

Supplementary file 4: Comparison of outcomes between SARS-CoV-2 Positive and Negative patients
comparing specialist vs. non specialist pancreatic centres

Outcome	Centre	COVID status	Unadjusted Analysis (**)					Adjusted Analysis (*) (***)		
			N	%	Int P.	OR (95% CI)	P	Int. P	OR (95% CI)	
ICU admission	Non-specialist	Negative	753	4.4%	0.18	1	<0.001	0.81	1	0.14
		Positive	68	23.5%		7.19 (3.58, 14.4)				
	Specialist	Negative	614	10.9%		1	0.002	0.78	1	0.33
		Positive	42	26.2%		3.52 (1.60, 7.76)				
30-day mortality	Non-specialist	Negative	728	2.3%	0.47	1	<0.001	0.78	1	0.07
		Positive	62	16.1%		8.04 (3.51, 18.4)				
	Specialist	Negative	600	2.8%		1	0.003	0.78	1	0.30
		Positive	40	12.5%		4.90 (1.71, 14.0)				
Length of hospital stay (*)	Non-specialist	Negative	736	4 [3, 7]	0.21	1	<0.001	0.36	1	<0.001
		Positive	63	9 [5, 17]		2.04 (1.70, 2.45)				
	Specialist	Negative	605	5 [3, 8]		1	<0.001	0.36	1	0.05
		Positive	38	11 [5,20]		1.69 (1.34, 2.13)				
Pancreatic Necrosis	Non-specialist	Negative	623	9.6%	0.76	1	0.007	0.93	1	0.59
		Positive	62	21.0%		2.54 (1.29, 4.99)				
	Specialist	Negative	565	15.0%		1	0.04	0.93	1	0.76
		Positive	41	26.8%		2.16 (1.03, 4.55)				
Acute Pancreatic Fluid Collections	Non-specialist	Negative	622	19.3%	0.31	1	<0.001	0.43	1	0.04
		Positive	62	46.8%		4.05 (2.29, 7.16)				
	Specialist	Negative	568	23.4%		1	0.007	0.43	1	0.50

		Positive	41	43.9%		2.56 (1.30, 5.05)		1.33 (0.59, 3.02)		
Any local complication (#)	Non-specialist	Negative	613	24.3%	0.19	1	<0.001	0.27	1	0.10
		Positive	60	53.3%		3.74 (2.12, 6.57)				
	Specialist	Negative	567	28.0%		1	0.04	1	0.95 (0.39, 2.30)	0.91
		Positive	41	43.9%		2.06 (1.05, 4.05)				
Persistent organ failure	Non-specialist	Negative	764	6.2%	0.64	1	<0.001	0.45	1	0.07
		Positive	60	35.0%		8.10 (4.28, 15.3)				
	Specialist	Negative	574	4.5%		1	<0.001	1	3.60 (1.35, 9.62)	0.01
		Positive	84	19.1%		6.41 (3.06, 13.4)				

(~) Adjusted for: age, sex, smoking status, alcohol aetiology, idiopathic aetiology, unknown aetiology, other aetiology, ECOG, Atlanta classification, necrosectomy and cholecystectomy

(*) Summary statistics are: Median [p75-p25]. Group differences reported as: Ratio (95% CI)

(~) Adjusted for: age, sex, smoking status, alcohol aetiology, idiopathic aetiology, unknown aetiology, other aetiology, ECOG, Atlanta classification, necrosectomy and cholecystectomy

(#) Defined as any of: Collection, Pseudoaneurysm, Pancreatic Pleural Fistula, Enteric Fistula, Pancreatic Ascites, or Portal Vein Thrombus

(~) Adjusted for: age, sex, smoking status, alcohol aetiology, idiopathic aetiology, unknown aetiology, other aetiology, ECOG, Atlanta classification

() (***) 920 patients were managed in specialist centers and 857 patients in non-specialist centers**