Table 1: Association between obstructive jaundice and preoperative patient characteristics in patients undergoing pancreaticoduodenectomy (n=138)

	I	Preopera	tive Serur	n Bilirub	in
	≤ 17	18 - 35	35 - 250	> 250	P
Age ($\leq 65/>65$)	32/33	13/9	16/16	9/10	0.935
Sex (Male/Female)	48/17	14/8	22/10	9/10	0.028
BMI (Normal/Overweight)	30/35	12/10	20/12	7/12	0.82
Smoking (No / Yes)	48/17	12/10	18/14	10/9	0.038
PPS ($\leq 14/>14$)	39/22	16/5	9/23	8/11	0.004
Cardiac disease (No/Yes)	35/28	13/9	17/15	13/6	0.539
Respiratory disease (No/Yes)	57/6	20/2	29/3	18/1	0.664
Bilirary Stent (No/Yes)	29/20	3/12	6/17	18/0	0.201
Cancer (No/Yes)	26/39	3/19	3/29	0/19	< 0.001

Table 2: Association between obstructive jaundice and preoperative biochemical parameters in patients undergoing pancreati-

coduodenectomy (n=138)	omy $(n=138)$				
		Preoperat	Preoperative Serum Bilirubin		
	< 17	18-35	35-250	> 250	Ь
Hb	13(6.1-16.8)	13.2(10.8-15.8)	11.85(9.2-15.5)	11.7(10.3-13.6)	10.001
Hct	0.391(0.201 - 0.484)	0.397 (0.34 - 0.456)	0.355(0.285 - 0.449)	0.355(0.294 - 0.392)	10.001
MCV	90.1(72-109.2)	93.85(88.4-102.5)	92.95(80-104.7)	87.85(61-94.7)	0.001
WCC	7.6(4-12.7)	7.55(5-19.3)	8.15(4.6-11.7)	7(3.9-11.1)	0.591
PT	11(10-14)	11(9-14)	11(9-17)	11(10-16)	0.618
Urea	5(3-11.2)	5.2(3-14.4)	5.5(2.3-9.5)	4.5(1.6-8.6)	0.093
Creatinine	71(49-121)	74.5(54-129)	71(42-140)	65(40-129)	0.221
Sodium	138(131-143)	138(131-142)	138(129-142)	135(128-140)	0.001
Potassium	4.1(3.4-5.1)	4.3(3.8-5.5)	4.1(3-4.8)	3.8(2.9-4.3)	10.001
Chloride	104(97-110)	104(98-112)	104(92-113)	99(92-107)	0.002
AST	21(8-123)	29(17-120)	68.5(20-374)	92.5(33-420)	10.001
ALT	25(6-227)	31(18-239)	86.5(18-671)	95(34-427)	10.001
GGI	81(9-3165)	111(10-916)	263(37 - 1921)	495(51-1881)	10.001
ALP	110(47-1438)	150(69-413)	233(97-1517)	372 (166 - 1432)	10.001
CRP	3.6(0.3-89)	4.3(0.3-135)	6.85(0.7-94)	13(1.7-51)	10.001
Albumin	37(18-46)	36(26-42)	31(19-38)	25(18-33)	10.001

Table 3: Association between obstructive jaundice and preoperative pulmonary function tests in patients undergoing pancre-

ational and a second sec		300-4			
aricognogenecronity					
		Preoperati	Preoperative Serum Bilirubin	n	
	≤ 17	18-35	35-250	> 250	Ь
FVC	4.09 (2.48-6.75)	3.76 (1.5-5.79)	3.76 (2.26-5.96)	.09 (2.48-6.75) 3.76 (1.5-5.79) 3.76 (2.26-5.96) 3.35 (2.36-5.37)	0.092
FEV1	2.95 (1.14-5.27)	2.90 (1.3-4.77)	2.95 (1.14-5.27) 2.90 (1.3-4.77) 2.68 (1.83-3.86)	2.72 (1.31-4.76)	0.556
PREDICTED FEV1 (%)	105.00(36-153)	98.50 (59-148)	$105.00 \; (36-153) 98.50 \; (59-148) 103.00 \; (79-140) 101.00 \; (81-137)$	101.00(81-137)	0.761
$ ext{FEV1/FVC}$	72.00 (29-88)	73.00 (58-86)	75.50 (60-85)	78.00 (55-88)	0.115
PREDICTED FEV1/FVC 94.00 (37-117)	94.00(37-117)	96.00(73-114)	99.00 (77-111)	102.00 (72-112)	0.107

Table 4: Association between obstructive jaundice and CPET in patients undergoing pancreaticoduodenectomy (n=138)

