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)	P
ICU admission	Non-specialist	Negative Positive	753 68	4.4% 23.5%	0.18	1 7.19 (3.58, 14.4)	<0.001	0.81	1 2.04 (0.79, 5.28)	0.14
	Specialist	Negative Positive	614 42	10.9% 26.2%		1 3.52 (1.60, 7.76)	0.002		1 1.72 (0.58, 5.14)	0.33
30-day mortality	Non-specialist	Negative Positive	728 62	2.3% 16.1%	0.47	1 8.04 (3.51, 18.4)	<0.001	0.78	1 2.66 (0.91, 7.76)	0.07
	Specialist	Negative Positive	600 40	2.8% 12.5%		1 4.90 (1.71, 14.0)	0.003	0.78	1 2.08 (052, 8.26)	0.30
Length of hospital stay (*)	Non-specialist	Negative Positive	736 63	4 [3, 7] 9 [5, 17]	0.21	1 2.04 (1.70, 2.45)	<0.001	0.36	1 1.38 (1.18, 1.63)	<0.001
	Specialist	Negative Positive	605 38	5 [3, 8] 11 [5,20]		1 1.69 (1.34, 2.13)	<0.001		1 1.23 (1.00, 1.51)	0.05
Pancreatic Necrosis	Non-specialist	Negative Positive	623 62	9.6% 21.0%	0.76	1 2.54 (1.29, 4.99)	0.007	0.93	1 0.80 (0.36, 1.79)	0.59
	Specialist	Negative Positive	565 41	15.0% 26.8%		1 2.16 (1.03, 4.55)	0.04		1 0.85 (0.30, 2.42)	0.76
Acute Pancreatic Fluid Collections	Non-specialist	Negative Positive	622 62	19.3% 46.8%	0.31	1 4.05 (2.29, 7.16)	<0.001	0.43	1 2.02 (1.03, 3.99)	0.04
	Specialist	Negative	568	23.4%		1	0.007		1	0.50

rg| Outcome	Center	Result	N	%	p	OR (95% CI) ~	p	Adj. OR (95% CI) ~	p
		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	1	0.10
		Positive	60	53.3%		3.74 (2.12, 6.57)		1.77 (0.89, 3.49)	0.27
	Specialist	Negative	567	28.0%		1	0.04	1	0.91
		Positive	41	43.9%		2.06 (1.05, 4.05)		0.95 (0.39, 2.30)	
Persistent organ failure	Non-specialist	Negative	764	6.2%	0.64	1	<0.001	1	0.07
		Positive	60	35.0%		8.10 (4.28, 15.3)		2.19 (0.93, 5.16)	0.45
	Specialist	Negative	574	4.5%		1	<0.001	1	0.01
		Positive	84	19.1%		6.41 (3.06, 13.4)		3.60 (1.35, 9.62)	

(~) 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

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