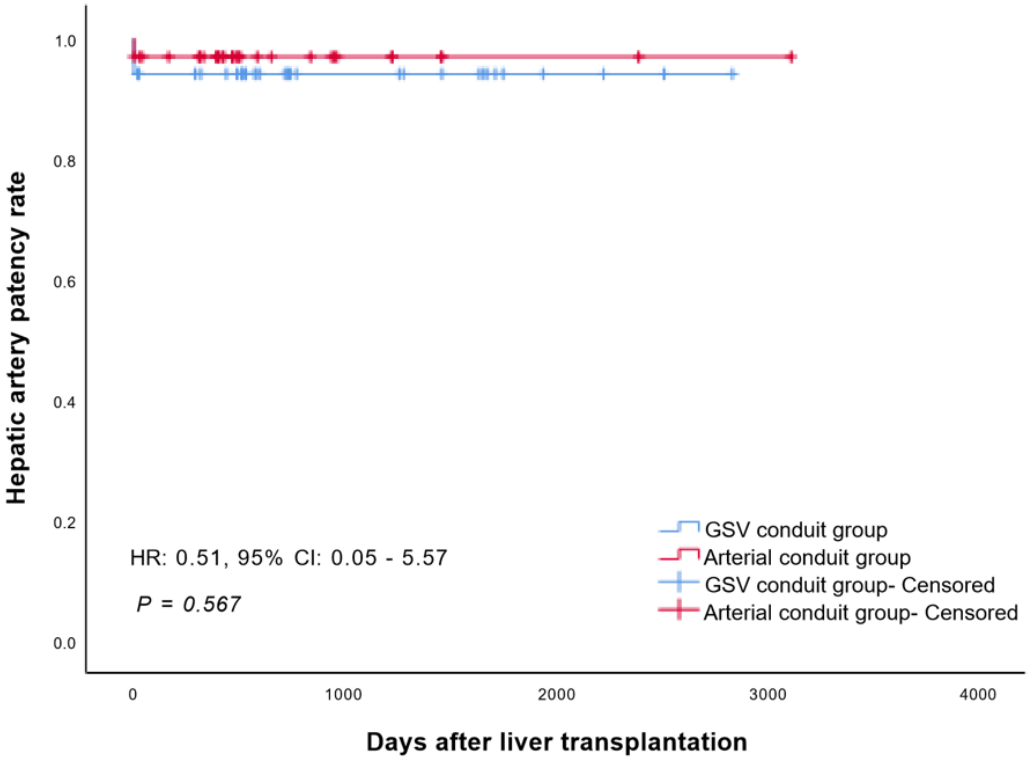
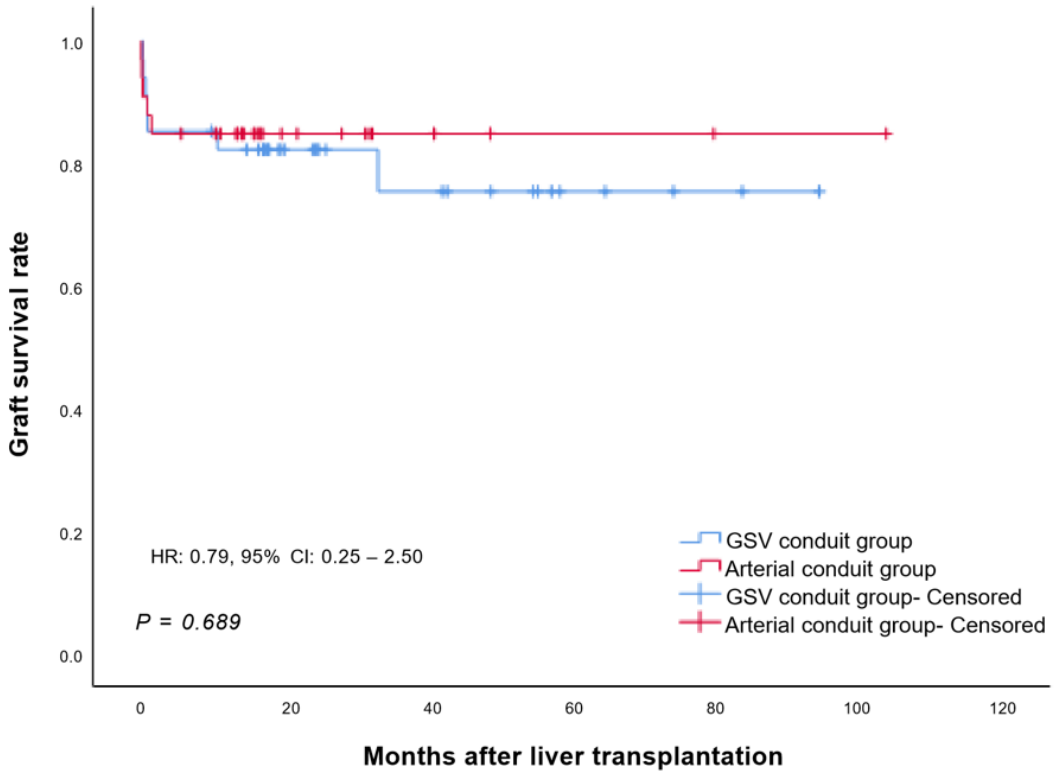
Figure legends



