Role Of CT And MR Imaging In The Evaluation Of Adrenal Masses

Essay
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دور الاشعة المقطعية والرنين المغناطيسي في تقييم اورام الغدة الكظرية

رسالة
توطئة للحصول على درجة الماجستير في الأشعة التشخيصية

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Abstract

Finally, CT and MR remain the primary imaging modalities for characterization of adrenal lesions. Recently developed techniques may offer additional information. The value of other new functional imaging techniques has already been proven and such as diffusion weighted imaging and MR spectroscopy may play an important role in lesion characterization in the near future. These exciting techniques may soon to be routinely available and could potentially further obviate the need for adrenal biopsies that are performed in indeterminate cases.

Key word

characterization ,CT ,MR,

Contents

List Of Abbreviations

AA	Adrenocortical adenoma
ACC	Adrenocortical carcinomas
ACTH	Adrenocortical Trophic hormone
ADP	Adenosine Di Phosphate
AIMAH	ACTH-independent macronodular adrenal hyperplasia
APA	Aldosterone-Producing Adenomas
APW	absolute percentage wash out
CAH	congenital adrenal hyperplasia
CMV	Cytomegalovirus
CNS	central nervous system
CRH	Corticotropin- Releasing Hormone
CSI	Chemical Shift Imaging
CT	Computed Tomography
DA	attenuation on delayed contrast-enhanced scans
DIC	Disseminated intravascular coagulation
DWI	Difusion-weighted imaging
EA	Early attenuation on contrast-enhanced scans

Fig.	Figure
FOV	Field of View
FS	Fat Suppression
FSE	Fast Spin Echo
g	Grams
Gd	Gadolinium
GIP	Gastric Inhibitory Polypeptide
GN	ganglioneuroma
GNB	Ganglioneuroblastoma
GRA	Glucocoticoid Remediable Aldosteronism
GRE	Gradient Recalled Echo
HASTE	Half fourier Acquisition Single shot Turbo spin Echo
Hrs	Hours
HU	Hounsfield unit
HVA	Homo Vanillic Acid
IHA	Idiopathic Hyperplasia
INSS	International Neuroblastoma Staging System
IV	Intravenous
IVC	Inferior Vena Cava
LDL	Low-Density Lipoprotein

MDCT	Multidetector Computed Tomography
MEN	Multiple Endocrine Neoplasm
Min.	Minutes
MIP	Maximum Intensity Projection
MRI	Magnetic Resonance Imaging
MRS	Magnetic Resonance Spectroscopy
MSH	Melanocyte Stimulating Hormone
NB	Neuroblastoma
NECT	Non Enhanced CT
NF-1	Neurofibromatosis 1
PA/PRA	Plasma Aldosterone/ Plasma Renin Activity Ratio
PNET	Primitive Neuroectodermal Tumor
POG	Pediatric Oncology Group
RCC	renal cell carcinoma
PRA	Plasma Renin Activity
ROI	Region of Interest
RPW	Relative percentage washout
SE	Spin Echo
Sec.	Seconds

SI	Signal Intensity
StAR	Steroidogenic Acute Regulatory Protein
STIR	Short TI Inversion Recovery
T	Tesla
TE	Time of Echo
TR	Time of Repetition
TS	Tuberous Sclerosis
VHL	Von Hippel-Lindau disease
VMA	Vanillyl Mandelic Acid
WHO	World Health Organization
WI	Weighted Image

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