

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

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





بالرسالة صفحات
لم ترد بالأصل





بعض الوثائق الأصلية تالفة



Clonidine Premedication in Anesthetic Practice

Thesis Submitted for Partial Fulfillment
of M.D. Degree in Anesthesiology

BY

Ezz El-Din Shaker Turkey Atoia

M.B.B.Ch., M.Sc., Anesthesia, Ain Shams University

617.967
E . sh

Supervised By



Prof. Dr. Ahmed Gamal Eissa

Professor of Anesthesia and Intensive Care

Faculty of Medicine - Ain Shams University

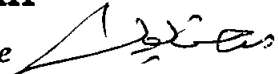
65647



Prof. Dr. Anisa Khamis Azmi

Professor of Anesthesia and Intensive Care

Faculty of Medicine - Ain Shams University



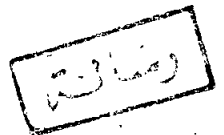
Prof. Dr. Ahmed El-Shawarby

Professor of Anesthesia and Intensive Care

Faculty of Medicine - Ain Shams University



Faculty of Medicine
Ain Shams University
*** 2000 ***



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا سبحانك لا علم لنا

إلا ما علمتنا إنك أنت

العليم الحكيم

صدق الله العظيم



Acknowledgment

Thanks **God** who allowed and helped me to accomplish this work.

I would like to express my sincere appreciation and deep gratitude to **Prof. Dr. Ahmed Gamal Eissa**, Professor of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University, for his helpful supervision and valuable instructions through this work.

My special thanks and appreciation for **Prof. Dr. Anisa Khamis Azmi**, Professor of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University, for her kind supervision, encouragement, and moral support.

My great thanks and deepest gratitude are due to **Assistant Prof. Dr. Ahmed El-Shawarby**, Assistant Professor of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University for his great cooperation and valuable advice throughout the completion of this work.

Ezz El-Din Shaker

List of Contents

	PAGE
Introduction	1 - 2
Review of Literature	3
Chapter 1: Autonomic Nervous System Physiology	3 - 18
Chapter 2: Physiologic Responses Mediated by α_2 -Adrenoceptors.	19 - 29
Chapter 3: Clinical Uses of α_2 Agonists in Anesthetic Practice	30 - 40
Chapter 4: Clinical Uses of α_2 Agonists in Non-Anesthetic Practice	41 - 46
Chapter 5: Pharmacology of α_2 Adrenergic Drugs	47 - 50
Chapter 6: Preoperative Medication	51 - 60
Chapter 7: Postoperative Shivering	61
Aim of the Work	66
Patients and Methods	67 - 70
Results	71 - 99
Discussion	100 - 111
Conclusion	112
Summary	113 - 116
References	117 - 144
Arabic Summary	1 - 4



List of Tables

No.	Table	Page
Table (1):	Classification of α_2 -adrenergic receptors.	10
Table (2):	Physiologic responses mediated by α_2 -adrenoceptors.	29
Table (3):		59
Table (4):	Patients' demographic data expressed as mean $\pm$ SD.	67
Table (5):	Sedation score in the 3 studied groups.	72
Table (6):	Comparison between the three groups as regard the sedation score.	73
Table (7):	The sleeping dose of thiopentone recorded in the 3 groups.	75
Table (8):	Comparison between the 3 studied groups as regard the sleeping dose of thiopentone.	75
Table (9):	Serum cortisol levels in the control and intraoperative samples in the 3 groups in $\mu\text{g/dL}$.	77
Table (10):	Comparison between serum cortisol level in the control samples of the three groups.	77
Table (11):	Comparison between serum cortisol levels in the control and intraoperative samples in each group.	78
Table (12):	Comparison between serum cortisol levels in the intraoperative samples in the three groups.	79
Table (13):	Mean arterial blood pressure values in the three groups in mmHg.	81
Table (14):	Comparison between baseline MABP values in the three studied groups.	82

No.	Table	Page
Table (15):	Comparison between MABP values on arrival to the induction room in the three groups.	83
Table (16):	Comparison between MABP values after intubation in the three groups.	84
Table (17):	Comparison between MABP values after skin incision in the three groups.	85
Table (18):	Comparison between the 3 groups as regard MABP immediately after recovery.	86
Table (19):	Comparison between MABP values in the three groups 1 hour after recovery.	87
Table (20):	Heart rate values expressed as mean $\pm$ SD in different groups.	89
Table (21):	Comparison between baseline heart rate values in different groups.	90
Table (22):	Comparison between heart rate values in different groups on arrival to the induction room.	91
Table (23):	Comparison of heart rate values in different groups after intubation.	92
Table (24):	Comparison between heart rate values in the three groups after skin incision.	93
Table (25):	Comparison of heart rate values in different groups immediately after recovery.	94
Table (26):	Comparison between heart rate values 1 hour after recovery in the 3 groups.	95
Table (27):	Shivering scale in the 3 studied groups.	97
Table (28):	Comparison between the three groups as regard the shivering scale.	98