



Role of MRI in assessment of incidental adrenal masses

Essay

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Radiodiagnosis*

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Gehad Mohamed

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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List of abbreviations

2D	2-dimensional
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3D	3-dimensional
ACTH	Adrenocorticotropic hormone
ADC	Apparent Diffusion Coefficient
AIMAH	Adrenocorticotropin-independent macro-nodular adrenal hyperplasia
ASII	Adrenal signal intensity index
ASR	Adrenal to spleen ratio
CAH	Congenital adrenal hyperplasia
CMV	Cytomegalovirus
CSI	Chemical shift imaging
CSI	Chemical shift index
DWI	Diffusion Weighted Imaging
FSE	Fast Spin-Echo
GRE	Gradient Echo.
HASTE	Breath-Hold Half-Fourier Transform Single Shot Spin-Echo.
HCC	Hepatocellular carcinoma

HCV	Hepatitis C virus
HU	Hounsfield unit
HZ	Hertz
IP	In-phase
IV	Intravenous.
IVC	Inferior Vena Cava
MHMAE	Macro-nodular hyperplasia with marked adrenal enlargement
mm²/sec	Squared millimeter per second
mmol/kg	Millimol per kilogram
MP-RAGE	Magnetization-Prepared Rapid-Acquisition Gradient-Echo
MRS	Magnetic Resonance Spectroscopy
msec	Millisecond
OP	Out-of-phase
ppm	parts per million.
PPNAD	Primary pigmented nodular adrenocortical

	disease
RARE	Rapid-Acquisition with Relaxation-Enhancement Sequence
RCC	Renal cell carcinoma
ROI	Region of interest
SE	Spin-Echo
SGE	Spoiled Gradient Echo
SI	Signal intensity
SNR	Signal to noise ratio
SPIR	Spectrally Selective Inversion Recovery
SSFSE	Single Shot Fast Spin Echo
T1WI	T1-Weighted
T2WI	T2-Weighted
TE	Time to Echo
TR	Repetition time
TSE	Turbo Spin Echo
TURBO FLASH	Turbo-Fast Low-Angle Shot

VIBE	Volumetric Interpolated Breath-Hold Examination
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