

Supplementary material

Table S1 The statistical description of the increase-folds of TBIL, increase-folds of CA19-9 and the ratio of increase-folds of CA19-9 to increase-folds of TBIL in MOJ and BOJ

	TBIL		CA19-9		Ratio	
	MOJ	BOJ	MOJ	BOJ	MOJ	BOJ
Minimum	1.10	1.05	0.02	0.02	0.00	0.00
25% Percentile	3.58	2.38	2.95	0.57	0.61	0.14
Median	6.26	4.80	10.67	1.56	1.84	0.35
75% Percentile	9.57	8.02	28.82	4.00	5.56	0.84
Maximum	23.27	25.50	2934.00	30.50	1646.00	6.66
Mean	7.10	5.95	76.52	3.55	14.96	0.79
Std. Deviation	4.62	4.63	278.20	5.26	93.35	1.20
Std. Error	0.25	0.36	15.04	0.41	5.05	0.09
Lower 95% CI	6.61	5.24	46.93	2.74	5.04	0.61
Upper 95% CI	7.60	6.66	106.10	4.35	24.89	0.98
<i>P</i> value		0.0085		<0.0001		0.0053

Table S2 The statistical description of the increase-folds of TBIL, increase-folds of CA19-9 and the ratio of increase-folds of CA19-9 to increase-folds of TBIL in different etiologies of MOJ

	TBIL			CA19-9			Ratio		
	Cholangiocarcinoma	Pancreatic adenocarcinoma	Peri-ampullar adenocarcinoma	Cholangiocarcinoma	Pancreatic adenocarcinoma	Peri-ampullar adenocarcinoma	Cholangiocarcinoma	Pancreatic adenocarcinoma	Periampullar adenocarcinoma
Minimum	1.00	1.00	1.23	0.00	0.00	0.02	0.01	0.00	0.00
25% Percentile	4.00	4.00	2.93	3.00	3.00	2.40	0.55	0.58	0.61
Median	7.00	6.00	4.41	12.00	12.00	5.41	1.55	2.28	1.68
75% Percentile	11.00	8.00	8.65	28.00	31.00	26.67	5.39	5.71	5.50
Maximum	22.00	23.00	19.73	1539.00	2706.00	2934.00	186.00	1646.00	148.70
Mean	7.95	6.66	6.14	67.54	89.00	81.16	7.88	25.36	9.22
Std. Deviation	4.83	4.13	4.69	190.30	312.40	367.20	21.40	144.40	23.57
Std. Error	0.44	0.35	0.58	17.60	26.50	45.54	1.97	12.29	2.92
Lower 95% CI	7.07	5.97	4.98	32.68	36.60	9.82	3.98	1.05	3.38
Upper 95% CI	8.83	7.35	7.31	102.40	141.40	172.10	11.79	49.67	15.06
P value			0.0163			<0.0001			>0.05

Table S3 The statistical description of the increase-folds of TBIL, increase-folds of CA19-9 and the ratio of increase-folds of CA19-9 to increase-folds of TBIL in different etiologies of BOJ

	TBIL					CA19-9					Ratio				
	Chole-	IRSC	PSC	Stricture	Adenoma	Chole-	IRSC	PSC	Stricture	Adenoma	Chole-	IRSC	PSC	Stricture	Adenoma
Minimum	1.05	1.06	2.16	1.09	1.44	0.02	0.02	0.35	0.09	0.20	0.01	0.00	0.02	0.02	0.02
25% Percentile	2.25	2.25	4.68	2.47	2.16	0.59	0.55	0.90	0.55	0.52	0.19	0.12	0.09	0.14	0.10
Median	4.05	5.05	9.07	3.54	6.23	2.07	1.30	3.45	1.58	1.15	0.44	0.27	0.49	0.38	0.28
75% Percentile	5.50	9.02	20.18	5.52	9.43	4.01	3.67	6.19	2.57	3.34	0.86	0.89	0.63	0.77	0.38
Maximum	19.83	20.99	25.50	9.94	12.42	30.50	21.54	10.31	18.11	4.43	5.85	6.66	1.92	5.71	2.40
Mean	4.56	6.25	11.47	4.17	6.70	3.82	3.17	3.77	2.93	1.69	0.90	0.73	0.51	0.83	0.44
Std. Deviation	3.49	4.45	8.00	2.53	3.93	6.30	4.53	3.07	4.76	1.49	1.32	1.14	0.52	1.50	0.68
Std. Error	0.50	0.51	2.31	0.70	1.18	0.91	0.52	0.89	1.27	0.47	0.19	0.13	0.15	0.42	0.20
Lower 95% CI	3.55	5.24	6.39	2.64	4.06	1.99	2.14	1.82	0.18	0.62	0.51	0.47	0.18	-0.076	-0.017
Upper 95% CI	5.58	7.27	16.55	5.70	9.34	5.65	4.21	5.72	5.68	2.75	1.28	0.99	0.83	1.74	0.89
P value					<0.0001					>0.05					>0.05

Chole-, cholelithiasis; Stricture, inflammatory stricture; IRSC, IgG4 related sclerosing cholangitis; PSC, Primary sclerosing cholangitis.