

Supplementary Table S2. Descriptive statistics of studied samples (n=551)

Characteristics	Control	OV+HBA-	OV+HBA+	CCA
Total, n (%)	122 (22)	140 (25.4)	144 (26.1)	145 (26.3)
Mean age in years (SD)	50.7 (7.1)	51 (7.1)	50.5 (6.6)	54.1 (9.6)
Range in years	30-60	30-60	30-60	30-74
Gender, n (%)				
Male	65 (53.3)	75 (53.6)	79 (54.9)	80 (55.2)
Female	57 (46.7)	65 (46.4)	65 (45.1)	65 (44.8)
OV status, n (%)				
Negative	122 (100)	NA	NA	21 (14.5)
Positive	NA	140 (100)	144 (100)	95 (65.5)
Missing data	0 (0)	0 (0)	0 (0)	29 (20)
HBA grade, n (%)				
No HBA	122 (100)	140 (100)	NA	NA
HBA+2	NA	NA	75 (52.1)	NA
HBA+3	NA	NA	69 (47.9)	NA
Cancer type, n (%)				
Well differentiated ACA	NA	NA	NA	45 (31)
Moderately differentiated ACA	NA	NA	NA	33 (22.7)
Poorly differentiated ACA	NA	NA	NA	23 (15.9)
Papillary ACA	NA	NA	NA	37 (25.5)
Adenosquamous CA	NA	NA	NA	5 (3.5)
Squamous cell CA	NA	NA	NA	2 (1.4)
Growth type, n (%)				
Mass-forming	NA	NA	NA	74 (51)
Intraductal	NA	NA	NA	15 (10.4)
Hilar	NA	NA	NA	31 (21.4)
Missing data	0 (0)	0 (0)	0 (0)	25 (17.2)

ACA, adenocarcinoma; CA, carcinoma; OV, *O. viverrini*; HBA, hepatobiliary abnormalities; CCA, cholangiocarcinoma; NA, not applicable; SD, standard deviation.