



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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# **Role of Dual Energy CT Liver Perfusion in Differentiation of Hepatocellularcarcinoma**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

لَسِبْنَا نِكَ لَا نَعْلَمُ لَنَا  
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ  
الْعَلِيمُ الْعَظِيمُ

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# *List of Abbreviations*

<b>Abb.</b>	<b>Full term</b>
AEF.....	Arterial enhancement fraction
AF .....	Arterial flow
BF .....	Blood flow
BV .....	Blood volume
CR.....	Complete response
CT .....	Computed tomography
CTp .....	Computed tomography perfusion
DN .....	Dysplastic nodules
FGF.....	Fibroblast growth factor
GI.....	Gastrointestinal
HAP .....	Hepatic Artery Perfusion
HCC .....	Hepatocellular carcinoma
HGDN.....	High grade dysplastic nodules
HPI .....	Hepatic perfusion index
LD .....	Longest diameters
LGDN .....	Low grade dysplastic nodules
MDCT .....	Multidetector computed tomography
MRI.....	Magnetic resonance imaging
MS.....	Metabolic syndrome
MTT .....	Mean transit time
MVD .....	Microvessel density
PDGF.....	Platelet-derived endothelial cell growth factor
PI .....	Perfusion index
PR.....	Partial response
PS .....	Permeability Surface

## *List of Abbreviations Cont...*

<b>Abb.</b>	<b>Full term</b>
PVP.....	Portal venous phase
RFA.....	Radiofrequency ablation
ROI .....	Region of interest
TACE.....	Trans Arterial Chemoembolization
US .....	Ultrasound
VEGF.....	Vascular endothelial growth factor
WHO.....	World Health Organization

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