

Effect of preoperative biliary drainage on intraoperative biliary cultures and surgical outcomes after pancreatic resection

Supplementary Table I: Antibiotic sensitivities for intraoperative bile cultures in the POBD group

Orgnaisms cultured	Ampicillin	CoAm	Piptaz	Cefuroxine	Ceftriaxone	Cefoxitin	Ceftazidime	Cefepime	Ciprofloxacin	Gentamycin	Amikacin	Cloxacillin	Vancomycin	Bac	E	M	I
<i>Enterobacter cloacae</i> n = 18	0/18(0)	0/18 (0)	9/12	1/18 (75)	3/6 (50)	0/12 (0)	1/5 (20)	11/13 (85)	16/18 (89)	16/18 (89)	17/18 (94)			17/18 (94)	13/13 (100)	12/12 (100)	12/12 (100)
<i>Enterobacter asburiae</i> n = 1	0/1 (0)	0/1 (0)		0/1 (0)				1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)			1/1 (100)			
<i>Enterobacter aerogenes</i> n = 2	0/2 (0)	0/2 (0)	1/2 (50)	1/2 (50)	1/2 (50)	0/1 (0)	1/2 (50)	1/2 (50)	2/2 (100)	2/2 (100)	2/2 (100)			2/2 (100)	2/2 (100)	1/1 (100)	1/1 (100)
<i>Citrobacter braaki</i> n = 2	0/2	0/2		1/2 (50)	1/1 (100)	0/1			1/1 (100)	2/2 (100)				2/2 (100)	1/1 (100)	1/1 (100)	1/1 (100)
<i>Citrobacter freundii</i> n = 3	0/3 (0)	0/2 (0)	2/2 (100)	2/2 (100)	2/2 (100)	0/3 (0)	2/2 (100)	3/3 (100)	3/3 (100)	3/3 (100)	2/2 (100)			3/3 (100)	3/3 (100)	1/1 (100)	2/2 (100)
<i>Aeromonas sp</i> n = 2	0/2 (0)	0/2 (0)	0/1 (0)	1/1 (100)		1/1 (100)	1/1 (100)	1/1 (100)	2/2 (100)	2/2 (100)	1/1 (100)			2/2 (100)			
<i>Klebsiella pneumoniae</i> n = 16	0/13	9/13	7/9	9/12	8/11	4/4 (100)	4/9	4/9	10/12	10/13	12/12 (100)			9/13	9/10	6/6 (100)	6/6 (100)
<i>Klebsiella oxytoca</i> n = 8	0/8	8/8 (100)	6/6 (100)	8/8 (100)	8/8 (100)	6/6 (100)	6/6 (100)	7/7 (100)	8/8 (100)	8/8 (100)	6/6 (100)			8/8 (100)	7/7 (100)	6/6 (100)	7/7 (100)
<i>Raotella ornitholytica</i> n = 2	0/2 (100)	2/2 (100)		2/2 (100)	2/2 (100)	0/2 (0)			2/2 (100)	2/2 (100)				1/2 (50)	1/1 (100)	1/1 (100)	1/1 (100)
<i>Raotella planticola</i> n = 2	0/2 (0)	1/2 (50)	2/2 (100)	2/2 (100)	2/2 (100)	1/1 (100)	2/2 (100)	2/2 (100)	2/2 (100)	2/2 (100)	2/2 (100)			1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)
<i>Escherichia coli</i> n = 20	8/20 (40)	12/20 (60)	9/11 (81)	16/20 (80)	16/20 (80)	8/8 (100)	13/16 (81)	12/15 (80)	17/20 (85)	16/20 (80)	20/20 (100)			15/17 (88)	14/14 (100)	11/11 (100)	12/12 (100)
<i>Serratia marascens</i> n = 3	0/3 (0)	0/3 (0)	1/1 (100)	0/3 (0)	1/1 (100)	0/3 (0)	1/1 (100)	3/3 (100)	3/3 (100)	3/3 (100)	2/2 (100)			3/3 (100)	2/2 (100)	2/2 (100)	2/2 (100)
<i>Serratia liqefascens</i> n = 1	0/1(0)	0/1 (0)	1/1 (100)	0/1 (0)	1/1 (100)	0/1 (0)	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)			1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)
<i>Pseudomonas aeruginosa</i> n = 3			2/3 (66)				2/3 (66)	2/3 (66)	2/3 (66)	2/3 (66)	2/2 (100)			0/1 (0)		1/2 (50)	1/2 (50)
<i>Pseudomonas putida</i> n = 1			0/1 (0)				1/1 (100)	1/1 (100)	0/1 (0)	0/1 (0)	1/1 (100)			0/1 (0)		1/1 (100)	1/1 (100)
<i>Proteus mirabilis</i> n = 2	1/2 (50)	1/1 (100)		2/2 (100)	1/1 (100)				1/1 (100)	2/2 (100)				2/2 (100)			
<i>Proteus vulgaris</i> n = 1	0/1	0/1	1/1	0/1	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)			1/1 (100)	1/1 (100)	1/1 (100)	
<i>Morganella morganii morganii</i> n = 3	0/3 (0)	0/3 (0)	1/1 (100)	0/3 (0)	0/3 (0)	0/1 (0)	0/1 (0)	1/3 (33)	2/3 (66)	2/3 (66)	2/2 (100)			0/3 (0)	1/1 (100)		
<i>Acinetobacter baumannii complex</i> n = 1							0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)			0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)
Total Gram negatives:	9/83 (10.8)	33/81 (40.7)	42/53 (79.2)	45/69 (65.2)	47/61 (77.0)	21/45 (46.7)	36/51 (70.6)	51/65 (78.5)	74/84 (88.1)	75/87 (86.2)	72/74 (97.3)			68/80 (85.0)	56/56 (100)	46/47 (97.9)	48/49 (98.0)
<i>Enterococcus faecalis</i> n = 9	9/9 (100)													6/6 (100)			
<i>Enterococcus hiare</i> n = 1	1/1 (100)																
<i>Staphylococcus haemolyticus</i> n = 1	0/1 (0)											0/1 (0)	1/1 (100)	0/1 (0)			
<i>Streptococcus anginosus</i> n = 0																	
Total Gram positive:	10/11 (90.1)											0/1 (0.0)	7/7 (100)	0/1 (0)			
Total All cultures:	19/94 (20.2)													68/81 (84.0)			