Number at risk

Time	0-day	1-day	7-day	1-year	3-year	5-year	7-year
GSV conduit group	34	32	32	27	12	4	1
Arterial conduit group	33	33	31	25	6	2	1

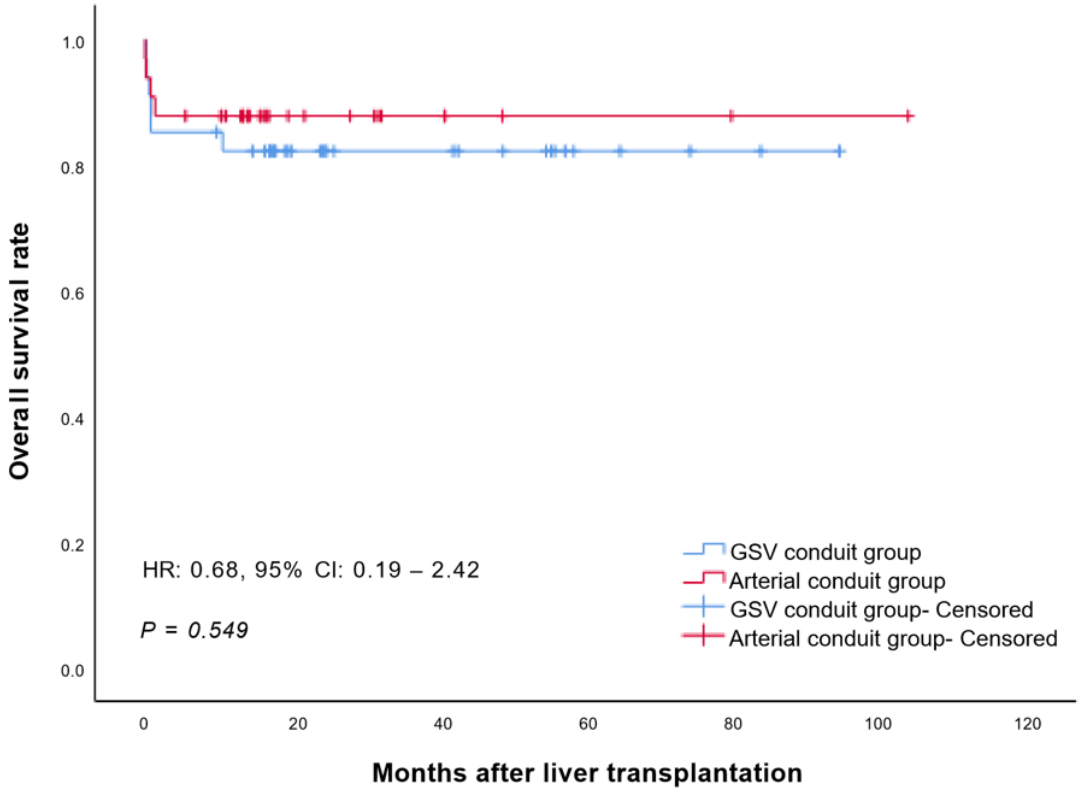
Supplementary Figure 1 Kaplan-Meier survival curves for hepatic artery patency in pediatric living donor liver transplantation. Comparison of the hepatic artery patency rate between the two groups. The table below shows the number of patients at risk at each time point. GSV: Great saphenous vein; HR: Hazard ratio.



