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Role of Multidetector Computed Tomographic Angiography In Evaluation of Renovascular Hypertension

Essay

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

لَسْبِقَ أَنْكَ لَا يَعْلَمُ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

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 **Ahmed Mousa Qwaider**

This Work is Dedicated
to

THE SOUL OF MY FATHER
DR. MOUSA RABAH QWAIDER

WHO

MADE ME THE MAN THAT I AM TODAY

*May Allah forgive him and grant him his
highest paradise (Ameen).*

List of Abbreviations

Abbreviation :	Full-term
3D	: Three dimensions
AAA	: Abdominal Aorta Aneurysm
ACE	: Angiotensin Converting Enzyme
ACR	: American College of Radiology
AF	: Atrial fibrillation
AHA	: American Heart Association
AKI	: Acute kidney injury
ALARA	: As Low As Reasonably Achievable
ARAS	: Atherosclerotic renal artery stenosis
ARB	: Angiotensin receptor blocker
AV	: Arteriovenous Shunts
AVF	: Arteriovenous Fistula
AVM	: Arteriovenous Malformation
CAD	: Coronary artery disease
CHF	: Congestive heart failure
CIN	: Contrast Induced Nephropathy
CKD	: Chronic kidney disease
CM	: Contrast media
CPR	: Curved planar reformatting
CT	: Computed Tomography
CTA	: Computed Tomographic Angiography
DNA	: Deoxyribonucleic acid
DSA	: Digital Subtraction Angiography
FMD	: Fibromuscular dysplasia
GFR	: Glomerular filtration rate
HTN	: Hypertension
HU	: Hounsfield unit
IV	: Intra-venous

IVC	: Inferior vena cava
mA	: Milliampere
MAL	: Median arcuate ligament
MAS	: Middle Aortic Syndrome
MDCT	: Multi Detector Computed Tomography
MDCTA	: Multi Detector Computed Tomographic Angiography
MIP	: Maximum intensity projection
mmHg	: Millimeters of mercury
MPR	: Multi-planar reformatting
MRA	: Magnetic Resonance Angiography
MRI	: Magnetic Resonance Imaging
NF1	: Neurofibromatosis
NSAID	: Nonsteroidal anti-inflammatory drug
PAD	: Peripheral artery disease
PAN	: Polyarteritis nodosa
PCE	: Peak contrast enhancement
PTA	: Percutaneous transluminal angioplasty
RAA	: Renal artery aneurysm
RAAS	: Renin Angiotensin Aldosterone System
RAD	: Renal artery dissection
RAS	: Renal artery stenosis
RVD	: Renovascular disease
RVHT	: Renovascular hypertension
SDCT	: Single Detector Computed Tomography
sec	: Second
SRAD	: Spontaneous renal artery dissection
SSD	: Shaded surface display
TA	: Takayasu's arteritis
US	: Ultrasonography
VR	: Volume rendered

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