

Table (1): Demographic and lab characteristics of the two studied groups.

Demographic feature		Group I(CCA)	Group II (Benign)	P value
Males		21(70%)	16(53.3%)	0.248
Age (years)		69.0±4.68	56.0±6.47	<0.001
Etiology	Bile duct stones	----	18	-----
	Benign stricture		11	
	Cholangitis		2	
Laboratory parameters (mean ±SD)				
Bilirubin	Total	13.65±3.73	8.24±5.64	<0.001
	Direct	9.61±3.14	2.38±4.12	<0.001
ALT		73.6±34.27	91.0±90.51	0.188
AST		51.2±27.93	65.75±57.8	0.235
ALP (U/ml)		571.65±228.38	356.0±153.28	<0.001
Albumin (g/dL)		3.7±0.62	3.7±0.54	0.154
PC (%)		91±8	96±11	0.217
CA19-9 ug/ml		470.65±149.80	18.65±8.34	<0.001
CEA ng/ml		83.60±17.85	4.09±0.97	<0.001

ALT: Alanine transferase, AST: Aspartate transferase, ALP: alkaline phosphatase; PC: prothrombin concentration; CA19-9: carbonic anhydrase 19-9; CEA: carcino-embryonic antigen; SD: standard deviation.