

Supplemental Digital Content Table 1. Comparison of Cases of Biliary with Non-biliary Pancreatitis in Children

	<u>Biliary</u> Cases=76	<u>Non-biliary</u> Cases=195	<u>p-value</u>
Characteristics			
Mean Age In Years (SD)	14.2 (5.1)	13.4 (5.6)	0.227
Female (% within group, n)	64.5 (49)	58.2 (113)	0.348
Ethnicity (% , n)			0.001 [^]
White	48.0 (36)	64.6 (124)	
Black	17.3 (13)	20.8 (40)	
Hispanic	30.7 (23)	10.9 (21)	
Other	4.0 (3)	3.6 (7)	
Median weight-for-age percentile (IQR)*	77.7 (26.7-94.3)	56.8 (26.6-83.2)	0.069
>95 percentile (% , n)*	21.7 (15)	13.3 (24)	0.099
85-95 percentile (% , n)*	20.3 (14)	10.5 (19)	0.041 [^]
0-85 percentile (% , n)*	58.0 (40)	76.2 (138)	0.004 [^]
Signs & Symptoms (% within group, n)			
Abdominal Pain	94.7 (71)	93.0 (174)	0.785
Epigastric Tenderness	93.2 (69)	87.1 (162)	0.155
Nausea/Vomiting	73.0 (54)	78.4 (145)	0.352
Chemistries: Median (IQR)			
Amylase (-fold increase above ULN)	3.60 (1.29-8.73)	2.20 (1.29-4.67)	0.047 [†]
Lipase (-fold increase above ULN)	14.67 (4.33-50.23)	9.87 (4.13-25.77)	0.036 [†]
AST (mg/dL)	65.50 (23.00-147.25)	29.00 (18.00-45.00)	<0.001 [†]
Total Bilirubin (mg/dL)	0.76 (0.40-2.96)	0.42 (0.26-0.68)	<0.001 [†]
Calcium (mg/dL)**	9.56 (4.00)	10.43 (10.71)	0.554
Glucose (mg/dL)**	119.69 (50.64)	150.57 (187.03)	0.076
Radiology Performed (% within group, n)	92.1 (70)	79.5 (155)	0.013 [^]
Modality (% of cases undergoing the following, n)			
US	84.3 (59)	80.6 (125)	0.513
CT scan	30.0 (21)	45.2 (70)	0.032 [^]
MRCP	12.9 (9)	1.3 (2)	0.001 ^{††}
ERCP	27.1 (19)	10.3 (16)	0.001 [^]
Hospital Management Trends			
Median Length of Stay (n days, range)	5 (0-110)	4 (0-113)	0.229
GI Consult Ordered (% within group, n)	79.4 (58)	74.7 (142)	0.422
NPO at Admission (% within group, n)	95.9 (71)	91.4 (170)	0.204
Median Time to Nutrition after NPO (n days, range)	2 (0-7)	2 (0-9)	0.006 [†]
Modality of Nutrition after NPO (% within group, n)			
Oral (PO)	70.4 (50)	72.4 (123)	0.761
Parenteral	28.2 (20)	22.9 (39)	0.390
Enteral	1.4 (1)	4.7 (8)	0.289

*Age-adjusted, **Calcium and Glucose was missing in 26.2% and 28.8% of cases, respectively.

[^] Pearson chi-square test, [†]Wilcoxon rank sum test, ^{††}Fisher's exact test

Supplemental Digital Content Table 2. <i>Comparison of Cases of Biliary Pancreatitis in Younger versus Older Children</i>			
	<u>Age Sub-Classification (yr)</u>		<u>p-Value</u>
	<i>0 to 10</i>	<i>11 to 20</i>	
	Cases=15	Cases=61	
Characteristics			
Mean Age in Years (SD)	5.8 (3.7)	16.3 (2.8)	-
Female (% , n)	53.3 (8)	67.2 (41)	0.314
Signs & Symptoms (% within group, n)			
Abdominal Pain	80.0 (12)	98.3 (59)	0.029 [†]
Epigastric Tenderness	86.7 (13)	94.9 (56)	0.575
Nausea/Vomiting	53.3 (8)	78.0 (46)	0.100
Median weight-for-age percentile (IQR)*	83.9 (19.7-94.2)	69.7 (27.9-94.4)	0.914
>95 percentile (% , n)*	15.4 (2)	23.2 (13)	0.718
85-95 percentile (% , n)*	30.8 (4)	17.9 (10)	0.443
0-85 percentile (% , n)*	53.8 (7)	58.9 (33)	0.738
Etiologies (% within group, n)**			
Gallstone	31.3 (5)	57.8 (37)	0.057
Microlithiasis	25.0 (4)	21.9 (14)	0.745
Sphincter of Oddi dysfunction	0 (0)	6.3 (4)	0.700
Pancreas divisum	0 (0)	6.3 (4)	0.700
Other/Structural	43.7 (7)	7.8 (5)	0.001 [†]
* Age-Adjusted, ** Several cases had multiple pancreatitis etiologies			
[†] Fisher's Exact Test			