

Supplementary Table 2. Characteristics of the studies included in the systematic review and meta-analysis

Study name and year	Country	Design	Total patients (n)	Pt with cirrhosis	Patients without cirrhosis
Yang et al., ¹⁰ 2022	China	Retrospective cohort	131	131	0
Bernshsteyn et al., ¹¹ 2021	USA	Retrospective case-control	692	174	518
Hong et al., ¹² 2020	China	Retrospective case-control	208 (270 ERCP)	226	44
Kundumadam et al., ¹³ 2020	USA	Retrospective cohort	80	80	0
Yoo et al., ¹⁵ 2019	USA	Retrospective cohort	77 (63 ERCP)	77	0
Jagtap et al., ¹⁶ 2019	India	Retrospective cohort	261	261	0
Kim et al., ¹⁴ 2019	South Korea	Retrospective case-control	768	192	576
Leal et al., ¹⁷ 2019	Spain	Retrospective case-control	158 (441 ERCP)	158	283
Peiseler et al., ¹⁹ 2018	Germany	Retrospective case-control	208 (663 ERCP)	70 (250)	138
Lee et al., ¹⁸ 2018	South Korea	Retrospective case-control	146	146	0
Macías-Rodríguez et al., ²⁰ 2017	Mexico	Retrospective case-control study	74	37	37
Navaneethan et al., ⁷ 2017	USA	Retrospective case-control	16,140	3,228	12,912
Inamdar et al., ²² 2016	USA	Retrospective case-control	7,720	1,930	5,790
Gill et al., ²⁴ 2016	Pakistan	Retrospective case-control	200	100	100
Churrango et al., ²³ 2016	USA	Retrospective cohort	194	194	0
Adler et al., ²¹ 2016	USA	Retrospective cohort	328 (538 ERCPs)	328 (538 ERCPs)	0
Zhang et al., ⁶ 2015	China	Retrospective cohort	77	77	0
Li et al., ²⁵ 2014	China	Retrospective cohort	146	46	100
Ma et al., ²⁶ 2013	China	Retrospective cohort	41	41	0
Artifon et al., ²⁷ 2011	Brazil	Retrospective case-control	105	105	0
Park et al., ²⁸ 2004	South Korea	Retrospective case-control	41	41	0
Prat et al., ³⁰ 1996	France	Retrospective cohort	52	52	0
Freeman et al., ²⁹ 1996	USA	Retrospective case-control	64	64	0
Sugiyama et al., ³¹ 1993	Japan	Retrospective cohort	7	7	0

ERCP, endoscopic retrograde cholangiopancreatography.