Number at risk

Time	0-day	30-day	1-year	3-year	5-year	7-year
GSV conduit group	34	29	27	11	4	1
Arterial conduit group	33	29	24	6	2	1

Supplementary Figure 2 Kaplan-Meier survival curves for graft survival in pediatric living donor liver transplantation. Comparison of the graft survival rate between the two groups. The table below shows the number of patients at risk at each time point. GSV: Great saphenous vein; HR: Hazard ratio.



Number at risk

Time	0-day	30-day	1-year	3-year	5-year	7-year
GSV conduit group	34	29	27	12	4	1
Arterial conduit group	33	30	25	6	2	1

Supplementary Figure 3 Kaplan-Meier survival curves for overall survival in pediatric living donor liver transplantation. Comparison of the overall survival rate between the two groups. The table below shows the number of patients at risk at each time point. GSV: Great saphenous vein; HR: Hazard ratio.

Supplementary Table 1 Univariate analyse for the risk of overall survival

Characteristics	HR	Univariable 95% CI	*P* value
Donor data			
Male	1.70	0.48–6.03	0.410
Age < 32 years	3.18	0.64–15.75	0.157
BMI < 21.45 kg/m^2	1.04	0.26–4.15	0.958

Recipient data			
HAB procedure, GSV conduit	1.47	0.41–5.20	0.552
Male	1.34	0.38–4.76	0.648
Age < 11 months	1.57	0.44–5.55	0.488
Height < 70 cm	1.73	0.43–6.91	0.440
Weight < 9 kg	2.36	0.61–9.14	0.213
Transplantation criteria			
Biliary atresia	REF		
Liver cancer	0.39	0.09–1.76	0.222
Others	0.96	1.93–4.74	0.956
PELD/MELD score < 13	0.36	0.09–1.41	0.144
Graft type	1.12	0.80-1.57	0.499
Left lateral segment			
Reduced left lateral segment			
Extended left lateral segment			
Left lobe			
Right lobe without middle hepatic vein			
Right lobe with middle hepatic vein			
History of TACE	2.27	0.48–10.68	0.301
Graft weight < 245 g	2.09	0.52–8.36	0.297
GRWR < 2.7%	0.30	0.06–1.45	0.135
Blood loss < 375 mL	4.39	0.93–20.66	0.062
Transfusion volume < 575 mL	1.50	0.42–5.31	0.531
Operation time < 8.8 hours	0.70	0.19–2.59	0.587
PV-HART < 65 minutes	1.59	0.38–6.64	0.528
APT < 84 minutes	1.90	0.48–7.60	0.363
CIT < 226 minutes	1.41	0.32–6.29	0.655
WIT < 4 minutes	28.47	0.02–48813.69	0.378
Post-transplant characteristics			
≥ CDC III	5.04	1.07–23.75	0.041[a]
HAT	87.71	8.60–894.49	< 0.001

PGN		46.40	9.54–225.75	< 0.001

[a]$P < 0.05$.

APT: Anhepatic phase time; BMI: Body mass index; CDC: Clavien-Dindo classification; CI: Confidence interval; CIT: Cold ischemia time; GRWR: Graft weight-to-recipient weight ratio; GSV: Great saphenous vein; HAB: Hepatic artery bypass; HAT: Hepatic artery thrombosis; HR: Hazard ratio; MELD: Model for end-stage liver disease; PELD: Pediatric end-stage liver disease; PGN: Primary graft nonfunction; PV-HART: Portal vein-hepatic artery reperfusion time; TACE: Transcatheter arterial chemoembolization; WIT: Warm ischemia time.

Supplementary Table 2 Multivariate analyses for the risk of overall survival

Model	**Characteristics**	**HR**	**Multivariable 95% CI**	***P* value**
Model 1	HAB procedure, GSV conduit	1.47	0.41–5.20	0.552
Model 2	HAB procedure, GSV conduit	0.78	0.22-2.77	0.699
	≥ CDC III	4.92	1.04-23.31	0.045[a]
Model 3	HAB procedure, GSV conduit	0.88	0.24-3.23	0.844
	HAT	84.71	8.14-881.13	< 0.001
Model 4	HAB procedure, GSV conduit	0.85	0.23-3.10	0.805
	PGN	46.10	9.44-225.02	< 0.001

[a]$P < 0.05$.

CDC: Clavien-Dindo classification; CI: Confidence interval; GSV: Great saphenous vein; HAB: Hepatic artery bypass; HAT: Hepatic artery thrombosis; HR: Hazard ratio; PGN: Primary graft nonfunction.