



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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Role of abbreviated MRI protocol for screening of HCC in HCV related cirrhotic patients prior to direct acting antiviral treatment

A Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

لسببائك لا علم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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*✍ **Nora Nabil Abdou Ahmed Mikawy***

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List of Abbreviations

<i>Abbr.</i>	<i>Full-term</i>
AASLD	: American Association for the Study of Liver Diseases
ADC	: Apparent diffusion coefficient
AFP	: Alpha feto-protein
APS	: Arterio-portal shunts
ART	: Arterial
BBEPI	: Black-blood echoplanar imaging
BCLC	: Barcelona Clinic Liver Cancer
CHA	: Common hepatic artery
CT	: Computed tomography
DCE-MRI	: Dynamic contrast enhanced-magnetic resonance imaging
DEL	: Delayed
DNs	: Dysplastic nodules
DSC-MRI	: Dynamic susceptibility contrast-magnetic resonance imaging
DWI	: Diffusion weighted imaging
EPI	: Echo planner imaging
FIESTA	: Fast imaging employing steady state acquisition sequence
FOV	: Field of view
FRFSE	: Fast recovery fast spin echo
FSE	: Fast spin echo
FSPGR	: Fast spoiled gradient
Gd-DTPA	: Gadolinium-diethylenetriaminepentaacetic acid
GRE	: Gradient recalled echo

HA	: Hepatic artery
HASTE	: Half-Fourier acquisition single-shot turbo spin-echo
HCC	: Hepatocellular carcinoma
HCV	: Hepatitis C virus
HCSs	: Hepatic cells stellates
ICC	: Intra-hepatic cholangiocarcinoma
IP	: In-phase
IVC	: Inferior vena cava
LI-RADS	: Liver Imaging-Reporting And Data System
ME	: Maximum enhancement
MIP	: Maximum intensity projection
MRE	: Maximum relative enhancement
MRI	: Magnetic resonance imaging
ms	: millisecond
NEX	: Number of excitations
OP	: Out-of-phase
PACS	: Picture archiving and communication system
PET	: Positron-emission tomography
PI	: Parallel imaging
PST	: Performance status test
PV	: Portal vein
RE	: Relative enhancement
RES	: Reticuloendothelial system
RFA	: Radio-frequency ablation
RNs	: Regenerative nodules
ROI	: Regions of interest
s/mm²	: Second per square millimeter
Sat	: Saturation

SE	: Spin echo
SI	: Signal intensity
SNR	: Signal to noise ratio
SPIO	: Superparamagnetic iron oxide
SSTSE	: Single shot turbo spin echo
T	: Tesla
TACE	: Trans-arterial chemoembolization
TE	: Echo Time
THID	: Transient hepatic intensity difference
THRIVE	: T1 high resolution isotropic volume examination
TR	: Repetition time
True-FISP	: True fast imaging with steady state precession
TSE	: Turbo spin echo
TTP	: Time to peak
US	: Ultrasound
VIBE	: Volumetric interpolated breath hold examination
WI	: Weighted images
2D	: Two dimensional
3D	: Three dimensional

