شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية 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 %

ASUNET
شبكة المعلومات الجامعية

بالرسالة صفحات

لم ترد بالأصـــل

بعض الوثائق الأصلية تالفة

A COMPARATIVE STUDY BETWEEN CARDIAC RADIONUCLIDE STUDIES AND ECHOCARDIOGRAPHY IN THE EVALUATION OF CARDIAC FUNCTIONS IN PEDIATRIC PATIENTS WITH MYOCARDIAL DISEASE

THESIS

Submitted for partial fulfillment of the

Master Degree in Pediatrics

By

HEBA DOSOKY EID ABD ALLAH

M.B. Bch.

Supervised by

ASSIS. PROFESSOR DR. ALYAA AMAL KOTBY

Assistant Professor of Pediatrics

Faculty of Medicine – Ain Shams University

PROFESSOR DR. SALWA MASSOUD IBRAHIM

Professor of Radiation, Oncology and Nuclear Medicine

Faculty of Medicine – Ain Shams University

DR. TAREK AHMED ABD EL-GAWAD

Lecturer of Pediatrics

Faculty of Medicine – Ain Shams University

B

٦٠٤٨

Faculty of Medicine

Ain Shams University

1995

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا
عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ.

صَدَقَ اللهُ الْعَظِيمُ
البقرة - ٣٢

To

My Parents and
My Husband

ACKNOWLEDGMENT

First of all, my gratitude and deep thanks to my GOD for HIS continuous help and support to me.

It is a pleasure to express my deepest thanks and gratitude to ***ASSISTANT PROFESSOR DR. ALYAA AMAL KOTBY****, Assistant Professor of Pediatrics, Faculty of Medicine, Ain Shams University, who gave me the honour of working under her supervision and who was kind enough to offer me much of her valuable time and sincere advice. Her constant encouragement, close supervision and constructive guidance, were the paramount axes in the selection, initiation and progress of this work.*

My utmost thanks and appreciations are due to ***PROFESSOR DR. SALWA MASSOUD IBRAHIM****, Professor of Radiation Oncology and Nuclear Medicine, Faculty of Medicine, Ain Shams University, for her valuable remarks and generous support throughout this whole work. My deep gratitude goes to her faithful and meticulous supervision during every step of this work.*

I would like to express my deep appreciation to ***DR. TAREK AHMED ABD EL-GAWAD****, Lecturer of Pediatrics, Faculty of Medicine, Ain Shams University, for her great cooperation and her active skillful participation throughout the practical part.*

Finally, I would like to thank everyone who shared in the successfulness of this work by any means.

CONTENTS

LIST OF ABBREVIATIONS

AC	Atrial contribution
AO	Aortic root area
AR	Aortic regurge
ASH	Asymmetric septal hypertrophy
ASO	Antistreptolysin O titer
Bkg	Background
CFI	Colour Doppler flow imaging
CO	Cardiac output
CRP	C-reactive protein
CRT	Cathode ray tube
CTR	Cardiothoracic ratio
DCM	Dilated cardiomyopathy
DT	Deceleration time
EDC	End diastolic count
EDV/S	End diastolic volume/second
EMD	Endomyocardial disease
EMF	Endomyocardial fibrosis
ESC	End systolic count
ESR	Erythrocyte sedimentation rate
ESV	End systolic volume
FS	Fractional shortening
HCM	Hypertrophic cardiomyopathy
HOCM	Hypertrophic obstructive cardiomyopathy
HR	Heart rate
IHSS	Idiopathic hypertrophic subaortic stenosis
IHSS	Idiopathic hypertrophic subaortic stenosis
IR	Isovolumic relaxation time

IVS	Interventricular septum
KHZ	Kilohertz
LA	Left atrial
LAO	Left anterior oblique
LV	Left ventricle
LVED	Left ventricular end diastolic dimension
LVEF	Left ventricular ejection fraction
LVPW	Left ventricular posterior wall
MHZ	Megahertz
MR	Mitral regurge
MS	Mitral stenosis
P++	Pulmonary hypertension
PD	Pulsed Doppler
PEP	Preejection period
PFR	Peak ejection rate
PFR	Peak filling rate
PFV_1	Relative filling volume by peak filling rate
RFV_1	Relative filling volume during the rapid filling period
ROI	Region of interest
SAM	Systolic anterior motion
SAM	Systolic anterior motion of the mitral valve
SPECT	Single photon emission computed tomography
SV	Stroke volume
TPER	Time to peak ejection rate
TPFR	Time to peak filling rate
TR	Tricuspid regurge

LIST OF TABLES