

Page 1 of 3

MOTP CLINICAL DIRECTIVES

Program: Liver Transplantation

Liver Transplant Recipient Management Protocols - CMV, HSV, Fungi, PJP and HBV

Title: https://intra.lhsc.on.ca/sites/default/files/uploads/Transplant%20Recipient%20Mangement%20Prophylaxis%20Liver.pdf Intranet Location:

	High Risk Patient	Treatment / Dose / Duration	Caution / Monitoring	Alternative	Start
Cytomegalovirus (CMV)	• CMV mismatch Donor +/ Recipient - • CMV seropositive recipients	 <u>Primary prophylaxis therapy recommended</u>: Valganciclovir (Valgan) 900 mg p.o. daily X 6 months <u>Preemptive therapy recommended</u>: Weekly CMV PCR for 12 weeks after transplantation, and if a positive CMV threshold (3 Log) is reached, refer to Transplant ID Treatment at the discretion of Transplant ID: Valganciclovir 900 mg p.o. BID, or IV Ganciclovir 5 mg/kg IV every 12 h until negative test <u>These patients should receive HSV prophylaxis (see HSV section)</u> 	 Renal dose adjustment may be required Both medications may cause bone marrow suppression 	Ganciclovir IV	MOTU upon discharge
		Issued 2018/Feb/09	Last Reviewed: 2022/Jun/0		vised:2022/Jul/08 y Anouar Teriaky

(High Risk Patient	Treatment / Dose / Duration	Caution / Monitoring	Alternative	Start
rpes Simplex (HSV	Liver	 All post-transplant patients 	 <u>All transplant recipients not receiving CMV prophylaxis should</u> <u>be on HSV prophylaxis for 1 month</u> Acyclovir 400 mg p.o. BID for 1 month 	 Renal dose adjustment may be required 	Valganciclovir for CMV prophylaxis	MOTU upon discharge
lei	Issued 2022/Jul/08				l:	Last Revised:
	Approved by Anouar Teriak					

This protocol has been created specifically for London Health Sciences Centre (LHSC) and may not be applicable for other centres. This document is the intellectual property of LHSC. It is not to be shared or duplicated without permission.

This is a controlled document. Any documents in paper form must be used for reference purposes only. The intranet copy must be considered the current document.

Page 2 of 3

London Health Sciences Centre Multi-Organ Transplant Program

	High Risk P	atient	Treatme	nt / Dose / Duration	Caution	/ Monitoring	Alternative	Start	
Fungi: Aspergillosis / Candida / Cryptococcus Liver	 Retransplant >20 units PRBC durin auto-transfusion Renal failure with RR Fulminant hepatic fai Previous fungal infect Re-operation Choledochojejunosto Choledochoduodeno Early colonization of operative stage MELD score above 3 split, living donor Early rejection Multi-organ transplan 	ng or including RT lure stion omy/ stomy candida in peri-	High Risk: • luconazole 400 • Consult Trans All Other Recipio	0 mg PO OD x 4 weeks plant ID	Adjust the Tacrolim Tacrolim	e dose of us and monitor	Consult Transplant ID, treatment at discretion of Transplant ID	Post-op	
ystis Jiroveci onia (PJP) Liver	Universal prophylaxis Mon/Wed/Fri x			Caution / Monito • Renal function • Cholestasis • Leukopenia, hyperkale	oring	Approv Alte If allergy to Se • Atovaquone daily • Dapsone 50	ed by Anouar Teriaky ernative ptra use: e 1500 mg PO 0-100 mg (daily) – ng prior to use	y) —	
Pneumocystis . Pneumonia (Live				Issued 2018/Feb/09	Last	inhaled) • Clindamyci Pyrimethan Reviewed: 2022/J	n 300 mg and hine 15 mg	rised: 2022/Jul/11 and Anton Skaro	

This is a controlled document. Any documents in paper form must be used for reference purposes only. The intranet copy must be considered the current document.

This protocol has been created specifically for London Health Sciences Centre (LHSC) and may not be applicable for other centres. This document is the intellectual property of LHSC. It is not to be shared or duplicated without permission.

Page 3 of 3

			Treatment / Dose / Duration	Caution / Monitoring	Alternative	Start	
s (HBV)	Re • H • H	gh Risk Patient cipient HBsAg +, and any of: ligh HBV DNA level (≥4 logs) IDV + IIV +	 Hepatitis B immunoglobulin (HBIG) 15 mL (4680 IU) intra-operatively followed by 5 more doses daily <u>Plus</u> Require lifelong antiviral treatment - choose one of the following: Tenofovir 300mg daily (covered by ODB) <u>OR</u> Entecavir 0.5mg daily (covered by ODB) <u>OR</u> Tenofovir Alafenamide 25mg daily 	HBV DNA q6 months	None	HBIG: Intra- op Post-op	
Hepatitis B Virus	.≥ Re	w Risk Patient cipient HBsAg + ow HBV DNA level (<4 logs)	 HBIG not required Require lifelong antiviral treatment - choose one of the following: Tenofovir 300mg daily (covered by ODB) <u>OR</u> Entecavir 0.5mg daily (covered by ODB) <u>OR</u> Tenofovir Alafenamide 25mg daily 	HBV DNA q6 months	None	Post-op	
	Re OR	w Risk Patient cipient HBcAb + and HBsAg – ? nor HBcAb +	 HBIG not required Require lifelong antiviral treatment - choose one of the following: Tenofovir 300mg daily (covered by ODB) <u>OR</u> Entecavir 0.5mg daily (covered by ODB) <u>OR</u> Tenofovir Alafenamide 25mg daily OR 	HBV DNA q6 months	None	Post-op	
Issued 2018/Feb/09 Last Reviewed: 2022/Mar/24 Last Revised:2022/Mar/2 Approved by Anouar Teriak							

This is a controlled document. Any documents in paper form must be used for reference purposes only. The intranet copy must be considered the current document.

This protocol has been created specifically for London Health Sciences Centre (LHSC) and may not be applicable for other centres. This document is the intellectual property of LHSC. It is not to be shared or duplicated without permission.