

**Role of Multi-Detector CT
Angiography In Assessment of
Atherosclerotic Coronary Artery
Disease**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سببناك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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List of Abbreviations

AHA	: American heart association
bpm	: Beat per minute
CABG	: Coronary Artery Bypass Grafts
CAD	: Coronary artery disease
CAG	: Coronary Angiography
CPR	: Curved planar reformation
CT	: Computed tomography
CTCA	: Computed tomography coronary angiography
DSCT	: Dual Source Computed Tomography.
EBCT	: Electron Beam Computed Tomography
ECG	: Electrocardiogram
HU	: Hounsfield Units
IHD	: Ischemic heart disease
IMA	: Internal mammary Artery
IVUS	: Intravascular Ultrasonography
LAD	: Left Anterior Descending
LCx	: Left Circumflex Artery
LIMA	: Left Internal Mammary Artery
LM	: Left Main Trunk
MCV	: Middle Cardiac Vein
MDCT	: Multidetector Computed Tomography

MICABG	: Minimally Invasive Coronary Artery Bypass Grafting
MIP	: Maximum Intensity Projection
MPR	: Multi-planar Reconstruction
MSCT	: Multi-slice computed tomography
OM	: Obtuse Marginal Artery
PDA	: Posterior Descending Artery
RCA	: Right Coronary Artery
ROI	: Region Of Interest
SVG	: Saphenous Vein Graft
VR	: Volume-Rendered

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