



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية
@ ASUNET



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

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



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل



ASSESSMENT OF PERIOPERATIVE HYPOTHERMIA

Essay submitted for fulfillment of M.SC. degree in
anaesthesia

BY

Mohamed Hussien Seleim

M.B.B.Ch.(Ain Shams University)

Supervised By

Prof. Dr. Mohamed Reda Abd El Gawad

Professor of Anaesthesia and Intensive Care
Head of Anaesthesia and Intensive Care Department
Faculty of Medicine-Ain Shams University

Dr. Hala Gomma Salama

Lecturer of Anaesthesia and Intensive Care
Faculty of Medicine-Ain Shams University

Dr. Hanan Mahmoud Farag

Lecturer of Anaesthesia and Intensive Care
Faculty of Medicine-Ain Shams University

**Faculty of Medicine
Ain Shams University**

***** 2000 *****

Acknowledgment

I would like to express my deep thanks and gratitude to **Prof. Dr. Reda Abdel Gawad**, Professor of Anaesthesia and intensive care, and head of Anaesthesiology department, Faculty of medicine, Ain Shams University, for the generous support he give me during the preparation of this work.

I am deeply grateful to **Dr. Hala Gomma Salama**, lecturer of Anaesthesiology and Intensive care, Faculty of Medicine, Ain Shams University for her helpful Suggestion and great help to complete this work.

I owe much to **Dr. Hanan Mahmoud Farag**, Lecturer of Anaesthesia and Intensive care, Faculty of Medicine, Ain Shams University for her helpful assistance and consideration which were very helpful to me.

Mohamed Hussein

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

"قالوا سبحانك لا علم لنا إلا ما علمتنا إنك

أنت العليم الحكيم"

صدق الله العظيم

سورة البقرة - الآية ٣٢

List of Contents

<i>Chapter</i>	<i>Page</i>
Introduction.	1
Chapter 1: <i>Normal Thermoregulation.</i>	3
Chapter 2: <i>Temperature Monitoring.</i>	16
Chapter 3: <i>Assessment of Unintentional Hypothermia.</i>	23
Chapter 4: <i>Thermoregulation during Anesthesia.</i>	39
Chapter 5: <i>Consequences of Hypothermia.</i>	45
Chapter 6: <i>Prevention of Inadvertent Hypothermia.</i>	60
Summary	67
References	70

List of Figures

<i>Figure</i>	<i>Page</i>
Figure 1: <i>Thermoregulatory System</i>	4
Figure 2: <i>Thresholds for thermoregulatory responses in awake and anesthetized humans.</i>	8
Figure 3: <i>Thermoregulatory Control Mechanisms.</i>	9
Figure 4: <i>Obsorn J wave after QRS complex.</i>	27
Figure 5: <i>Phases of Intraoperative Hypothermia.</i>	36
Figure 6: <i>The initial hypothermia develops following induction of anesthesia.</i>	38
Figure 7: <i>The calculated relative efficacy of all commonly used intraoperative warming methods.</i>	66

