Figure S1. Cumulative incidence of CMV infection within 12 months after LDLT.
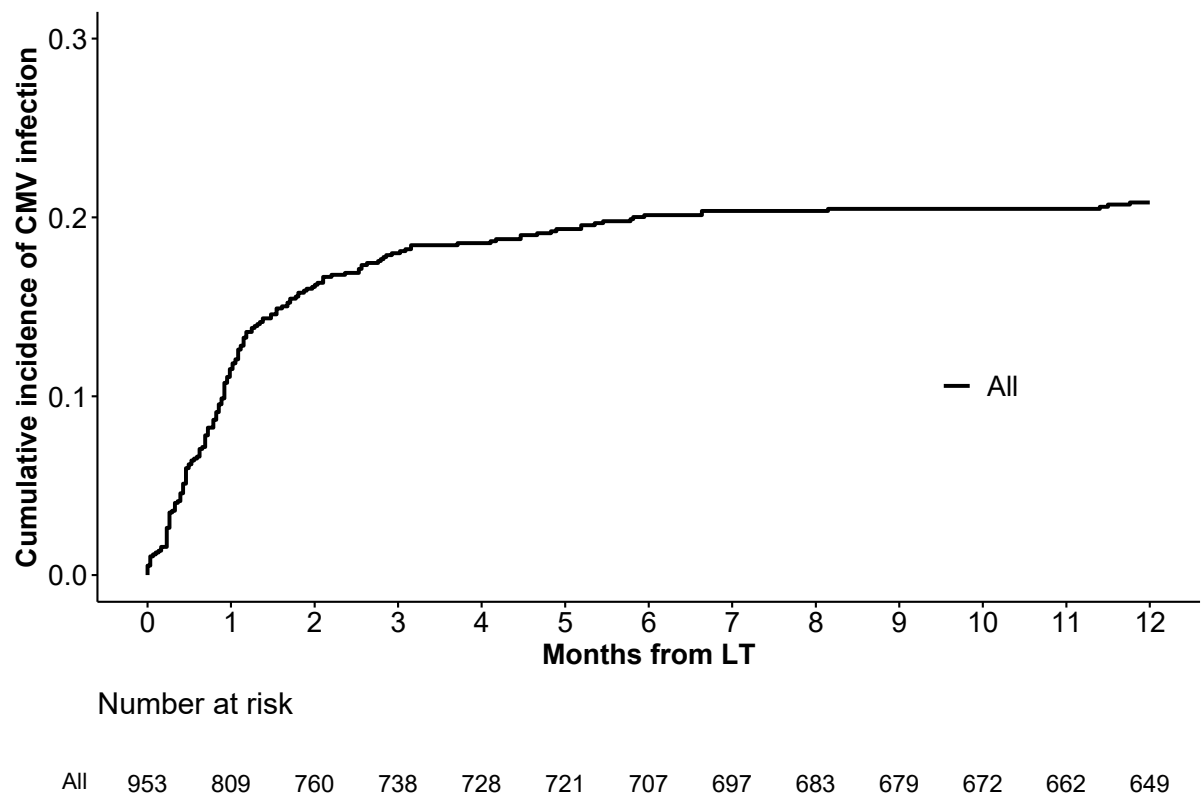

