

**Percutaneous recanalization of non-cirrhotic extrahepatic portal vein obstruction in children: technical
considerations in a preliminary cohort
ELECTRONIC SUPPLEMENTARY MATERIAL**

Table S1. Individual baseline clinical data and procedural data.

ID	Age	Sex	Rex recessus patency	Baseline Endoscopy	History of GI bleeding	Baseline platelet count (x10 ³)	Baseline INR	Time between proc. (days)	Proc 1 fluoro time	Proc 1 DAP (Gycm ²)	Proc 1 time	Proc 2 fluoro time	Proc 2 DAP (Gycm ²)	Proc 2 time	Proc 1 access	Proc 2 access	Proc 1 outcome	Proc 2 outcome
1	13	F	no	F2 RC-neg	yes	112	1.5	np	29	140.45	71	np	np	np	Spl	np	failed	np
2	13	F	no	F1 RC-neg	yes	103	1.09	np	135	208.75	228	np	np	np	Spl	np	failed	np
3	14	M	yes	F1 RC-neg	no	72	1.17	64	129	788.14	289	18	112.60	67	Hep + Spl	Spl	PVR + PTA	PTA + stenting
4	7	M	yes	F1 RC-pos	yes	89	1.25	np	115	136.07	209	np	np	np	Spl	np	failed	np
5	5	M	yes	duodenal varices RC-pos	yes	219	1.32	np	126	94.98	358	np	np	np	Hep + Spl	np	failed	np
6	10	F	yes (thin)	F2 RC-neg	yes	81	1.17	np	88	104.08	182	np	np	np	Spl	np	failed	np
7	7	F	yes	F2 RC-pos GV RC-pos	yes	89	1.25	124	124	402.01	313	26	90.93	92	Spl	Spl	PVR + PTA	PTA + stenting
8	4	M	no	F1 RC-neg	yes	80	1.18	np	106	122.69	220	np	np	np	Hep	np	PVR + PTA	np
9	9	M	no	GV RC-pos	yes	129	1.32	5	114	326.30	308	54	236.56	218	Hep + Spl	Spl	PVR + stenting	PVR + PTA
10	1	M	no	F1 RC-pos	yes	174	1.15	21	178	47.02	329	20	17.26	81	Spl	Spl	PVR + PTA	PTA + stenting
11	1	F	yes (thin)	F3 RC-pos	yes	86	1.25	np	166	39.98	284	np	np	np	Spl	np	failed	np

Age expressed in years. Oesophageal and gastric varices graded according to Garcia-Tsao et al [10]. DAP, dose area product; GI, gastrointestinal; GV, gastric varices; Hep, hepatic; INR, international normalized ratio; np, not performed; proc, procedure; PVR, portal vein recanalization; PTA, percutaneous transluminal angioplasty; RC, red colour sign; Spl, splenic.

Table S2. Individual technical details and clinical outcomes data.

ID	Tech success	Final manag.	Catheter microcath. (French)	Guide-wire	PTA balloon extrahepatic	PTA balloon intrahepatic	PV stent	Variceal emboliz.	Complications/ Manag.	Anticoagulation therapy	Imaging follow-up (months)	PV patency	Last platelet count	Last Endoscopy	GI bleed at up
1	no	Splenectomy	Straight 2.7F	Hydroph. 0.035"	np	np	np	yes	none	Prophylactic LMWH (3 months)	4	no	439	np	no
2	no	TIPS	Straight 1.9F	Hydroph. 0.014"-0.018"	np	np	np	yes	none	no	12	no	144	Eradicated	no
3	yes	PVR	Straight 1.9F	Hydroph. 0.014"-0.018"	NC 12 mm x 6 cm	np	Wallstent 12 mm x 4 cm	yes	none	Antiplatelet (continued)	14	yes*	162	F0 RC-neg	no
4	no	Follow up	Straight 1.9F	Hydroph. 0.014"-0.018"	np	np	np	no	none	no	12	no	80	F1 RC-pos GOV1	no
5	no	TIPS	Straight 1.9F	Hydroph. 0.014"-0.018"	np	np	np	no	none	Prophylactic LMWH (3 months)	10	no	113	Eradicated	no
6	no	Follow up	Straight 1.9F	Hydroph. 0.014"-0.018"	np	np	np	no	none	no	0	no	63	np	no
7	yes	PVR	Straight 1.9F	Hydroph. 0.014"-0.018"	NC 10 mm x 6 cm	NC 8 mm x 6 cm	Omnilink Elite 10 mm x 29 mm	no	HA PA/ Emboliz.	LMWH (6 months)	10	yes*	204	np	no

8	yes	PVR	Straight 1.9F	Hydroph. 0.014"-0.018"	NC 10 mm x 6 cm	NC 6 mm x 6 cm	np	yes	none	LMWH (continued)	6	yes	266	Eradicated	no
9	yes	PVR	Straight 1.9F Cobra 1.8F	Hydroph. 0.014"-0.018"	NC 10 mm x 6 cm	NC 8 mm x 6 cm	Omnalink Elite 10 mm x 29 mm	yes	none	LMWH (3 months)	6	yes*	148	np	no
10	yes	PVR	Straight 1.9F	Hydroph. 0.014"-0.018"	NC 8 mm x 4 cm	NC 5 mm x 4 cm	Omnalink Elite 8 mm x 19 mm	no	Hemoperitoneum/conserv.	LMWH (3 months)	6	yes*	170	np	no
11	no	MRS	Straight 1.9F	Hydroph. 0.014"-0.018"	np	np	np	no	none	LMWH (continued)	1	no	154	np	no

Oesophageal and gastric varices graded according to Garcia-Tsao et al. [10]. *primary-assisted patency. GI, gastrointestinal; GOV, gastroesophageal varices; LMWH, low molecular weight heparin; MRS, surgical mesorenal shunt; NC, non-compliant; np, not performed; PA, pseudoaneurysm; proc, procedure; PV, portal vein; PVR, portal vein recanalization; PTA, percutaneous transluminal angioplasty; RC, red colour sign; TIPS, transjugular intrahepatic portosystemic shunt.