

Supplemental Table 1. Patient Characteristics and Univariable Analysis of the Two Study Centers

Variable	All patients	MSKCC	AMC	p Value
Age, mean \pm SD	62.7 \pm 11.1	64.2 \pm 17.4	62.7 \pm 13.3	0.67
Sex				0.46
Female	105 (36.6)	52 (34.4)	53 (39.0)	
Male	182 (63.4)	99 (65.6)	83 (61.0)	
Bismuth classification				0.47
Left or right duct	30 (10.5)	13 (8.6)	17 (12.5)	
1	11 (3.8)	8 (5.3)	3 (2.2)	
2	20 (7.0)	13 (8.6)	7 (5.1)	
3A – right	102 (35.5)	51 (33.8)	51 (37.5)	
3B – left	72 (25.1)	37 (24.5)	35 (25.7)	
4	52 (18.1)	29 (19.2)	23 (16.9)	
Lobar atrophy				0.01
None	172 (59.9)	81 (53.6)	91 (66.9)	
Right	51 (17.8)	26 (17.2)	25 (18.4)	
Left	64 (22.3)	44 (29.1)	20 (14.7)	
Type of liver resection				0.34
Central hepatectomy	3 (1.0)	0 (0)	3 (2.2)	
Left hemihepatectomy	102 (35.5)	53 (35.1)	49 (36.0)	
Left extended hemihepatectomy	36 (12.5)	17 (11.3)	19 (14.0)	
Right hemihepatectomy	46 (16.0)	24 (15.9)	22 (16.2)	
Right extended hemihepatectomy	100 (34.8)	57 (37.7)	43 (31.6)	
Portal vein reconstruction				0.02
No	236 (82.2)	132 (87.4)	104 (76.5)	
Yes	51 (17.8)	19 (12.6)	32 (23.5)	
FLR volume*				0.37
Large >50%	115 (47.3)	53 (43.4)	62 (51.2)	
Intermediate 30-50%	76 (31.3)	39 (32.0)	37 (30.6)	
Small <30%	52 (21.4)	30 (24.6)	22 (18.2)	
Jaundice				0.42
No	46 (16.0)	27 (17.9)	19 (14.0)	
Yes	241 (84.0)	124 (82.1)	117 (86.0)	
FLR drainage*				<0.001
Complete	173 (71.2)	68 (55.7)	105 (86.8)	
Incomplete	70 (28.8)	54 (44.3)	16 (13.2)	

Incomplete drainage + FLR below 50%*				
No	204 (84.0)	91 (74.6)	113 (93.4)	<0.001
Yes	39 (16.0)	31 (25.4)	8 (6.6)	
Preoperative cholangitis*				<0.001
No	213 (76.3)	127 (84.7)	86 (66.7)	
Yes	66 (23.7)	23 (15.3)	43 (33.3)	

Data are presented as number (%), unless stated otherwise.

*The variable cholangitis was missing in 8 patients; FLR assessment was missing in 44 patients.

AMC; Academic Medical Center Amsterdam; FLR, future liver remnant; IQR interquartile range; MSKCC, Memorial Sloan Kettering Cancer Center; SD, standard deviation