

MEDICAL CENTER

Surgical Intensive Care Unit

Liver Transplant Pathway

All liver transplant patients will be cared for by a SICU NP and Attending as the critical care consultant team. Communication will be made through the SICU NP to the liver transplant chief resident or fellow as appropriate. Any pertinent changes to the status of the liver transplant patient will also be communicated to the SICU attending.

The Liver Transplant team is responsible for entering all orders pertaining to immunosuppression and antibiotics pertaining to immunosuppressive therapy.

The SICU team will be responsible for all other order entry.

Hours 0-24	Hours 24-48	Transfer
ICU Admission:	Neuro:	When to Transfer to Floor status:
*Labs Q6H x24 hrs (CBC, BMP, Ca,	*Goal RASS	*Hemodynamic stability
Mg, Phos, LFTs, INR, ABGs/lactate,	*Continue oxycodone PRN with	*Stable O2 requirement
fibrinogen if coagulopathic)	Dilaudid for breakthrough (d/c	*Able to clear secretions
*CXR for ETT and line placement if	dilaudid if possible)	*Discontinuation of invasive
applicable	*Tylenol 500mg Q6H scheduled per	monitoring
Neuro:	liver transplant team	*Non-combative/cooperative
*Wean sedation if	Cardiovascular:	<i>,</i> ,
hemodynamically normal	*MAP>55	
*If extubated, ensure adequate	*Consider restarting home	
pain control with PRN	antihypertensives or amlodipine	
oxycodone/Dilaudid initially;	2.5-10mg Qday (if not taking	
discuss with liver transplant team	antihypertensives at home) for	
before adding low dose Tylenol or	SBP>160, unless hypervolemic and	
other adjuncts	then consider diuresis	
<u>Cardiovascular:</u>	<u>Respiratory:</u>	
*MAP>55	*Supplemental O2 for SpO2 >92%	
*Monitor CVP >8 and <15	*Pulmonary toilet including IS/DB	
<u>Respiratory:</u>	Q1H	
*Ventilator per SICU protocol	<u>FEN/GI:</u>	
*SBT if HDS	*SICU NP to replace electrolytes as	
*Consider extubation if HDS	needed	
*Once extubated, ensure incentive	*SLIVF unless NPO	
spirometer at bedside	*Daily labs	
FEN, GI and endocrine:SICU NP to	*Daily weight	
replace electrolytes as needed	*Strict I/O	
*MIVF – Plasmalyte @75ml/h	*Evaluate need to start diuresis	
D10W @30ml/hr	based on fluid status; always in	

*NPO until closrod by liver	concultation with liver transplant	[
*NPO until cleared by liver	consultation with liver transplant	
transplant team*SICU insulin	team	
infusion protocol		
<u>Renal:</u>	*Continue advancing diet per liver	
*Maintain Foley catheter in place	transplant team; consider adding	
<u>ID:</u>	oral nutritional supplement	
*Immunosuppression per HBS		
team	<u>Renal:</u>	
*PCP, CMV and fungal prophylaxis	*Consider removal of Foley if not	
per HBS team	already done	
<u>Musculoskeletal:</u>	*Monitor for AKI and renally dose	
*PT/OT consult	medications as appropriate <u>ID:</u>	
*SICU early mobility protocol	*Immunosuppression per HBS	
<u>Prophylaxis</u> :	team	
*Ensure appropriate stress ulcer	*PCP, CMV and fungal prophylaxis	
prophylaxis	per HBS team	
*No chemical DVT prophylaxis until	Endocrine:	
platelets >100 and approved by	*Transition to SSI once taking PO	
liver transplant team	and if appropriate. Consider	
*Bowel regimen with	consult to endocrine service if	
docusate/senna BID	indicated.	
<u>Tubes/Lines/Drains:</u>	*Restart home insulin regimen if	
*All IV access to remain in place	indicated	
*JP drain management per liver	<u>Musculoskeletal:</u>	
transplant team	*SICU early mobility protocol	
Transfusion triggers:		
*Per HBS team	<u>Prophylaxis</u> :	
When to notify primary team:	*Ensure appropriate stress ulcer	
*Vasopressors are started or	prophylaxis	
increased	*No chemical DVT prophylaxis until	
*Increasing lactate/LFTs	platelets >100 and approved by	
*When blood product transfusion	liver transplant team	
may be warranted based on either	*Bowel regimen with	
labs or hemodynamics	docusate/senna BID; if no BM at	
	this point, consider adding Miralax	
	daily	
	Tubes/Lines/Drains:	
	*Removal of all extraneous access;	
	removal of arterial line if no need	
	for ongoing beat-to-beat	
	hemodynamic monitoring;	
	preferential removal of MAC	
	central line first; removal of	
	remaining central access when two	
	adequate PIVs obtained	
	*JP drains per liver transplant team	
		l

Revised June 1, 2021:

Jody Barnwell Smith, DNP SICU Lead Nurse Practitioner

Dakota Rhodes, DNP SICU Nurse Practitioner

Martin Montenovo, MD, FACS Associate Professor of Surgery Division of Hepatobiliary Surgery & Liver Transplantation

Endorsement:

Michael C. Smith, MD SICU PI Physician Lead

Shannon C. Eastham, MD SICU Co-Medical Director

Approved: June 1, 2021