

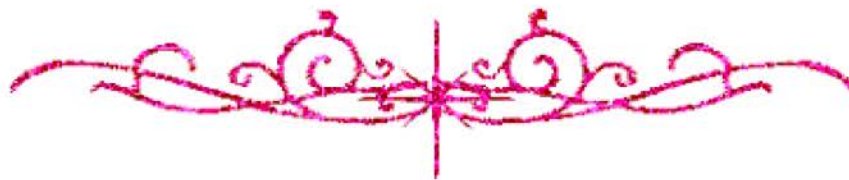
بسم الله الرحمن الرحيم



HOSSAM MAGHRABY



شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



HOSSAM MAGHRABY

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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



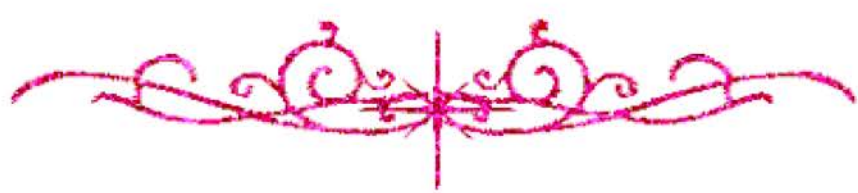
يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HOSSAM MAGHRABY



بعض الوثائق الأصلية تالفة



HOSSAM MAGHRABY



بالرسالة صفحات

لم ترد بالأصل



HOSSAM MAGHRABY

PERIOPERATIVE BLOOD LOSS AND ITS REDUCTION THE ROLE OF THE ANAESTHETIST

B10992

Essay

*Submitted for partial Fulfillment
Of master degree in Anaesthesiology*

Presented by
Hesham Abd EL- Rahman Mahmood
(M-B.B.CH.)

supervised by

Prof. Dr. Talaat Abd El-Haleim

*Professor of Anaesthesiology
Faculty of Medicine - El Azhar University*

Dr. Mamdouh El-said Lotfi

*Assistant professor of Anaesthesiology
Faculty of Medicine - Menoufiya university*

Dr. Mohamed Yaser El-Bahar

*Lecturer of Anaesthesiology
Faculty of Medicine Menoufiya university*

Faculty of Medicine

Menoufiya Univeristy

2002

PERIOPERATIVE BLOOD LOSS AND ITS REDUCTION THE ROLE OF THE ANAESTHETIST

Essay

*Submitted for partial Fulfillment
Of master degree in Anaesthesiology*

Presented by
Hesham Abd EL- Rahman Mahmood
M-B.B.CH.) (

Discussed by
Prof. Dr. Omar Abd El-Aleim Omar

*Professor of Anaesthesiology
Faculty of Medicine - El Menoufiya University*

Prof. Dr. Anaam Foad Gad Allah

*professor of Anaesthesiology
Faculty of Medicine - Banha university*

Dr. Mamdouh El-said Lotfi

*Assistant Professor of Anaesthesiology
Faculty of Medicine - Menoufiya university*

Faculty of Medicine

Menoufiya Univeristy

2002

بسم الله الرحمن الرحيم

﴿رب أوزعني أن أشكر نعمتك

التي أنعمت بها علي وعلى والدي

وأن أعمل صالحاً ترضاه وأدخلني

برحمتك في عبادك الصالحين﴾

من الآية : ١٩ من سورة النمل

ACKNOWLEDGEMENT

I thank Allah who always help me.

I am greatly honored to express my sincere gratitude to professor *Dr. Talaat Abd EL-Haleim*, professor of Anaesthesia, faculty of medicine, El Azhar University for his kind help and advice.

I wish to extend my deep gratitude to professor *Dr. Mamdooh EL-Said Latfi*, assistant professor of Anaesthesiology, faculty of Medicine, Menufiya University for his unlimited help and advises. Indeed, his meticolus supervision formed the final presentation of the work.

I am also privileged by the advise and encouragement of *Dr Mohamed Yaser EL-Bahar*, Lecturer of Anaesthesia faculty of medicine, Menufiya University, who gave me mush of his time & effort.

Finally, I would like thank *all my professor and colleagues* for their cooperation.

CONTENTS

- Introduction	1
- Review of literature	
- Cardiovascular physiology	4
- Causes of perioperative blood loss	16
- Measurement of perioperative blood loss	21
- Techniques of bleeding reduction	
<i>A- Controlled hypotension.</i>	
1- History	23
2- Techniques	25
3- Monitoring	54
4- Complications	56
5- Indications	57
6- Contraindications.	63
<i>B- Homologus versus Autologus transfusion.</i>	
1- Homologous transfusion	66
2- Autologus transfusion	89
a-Preoperative Autologous Blood Donation (PABD)	90
b- Acute Normovolemic Hemodilution (ANH)	95
c- Intraoperative & Postoperative Blood Salvages.	103
- Summary and Conclusion	110
- References	113
- الملخص العربي Arabic summary	