Number at risk

All	953	809	760	738	728	721	707	697	683	679	672	662	649

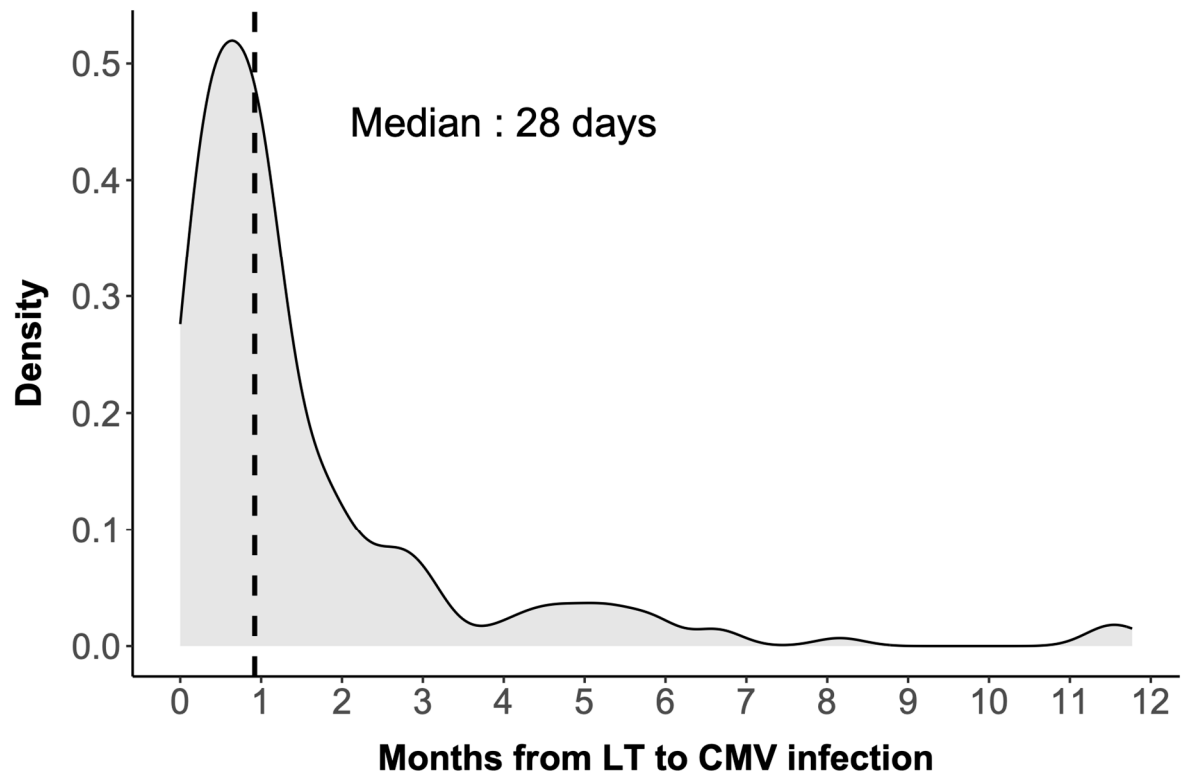**Figure S2. Density plot for days from LDLT to CMV infection.**

Table S1. Uni- and multivariable Cox regression for graft survival

Variables		HR (univariable)	HR (multivariable)
CMV_infection	No	-	-
	Yes	2.50 (1.58-3.95, p<0.001)	1.93 (1.16-3.20, p=0.012)
Age		1.01 (0.98-1.03, p=0.662)	-
Sex	Male	-	-
	Female	1.37 (0.84-2.22, p=0.206)	-
BMI		0.97 (0.90-1.04, p=0.402)	-
LT_year	2012-2015	-	-
	2016-2018	1.05 (0.62-1.81, p=0.846)	-
	2019-2021	1.35 (0.66-2.75, p=0.417)	-
Hypertension	No	-	-
	Yes	1.33 (0.79-2.25, p=0.281)	-
Diabetes_mellitus	No	-	-
	Yes	1.58 (0.99-2.52, p=0.056)	1.33 (0.82-2.16, p=0.251)
Cardiovascular_disease	No	-	-
	Yes	1.85 (0.85-4.03, p=0.124)	-
Underlying_liver_disease	Alcoholic	-	-
	Viral	0.97 (0.56-1.71, p=0.928)	-
	Others	0.96 (0.46-1.97, p=0.906)	-
HCC	No	-	-
	Yes	0.88 (0.55-1.39, p=0.572)	-
Pretransplant_MELD		1.04 (1.02-1.07, p=0.002)	1.02 (0.99-1.06, p=0.240)
Pretransplant_stay	OPD	-	-
	Ward	1.79 (1.12-2.85, p=0.015)	1.63 (0.99-2.67, p=0.055)
	ICU	3.42 (0.82-14.19, p=0.090)	1.48 (0.33-6.70, p=0.613)
Refractory_ascites	No	-	-
	Yes	1.33 (0.64-2.77, p=0.449)	-
Encephalopathy	No	-	-
	Yes	1.04 (0.53-2.02, p=0.919)	-
ABO_incompatibility	No	-	-
	Yes	1.32 (0.80-2.18, p=0.272)	-
Donor_age		1.02 (1.00-1.04, p=0.038)	1.02 (1.00-1.04, p=0.108)
Donor_sex	Male	-	-
	Female	1.20 (0.75-1.92, p=0.440)	-
Donor_BMI		1.04 (0.94-1.14, p=0.464)	-
Macrovesicular_steatosis	<10%	-	-
	>=10%	1.01 (0.56-1.84, p=0.968)	-
OP_time		1.00 (1.00-1.00, p=0.001)	1.00 (1.00-1.01, p=0.002)
Transfusion_RBC		1.03 (1.01-1.05, p=0.007)	0.99 (0.95-1.03, p=0.595)
Reoperation	No	-	-
	Yes	1.75 (0.84-3.65, p=0.136)	-
cr_preLT		1.21 (0.98-1.49, p=0.081)	1.10 (0.81-1.50, p=0.542)
albumin_preLT		1.44 (0.96-2.15, p=0.075)	3.08 (1.80-5.27, p<0.001)
glucose_preLT		1.00 (0.99-1.00, p=0.595)	-
hb_preLT		0.84 (0.75-0.94, p=0.003)	0.78 (0.67-0.90, p=0.001)
plt_preLT		1.00 (0.99-1.00, p=0.541)	-
wbc_preLT		1.01 (0.92-1.10, p=0.844)	-
neutro_preLT		1.01 (0.92-1.12, p=0.788)	-
lympho_preLT		0.62 (0.36-1.07, p=0.086)	0.76 (0.45-1.30, p=0.320)
TAC_mean		1.04 (0.98-1.11, p=0.225)	-
TAC_max		1.03 (1.00-1.06, p=0.091)	1.02 (0.99-1.06, p=0.160)
MMF_use	No	-	-
	Yes	0.92 (0.57-1.47, p=0.725)	-
mTORi_use	No	-	-
	Yes	1.08 (0.50-2.36, p=0.847)	-

