



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



HANAA ALY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

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HANAA ALY

Multi-detector CT Characterization of Coronary Atheromatous Plaques

Thesis

Submitted for the Partial Fulfillment of MD degree in Radiodiagnosis

By

Marwa Maher Ahmed

*Master's Degree in Radiodiagnosis
Ain Shams University*

Supervised by

Prof. Dr. Waheed Tantawy

*Professor of Radiodiagnosis
Faculty of Medicine
Ain Shams University*

Prof. Dr. Islam Shawky

*Professor of Cardiology
Faculty of Medicine
Al-Azhar University*

Prof. Dr. Waleed Hetta

*Professor of Radiodiagnosis
Faculty of Medicine
Ain Shams University*

Dr. Ahmed Samy

*Assistant Professor of Radiodiagnosis
Faculty of Medicine
Ain Shams University*



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List of Abbreviations

ACS	Acute coronary disease
AO	Aortic Root
AUC	Area under curve
AV	Atrioventricular
AVGA	Atrioventricular Groove Artery
CABG	Coronary artery bypass graft
CACS	Coronary artery calcification
CAD	Coronary artery disease
COURAGE	Clinical Outcomes Utilizing Revascularization Aggressive Drug Evaluation
CPR	Curved planar reformation;
CS	Coronary Sinus
CT	Computed Tomography
ECG	Electrocardiogram
FIRST-B	Forward-projected model-based iterative reconstruction solution-body
FIRST-CS	Forward-projected model-based iterative reconstruction solution-cardiac sharp
HCV	Hepatitis C virus
HRP	High-risk plaque
HU	Hounsfield unit
ICA	Invasive Coronary Angiography
ICA	Invasive coronary angiography
ICA	Invasive coronary angiography
iNOS	Inducible nitric oxide synthase enzyme
IOR	Interquartile range
IVUS	Intravascular Ultrasound
LA	Left Atrium
LAD	Left Anterior Descending Artery

LAP	Low attenuation plaque
LCA	Left Coronary Artery
LCX	Left Circumflex Artery
LDL	Low-density lipoprotein
LM	Left Main Coronary Artery
LV	Left Ventricle
MDCT	Multi-Detector Computed Tomography
MDCTA	Multi-Detector Computed Tomography Angiography
MDS	The maximum per cent diameter stenosis
MIP	Maximum-Intensity-Projection
MIP	Maximum Intensity Projection
MPR	Multiplanar reformatting
MRI	Magnetic Resonance Imaging
NCP	Noncalcified Plaque
NPV	Negative predictive value
NRS	Napkin ring sign
NSTEMI	Non-ST segment elevated myocardial infarction
OCT	Optical Coherence Tomography
OM	Obtuse Marginals
PAV	Per cent atheroma volume
PCI	Percutaneous coronary intervention
PDA	Posterior Descending Artery
PPV	Positive predictive value
PROSPECT	Providing Regional Observations to Study Predictors of Events in the Coronary Tree
RA	Right Atrium
RCA	Right Coronary Artery
RF	Radiofrequency
RI	Remodelling index

ROC	Receiver operating characteristic
ROI	Region of interest
RV	Right Ventricle
RVOT	Right Ventricular Outflow Tract
SA	Sinoatrial
SAN	Sinoatrial Node Branch
SCCT	Society of Cardiovascular Computed Tomography
TAV	Total atheroma volume
TCFA	Thin-Cap Fibro Atheroma
TCFA	Thin cap fibroatheroma
VH-IVUS	Virtual Histology Intravascular ultrasound
VR	Volume rendering
WHO	World health organization