spare no effort & no time to supervise, to teach and to give willingly and lavishly from his knowledge.

Also I wish to thank all the staff members of radiodiagnosis department Faculty of Medicine, Menoufiya University for their unlimited encouragement and cooperation.

Lastly I would like to express my deep gratitude to all Ain Shams Specialized Hospital MR unit staff, technicians & nurses for their great help & generous cooperation .I am also indebted to my patients.

The state of the s 一次の 一人をはいて、一般の大大は日本の

To My Family

			~
			· .
•			
		·	

Table of Contents

	Subjects	Page
0	Introduction & Aim of The Work	1
0	Review of Literature	
	- Anatomy.	2
	- Clinical Aspects of Acute Ischemic Stroke.	20
	- Ischemic brain infarction; risk factors & etiology.	23
	- Pathophysiology of acute cerebral ischemia.	27
	- Cross sectional imaging techniques.	45
0	Patients & Method	67
Ó	Results	75
0	Illustrative Cases	82
0	Discussion	109
0	Summary & Conclusion	115
0	References	117
0	Arabic Summary	

....

.

.