Table 4: Association between obstructive jaundice and CFE1 in patients undergoing pancreaticoduodenectomy (n=138)	structive jaundice ai	nd CPET in patient	s undergoing pancre	aticoduodenectomy (n = 138
		Preoperati	Preoperative Serum Bilirubin		
	≤ 17	18-35	35-250	> 250	Ь
At Anaerobic Threshold					
Load (Watts)	44.34 (0-120)	33.50 (7.33-69)	41.00 (0-68)	38.33 (11-96)	.313
Min Ventilation (VE) (l/min)	25.00(14-41)	$23.04 \ (13-34.5)$	23.00(14-35)	22.00(13-39)	.107
Tidal Volume (litres)	1.26 (0.83-2.37)	1.09 (0.59-1.73)	1.06 (0.54-1.76)	1.08 (0.58-2.02)	.017
VO2 (ml/kg/min)	11.20 (6-16.9)	$10.65\ (7.2-13.3)$	$10.30\ (7.7-16.5)$	9.83 (6.7-17.4)	.033
Heart Rate	$108.25\ (75-149.5)$	$107.25\ (70-139.5)$	101.00 (66.5-136)	$112.33 \ (76.67-153)$.393
Respiratory Rate	$19.00\ (12-36.67)$	22.00(15-31)	$21.00\ (10.33-32)$	19.00 (14.5-26)	.022
At Peak Exercise					
Load	94.00 (48-192)	87.50 (41-134)	73.00 (30-160)	85.00(38-153)	.150
Minute Ventilation(VE) (1/min)	53.50(30-125)	46.50 (25-79)	46.00 (22-88)	48.00(32-100)	990.
Tidal Volume (litres)	$1.95\ (1.22-3.3)$	$1.64 \ (0.82-3.27)$	1.62 (1.05-2.82)	1.86 (1.03-2.71)	.088
VO2 (ml/kg/min)	16.60 (10.2-33.2)	14.80 (10.5-24.7)	15.55 (9.6-28.1)	15.20 (9.8-24.8)	.093

Table 5: Effect of post-PBD obstructive jaundice on an aerobic threshold Post-PBD Bil 35 Post-PBD Bil; 35 p-value $/~i10) \hspace{1.5cm} 21/11 \hspace{1.5cm} 8/9 \hspace{1.5cm} 0.213$

Anaerobic threshold (10 / $;\!10)$

Table 6: The relationship between clinico-pathological characteristics and low anaerobic threshold (¡10 ml/kg/min) in patients

Table 6: The relationship between clinico-pathological characteristics and low anaerobic threshold (10 ml/kg/min	veen clinico Hnivariat	-patholo	ogical ci mltivar	naracteristic iate binary l	s and low	anaerob	ic threshold	(j10 ml/kg/mm
Variable		n (%) n	HR	95% CI	P-value	HR	95% CI	P-value
Clinical Characteristics		,						
Age	65	70						
	99?	89	1.19	0.60 - 2.35	0.628			
Sex	Male	92						
	Female	43	2.74	1.30-5.74	0.008	3.75	1.57 - 8.95	0.003
BMI	25	69						
	5 25	69	3.09	1.51 - 6.32	0.002	3.65	1.61 - 8.26	0.002
Smoking	N_{0}	88						
	Yes	50	1.38	0.68 - 2.79	0.378			
Cardiovascular disease	$N_{\rm o}$	78						
	Yes	58	0.82	0.41 - 1.64	0.569			
Respiratory disease	$N_{\rm o}$	124						
	Yes	12	2.37	0.71-7.91	0.159			
Cancer	$N_{\rm o}$	32						
	Yes	106	3.59	1.36 - 9.43	0.010	4.02	1.33 - 12.16	0.014
POSSUM Physiology Score	14	72						
	5 14	61	2.06	1.02 - 4.17	0.044			0.164
PBD	$N_{\rm o}$	99						
	Yes	49	0.69	0.32 - 1.50	0.347			
Bilirubin (mol/L)	17	65						
	18-35	22	1.49	0.54 - 4.16	0.444			0.911
	36-250	32	2.30	0.95 - 5.56	0.064			0.537
	5250	19	5.66	1.87-17.16	0.002			0.443
Haemoglobin (g/dL)	12	92						
	;12	43	2.74	1.30-5.74	0.008			0.214
CRP (mg/dL)	10	06						
	510	46	2.18	1.06 - 4.51	0.035	2.98	1.29 - 6.86	0.010
Albumin	35	65						
	135	73	1.53	0.76 - 3.05	0.231			
Prothrombin Time	12	117						
	;12	21	2.38	0.93 - 6.12	0.071			