Steroid_use	No	-	-
	Yes	1.12 (0.35-3.56, p=0.846)	-

Table S2. Full results of univariable logistic regression for CMV infection

Variables	OR (95% CI)	P
Age	0.98 (0.95-1.00)	0.084
Sex, female	2.31 (1.46-3.67)	0.001
BMI	0.96 (0.89-1.02)	0.187
Year of LT (2012-2015)		
2016-2018	1.00 (0.60-1.67)	1.000
2019-2021	1.00 (0.53-1.89)	1.000
Hypertension	1.28 (0.77-2.13)	0.333
Diabetes mellitus	1.04 (0.66-1.62)	0.877
Cardiovascular disease	1.63 (0.70-3.68)	0.246
Pretransplant MELD	1.09 (1.06-1.12)	0.001
Pretransplant stay (out-patient day)		
Ward	2.15 (1.38-3.36)	0.001
Intensive care unit	10.97 (1.59-216.69)	0.034
Refractory ascites	0.78 (0.35-1.64)	0.532
Severe encephalopathy	2.16 (1.20-3.90)	0.010
ABO incompatibility	1.83 (1.14-2.92)	0.012
Donor age	1.01 (0.99-1.03)	0.470
Donor sex, female	0.84 (0.54-1.31)	0.453
Donor BMI	1.01 (0.92-1.10)	0.875
Macrovesicular steatosis (≥10%)	1.70 (1.00-2.90)	0.050
Operation time, min	1.00 (1.00-1.00)	0.535
Transfusion of RBC, pack	1.03 (1.00-1.07)	0.043
History of re-operation after LT	2.14 (1.03-4.47)	0.040
Creatinine, mg/dL	1.71 (1.16-2.78)	0.017
Albumin, g/dL	0.86 (0.59-1.26)	0.448
Glucose, mg/dL	1.00 (1.00-1.01)	0.077
Hemoglobin, g/dL	0.92 (0.83-1.01)	0.093
Platelet, $10^3/\mu L$	1.00 (1.00-1.00)	0.936
White blood cell, $10^3/\mu L$	1.18 (1.09-1.29)	0.001
Neutrophil, $10^3/\mu L$	1.24 (1.13-1.38)	0.001
Lymphocyte, $10^3/\mu L$	0.76 (0.48-1.16)	0.212
Mean TAC trough level, ng/dL	1.01 (0.94-1.08)	0.817
Maximum TAC trough level, ng/dL	1.01 (0.98-1.05)	0.397
Use of immunosuppressants		

TAC	2.02 (0.29-39.65)	0.533
Mycophenolate mofetil	0.98 (0.63-1.54)	0.940
mTOR inhibitor	0.78 (0.35-1.64)	0.532
Steroid	1.00 (0.38-2.93)	1.000
Acute cellular rejection	1.02 (0.63-1.64)	0.935