CoAm – Co-amoxiclav, Piptaz – Piperacilin and tazobatim, Bac- Sulfamethoxazole and trimethoprimcotim, E – Ertapenem, M- Meropenem, I-Imipenem

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Supplementary Table II: Antibiotic sensitivities for intraoperative bile cultures in the non-POBD group

	Ampi	CoAm	Piptaz	Cefuroxime	Ceftriaxone	Cefoxitin	Ceftazidime	Cefepime	Cipro	Genta	Amik	Clox	Vanco	Bac	E	M	I
<i>Enterobacter cloacae</i> n = 4	0/4 (0)	0/4 (0)	2/3 (66)	0/4 (0)	0/1 (0)	0/3 (0)	1/3 (33)	2/3 (67)	4/4 (100)	4/4 (100)	2/2 (100)			4/4 (100)	2/2 (100)	2/2 (100)	2/2 (100)
<i>Enterobacter asburiae</i> n = 0																	
<i>Enterobacter aerogenes</i> n = 1	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	1/1 (100)	1/1 (100)	1/1 (100)				1/1 (100)	1/1 (100)		
<i>Citrobacter braaki</i> n = 1	0/1 (0)	0/1 (0)				0/1 (0)		0/1 (0)	1/1 (100)	1/1 (100)				1/1 (100)	1/1 (100)		
<i>Citrobacter freundii</i> n = 0																	
<i>Aeromonas sp</i> n = 0																	
<i>Klebsiella pneumoniae</i> n = 3	0/3 (0)	0/3 (0)	0/2 (0)	0/3 (0)	0/3 (0)		0/2 (0)	0/3 (0)	0/3 (0)	0/3 (0)	3/3 (100)			2/2 (100)	3/3 (100)	2/2 (100)	1/1 (100)
<i>Klebsiella oxytoca</i> n = 2	0/2 (0)	2/2 (100)		1/2 (50)	1/1 (100)		0/1 (0)	0/1 (0)	2/2 (100)	2/2 (100)				2/2 (100)	1/1 (100)		
<i>Raolteilla ornitholytica</i> n = 0																	
<i>Raolteilla planticola</i> n = 0																	
<i>Escherichia coli</i> n = 1	0/1 (0)	0/1 (0)		0/1 (0)	0/1 (0)		0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)	0/1 (0)			1/1 (100)	1/1 (100)	1/1 (100)	1/1 (100)
<i>Serratia marascens</i> n = 1	0/1 (0)	0/1 (0)		0/1 (0)				1/1 (100)	1/1 (100)	1/1 (100)				1/1 (100)	1/1 (100)		
<i>Serratia liqefascens</i> n = 0																	
<i>Pseudomonas aeruginosa</i> n = 0																	
<i>Pseudomonas putida</i> n = 0																	
<i>Proteus mirabilis</i> n = 1	0/1	1/1	1/1	1/1	1/1			1/1	1/1	1/1	1/1			0/1	1/1	1/1	
<i>Proteus vulgaris</i> n = 1	0/0	1/1		0/1	1/1				1/1	1/1				1/1			1/1
<i>Morganella morganii morganii</i> n = 0																	
<i>Acinetobacter baumannii complex</i> n = 0																	
Total gram negatives:	0/12 (0)	4/15 (26.7)	3/7 (42.9)	2/14 (14.3)	3/9 (33.3)	0/5 (0)	1/8 (12.5)	5/12 (41.7)	9/13 (69.2)	11/12 (91.7)	6/7 (85.7)			13/14 (92.9)	11/11 (100)	6/6 (100)	5/5 (100)
<i>Enterococcus faecalis</i> n = 3	3/3												2/2				
<i>Enterococcus hiare</i> n = 1	1/1												1/1				
<i>Staphylococcus haemolyticus</i> n = 1																	
<i>Streptococcus anginosus</i> n = 1	1/1																
Total Gram positives:	5/5 (100)												3/3 (100)				
Total All Cultures:	5/17 (29.4)																

CoAm – Co-amoxiclav, Piptaz – Piperacilin and tazobatim, Bac- Sulfamethoxazole and trimethoprimcotim, E – Ertapenem, M- Meropenem, I-Imipenem