

Supplemental Digital Contents Table 1. Univariable and multivariable analysis of predictors of blood stream infections following liver transplantation of younger and older age group

A. pre-operative variables^a

Variables	Age ≤24 months				Age >24 months			
	OR (95%CI) ^b		OR (95%CI) ^c		OR (95%CI) ^b		OR (95%CI) ^c	
	Unadjusted	P value ^b	Adjusted	P value ^c	Unadjusted	P value ^b	Adjusted	P value ^c
Age/month follow this description	0.87 (0.78-0.97)	0.006			1.01 (1.00-1.02)	0.15		
Body weight /kg	0.78 (0.62-0.98)	0.03			1.04 (0.99-1.08)	0.07		
Gender, male	0.86 (0.39-1.94)	0.84			0.74 (0.26-2.13)	0.61		
Underlying diseases								
biliary atresia	[reference]				[reference]			
metabolic diseases	1.99 (0.71-5.61)				0.56 (0.13-2.45)			
acute liver failure	1.19 (0.43-3.32)	0.60			2.40 (0.52-11.19)	0.66		
liver fibrosis	NA				0.60 (0.11-3.34)			
liver cirrhosis	3.24 (0.42-24.70)				1.00 (0.09-11.03)			
vascular abnormalities	0.00 (0.00-0.00)				0.75 (0.07-7.73)			
hepatic tumor	0.00 (0.00-0.00)				0.00 (0.00-0.00)			
Number of operation before LT	0.64 (0.39-1.05)	0.047	0.66 (0.37-1.18)	0.161	0.89 (0.54-1.47)	0.96		
CMV serostatus								
Donor +/- Recipient +	[reference]				[reference]			
Donor +/- Recipient –	2.00 (0.77-5.23)	0.30			1.19 (0.36-3.87)	0.85		
Donor –/ Recipient +	2.67 (0.86-8.27)				1.78 (0.28-11.32)			
Donor –/ Recipient –	1.33 (0.30-5.85)				0.65 (0.12-3.46)			

Pre-operative status								
at home	[reference]	0.62			[reference]	0.35		
hospitalized (general ward)	1.31 (0.14-12.43)				1.10 (0.33-3.71)			
hospitalized (ICU)	2.00 (0.20-19.75)				2.75 (0.63-12.09)			
ABO compatibility								
Identical/compatible	[reference]	0.21	1.67 (0.60-4.65)	0.33	[reference]	0.12	1.28 (0.19-8.70)	0.8
Incompatible	1.95 (0.78-4.87)				3.94 (0.73-21.38)			
Donor age (year)	1.00 (0.94-1.06)	0.68	1.00 (0.94-1.06)	0.96	1.07 (0.98-1.17)	0.11	1.05 (0.95-1.17)	0.33
PELD/MELD score ^d	1.06 (1.02-1.10)	0.002	1.04 (1.00-1.08)	0.037	1.03 (0.98-1.08)	0.27		

B intra and post operative variables ^a

Variables	Age ≤24 months				Age >24 months			
	OR (95%CI) ^b		OR (95%CI) ^c		OR (95%CI) ^b		OR (95%CI) ^c	
	Unadjusted	<i>P</i> value ^b	Adjusted	<i>P</i> value ^c	Unadjusted	<i>P</i> value ^b	Adjusted	<i>P</i> value ^c
Reconstruction of the biliary duct								
Roux-en Y	[reference]	0.61				[reference]	0.69	
choledococholedocostomy	1.83 (0.29-11.48)				1.58 (0.37-6.81)			
Log-Operative time (min); median (IQR)	1.20 (0.24-6.10)	0.75				12.36 (2.17-70.30)	0.008	
Log-blood volume loss during LT (ml/kg); median (IQR)	1.75 (1.09-2.81)	0.02	2.06 (1.15-3.69)	0.02	2.01 (1.13-3.59)	0.04	1.80 (0.93-3.47)	0.08
GRWR (%)	0.93 (0.52-1.67)	0.42				0.29 (0.08-1.11)	0.05	0.26 (0.05-1.22) 0.09
CIT (min)	1.00 (0.99-1.01)	0.55				1.00 (1.00-1.01)	0.91	

WIT (min)	1.03 (0.99-1.07)	0.10			0.98 (0.92-1.05)	0.84		
Positivity of CMV-Ag after LT	1.29 (0.56-2.98)	0.67	1.54 (0.56-4.20)	0.40	5.56 (1.83-16.84)	0.005	6.17 (1.74-21.87)	0.005
Acute Rejection	1.42 (0.64-3.15)	0.42			1.56 (0.55-4.44)	0.42		
Biliary complication	1.67 (0.38-7.38)	0.68			2.59 (0.73-9.13)	0.15		

BSIs, blood stream infections; IQR, interquartile range; CMV, cytomegalovirus; ICU, intensive care unit; PELD, pediatric end-stage liver disease; MELD, model for end-stage liver disease; OR, odd ratio; GRWR, graft to recipient body weight ratio; CIT, cold ischemic time; WIT, warm ischemic time; LT, liver transplantation.

- Univariate (unadjusted) and multivariate (adjusted) ORs are presented.
- P-value from the Fisher's exact test or Mann-Whitney nonparametric test; 95% confidence intervals are based on logistic regression.
- P-value and 95% confidence intervals from multiple logistic regression.
- PELD/MELD score was calculated only cholestatic liver disease (42 in BSIs group and 122 in non-BSIs group).