



THE ROLE OF DUAL SOURCE CT IN ASSESSMENT OF MYOCARDIAL PERFUSION

A Thesis

***Submitted for Partial Fulfillment of
M.D. degree of Radiodiagnosis***

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2015



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

سورة البقرة آية (٣٢)

صدق الله العظيم

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Acknowledgment

First and foremost, praise is to *Allah*, to whom I relate any success in achieving any work in my life.

I wish to express my deepest thanks, gratitude and appreciation to *Prof. Dr. HANAN MAHMOUD HUSSEIN ARAFA*, for her sincere encouragement, constant advice and valuable guidance throughout the performance of this work.

I owe special thanks, gratitude and appreciation to *A. Prof. Dr. AHMED SAMIR IBRAHIM*, for his close supervision and continuous advice which gave me the best guidance during different stages of this work.

I also would like to thank *Dr. MOHAMED ABDEL-KADER SALEH* and *Dr. HEBA IBRAHIM ALY* for their efforts.

I would like to thank my professors, my father, my mother, my wife, my brother, my sisters, and my colleagues for their support and moral encouragement.

I would like to thank CT technologists as well as nursing staff at Ain Shams University Specialized Hospital radiology department who assisted to perform this study, especially technologists: *Mohammad Salah-Edden Zain-Alabedeen* and *Mostafa Ismael Nasef* for their powerful, efficient and influential assistance.

Amgad Samy Abdel-Rahman

Abbreviations

2D	Two Dimensional
3D	Three Dimensional
Ao	Aorta
ASUSH	Ain Shams University Specialized Hospital
CAD	Coronary Artery Disease
CCA	Conventional Coronary Angiography
cCTA	Coronary Computed Tomography Angiography
CMR	Cardiac Magnetic Resonance
CT	Computed Tomography
CTA	Computed Tomography Angiography
CTP	Computed Tomography Perfusion
DECT	Dual Energy Computed Tomography
DSCT	Dual Source Computed Tomography
ECG	Electro-cardio-gram
EF	Ejection Fraction
FOV	Field of View
GCV	Great Cardiac Vein
HF	Heart Failure
i.e.	Id est (Latin: that is)
IHD	Ischemic Heart Disease
kV	Kilovoltage
LAD	Left Anterior Descending
LCA	Left coronary artery
LCx	Left Circumflex
LMCA	Left Main Coronary Artery
LV	Left Ventricle or left Ventricular
MDCT	Multi-Detector Computed Tomography
MI	Myocardial Infarction

MIP	Maximum Intensity Projection
MPR	Multiplanar Reformat
MR	Magnetic Resonance
MSCT	Multi-Slice Computed Tomography
msec	Millisecond
PD	Perfusion Defect
RCA	Right Coronary Artery
RWM.....	Regional Wall Motion
SD	Standard Deviation
SPECT	Single Photon Emission Computed Tomography
SSD.....	Shaded Surface Display

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