



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

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



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل

Update Anesthetic Management of Patients with Cardiomyopathy

Essay

Submitted For Fulfillment Of Master Degree In
Anaesthesia And Intensive Care

By

Hany Gerges Hanalla

M.B.B.Ch.

Supervised by

Prof. Dr. Ibrahim Abd El-Ghany Ramdan

Professor of Anesthesia and Intensive Care
Faculty of Medicine, Ain Shams University

Prof. Dr. Nabil Wasfy Bebawy

Assistant Professor of Anesthesia and Intensive Care
Faculty of Medicine, Ain Shams University

Dr. Samh Michel Hakim

Lecturer of Anesthesia and Intensive Care
Faculty of Medicine, Ain Shams University

Faculty of Medicine
Ain Shams University
2001

B 9000

To my family

Acknowledgement

First of all, thanks are due to God for blessing this work, and for great helping to accomplish it.

I would like to express my deepest gratitude to ***Prof. Dr. Ibrahim Abd El-Ghany Ramdan*** , Professor of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University, for his great support and encouragement throughout this whole work.

My deepest appreciation and grateful thanks are due to ***Prof. Dr. Nabil Wasfy Bebawy*** , Assistant Professor of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University, for his close supervision, sincere help, and continuous encouragement.

I am truly grateful to ***Dr. Samh Michel Hakim*** , Lecturer of Anesthesia and Intensive Care, Faculty of Medicine, Ain Shams University, for his kind advice and great efforts throughout this work.

Hany Gerges

List of Contents

| | Page |
|--|-------------------|
| Introduction | 1 |
| 1- Chapter (1) Anatomical and Physiological Considerations of the Heart | 3 |
| 2- Chapter (2) Pathophysiology of Cardiomyopathy | 24 |
| 3- Chapter (3) Pre-anesthetic Assessment of Cardiac Function | 34 |
| 4- Chapter (4) Anesthetic Considerations of Cardiomyopathy | 54 |
| 5- Chapter (5) Postoperative Care of Patients with Cardiomyopathy | 74 |
| 6- Chapter (6) Summary | 87 |
| 7- Chapter (7) References | 89 |
| 8- Chapter (8) The Arabic Summary | |

List of Tables

Page

Table (2-1)

Functional classification of the
cardiomyopathies. 25

Table (2-2)

Factors associated with reduced survival in
dilated cardiomyopathy (DCM). 30

Table (2-3)

Classification of restrictive
cardiomyopathies. 32

Table (3-1)

Assessment of cardiac performance by history
and symptoms. 34

Table (3-2)

Examination in preparation for anesthesia. 35

Table (3-3)

Classification of left ventricular function. 36

Table (3-4)

Indications of poor ventricular function. 37

Table (3-5)

The factors associated with increase and decrease of left ventricular outflow obstruction. 38

Table (3-6)

Preanesthetic laboratory examination of patients with cardiac diseases. 42

Table (3-7)

Laboratory tests of cardiac function that provide information of value to the anesthesiologist. 43

Table (3-8)

Advantages and disadvantages of continuing therapy up to time of surgery. 52

Table (3-9)

Checklist of requirements that should be met before the patient is transferred to the care of the anesthesiologist in the operating room. 53

Table (4-1)

Treatment principles of hypertrophic cardiomyopathy. 57

Table (4-2)

Treatment principles of dilated cardiomyopathy. 60

Table (4-3)

Advantages and disadvantages of narcotic anesthesia. 61