

Management of Colorectal Liver Metastasis

Essay

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وَقُلْ اَعْمَلُوا فَسَيَرَى اللّٰهُ
عَمَلَكُمْ وَرَسُولُهُ وَالْمُؤْمِنُونَ





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I would like to dedicate this work to

My beloved Mother and my dear Father

*For pushing me into Science and Honor, They are the
basis of everything*

My Wife, my son Omar and my daughter Ayla

*I strongly doubt there are any words to express how
much I owe them, They are my gift from Allah*

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support, your presence makes me happy*

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List of Abbreviations

5-FU	5-Fluorouracil
AFP	Alpha-Fetoprotein
ALT	Alanine Aminotransferase
APC	Adenomatous Polyposis Coli
AST	Aspartate Aminotransferase
CASH	Chemotherapy Associated Steatohepatitis
CEA	Carcinoembryonic Antigen
CEUS	Contrast-Enhanced Ultrasound
CHA	Common Hepatic Duct
CLM	Colorectal Liver Metastasis
CNS	Central Nervous System
CRC	Colorectal Cancer
CRLM	Colorectal Liver Metastasis
CRS	clinical Risk Score
CSA-P	Colon-Specific Antigen-P
CT	Computed Tomography
CUSA	Cavitation Ultrasonic Surgical Aspirator
DCC	Deleted in Colon Cancer Gene
DIC	Disseminated Intravascular Coagulopathy
DNA	Deoxyribonucleic Acid
EGFR	Epidermal Growth Factor Receptor
EMA	Epithelial Membrane Antigen

EORTC	European Organization for Research and Treatment of Cancer
FDG	Fluoro-Deoxy-Glucose
FGF	Fibroblast Growth Factor
FLR	Future Liver Remnant
FNA	Fine Needle Aspiration
FNH	Focal Nodular Hyperplasia
FOBT	FecalOccult Blood Testing
FUDR	Floxuridine
HA	Hepatic Artery
HAI	Hepatic Artery Infusions
HCC	Hepatocellular Carcinoma
hMLH	Human Mutl Homolog
HNPCC	Hereditary Non-Polyposis Colonic Cancer
Hz	Hertz
ICG	Indocyanine Green
IL-8	Interleukin-8
IOUS	Intraoperative ultrasound
IV	Intra-venous
IVC	Inferior Vena Cava
LM	Liver Metastasis
LV	Leucovorin
MDCT	Multidetector CT
MDTs	Multidisciplinary Teams
MMR	Mismatch Repair Gene
MRI	Magnetic Resonance Imaging
Ng	Nano-Gram

OS	Overall Survival
PCA	Patient Controlled Analgesia
PD-ECGF	Platelet-Derived Endothelial Cell Growth Factor
PDGF	Platelet Derived Growth Factor
PET	Positron Emission Tomography
PFS	Progression-Free Survival
PLF	Post-Resectional Liver Failure
PT	Prothrombin Time
PV	Portal Vein
PVE	Portal Vein Embolization
RF	Radio-Frequency
RFA	Radio-Frequency Ablation
RLV	Remnant Liver Volume
SBRT	Stereotactic Body Radiotherapy
SGOT	Serum Glutamic Oxalacetic Transaminase
SGPT	Serum Glutamic Pyruvic Transaminase
SIRT	Selective Internal Radiation Therapy
SOS	Sinusoidal Obstruction Syndrome
SPECT	Single Photon Emission Computerized Tomography
TGF	Transforming Growth Factor
TLV	Total Liver Volume
TSP	Thrombospondin
US	Ultrasound
VEGF	Vascular Endothelial Growth Factor
vWF	Von Willebrand Factor

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