Supplementary Table 1. Full Search Strategies  (all searched performed 1 October 2023)

Embase (Embase.com, Elsevier)

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| No. | Query | Results |
| #1 | 'endoscopic retrograde cholangiopancreatograph\*' OR 'e.r.c.p.' OR 'endoscopic cholangiograph\*' OR 'endoscopic cholangiopancreatograph\*' OR 'endoscopic pancreatocholangiograph\*' OR 'endoscopic pancreatograph\*' OR 'endoscopic retrograde cholangiograph\*' OR 'endoscopic retrograde pancreaticocholangiograph\*' OR ercp\* OR 'retrograde cholangiopancreatograph\*' OR 'retrograde endoscopic cholangiograph\*' OR 'retrograde endoscopic cholangiopancreatograph\*' OR 'endoscopic retrograde cholangiopancreatography'/exp | 50447 |
| #2 | fail\* OR unsuccessful\* OR salvag\* OR 'not successful\*' OR 'treatment failure'/de OR 'salvage therapy'/de | 2410833 |
| #3 | #1 AND #2 | 7940 |
| #4 | 'endoscopic ultrasound guided rendezvous technique'/exp OR 'eusrv' OR 'eus-rv' OR 'eus guided rendezvous\*' OR 'eus rendezvous\*' OR 'ultrasound guided rendezvous\*' OR 'eus guided rendez vous\*' OR 'eus rendez vous\*' OR 'ultrasound guided rendez vous\*' OR ((rendezvous OR 'rendez vous') AND ('interventional ultrasonography'/exp OR 'endoscopic ultrasonography'/exp OR echoendoscop\* OR 'endoscopic echograph\*' OR 'endoscopic ultrasonograph\*' OR 'endoscopic ultrasound\*' OR endosonograph\* OR 'eus' OR 'interventional ultrasonograph\*' OR 'interventional ultrasound\*' OR 'intravascular ultrasonograph\*' OR 'echo endoscop\*' OR 'ultrasonic endoscop\*')) | 602 |
| #5 | #3 AND #4 | 358 |
| #6 | #5 NOT ([animals]/lim NOT [humans]/lim) NOT ('conference review'/it OR 'editorial'/it OR 'letter'/it OR 'note'/it OR 'review'/it OR 'short survey'/it OR 'tombstone'/it OR 'case report'/de OR 'meta analysis'/de OR 'meta analysis topic'/de OR 'systematic review'/de OR 'systematic review topic'/de) | 254 |
| #7 | second OR repeat\* OR 'repeat procedure'/exp | 2530956 |
| #8 | #6 AND #7 | 47 |

MEDLINE (PubMed, National Center for Biotechnology Information, National Library of Medicine)

|  |  |  |
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| No. | Query | Results |
| 1 | endoscopic-retrograde-cholangiopancreatograph\* OR "e.r.c.p." OR endoscopic-cholangiograph\* OR "Cholangiopancreatography, Endoscopic Retrograde"[Mesh] OR endoscopic-cholangiopancreatograph\* OR endoscopic-pancreatocholangiograph\* OR endoscopic-pancreatograph\* OR endoscopic-retrograde-cholangiograph\* OR endoscopic-retrograde-pancreaticocholangiograph\* OR ERCP\* OR retrograde-cholangiopancreatograph\* OR retrograde-endoscopic-cholangiograph\* OR retrograde-endoscopic-cholangiopancreatograph\* | 25,487 |
| 2 | "Treatment Failure"[Mesh] OR "Salvage Therapy"[Mesh] OR fail\* OR unsuccessful\* OR salvag\* OR not-successful\* | 1,504,097 |
| 3 | #1 AND #2 | 3,212 |
| 4 | "EUSRV" OR "EUS-RV" OR EUS-guided-rendezvous\* OR EUS-rendezvous\* OR ultrasound-guided-rendezvous\* OR EUS-guided-rendez-vous\* OR EUS-rendez-vous\* OR ultrasound-guided-rendez-vous\* OR ((rendezvous OR rendez-vous) AND ("Ultrasonography, Interventional"[Mesh] OR "Endosonography"[Mesh] OR echoendoscop\* OR endoscopic-echograph\* OR endoscopic-ultrasonograph\* OR endoscopic-ultrasound\* OR endosonograph\* OR "eus" OR interventional-ultrasonograph\* OR interventional-ultrasound\* OR intravascular-ultrasonograph\* OR echo-endoscop\* OR ultrasonic-endoscop\*)) | 230 |
| 5 | #3 AND #4 | 109 |
| 6 | #5 NOT ("animals"[mesh] NOT "humans"[mesh]) NOT ("case reports"[Publication Type] OR "comment"[Publication Type] OR "editorial"[Publication Type] OR "guideline"[Publication Type] OR "introductory journal article"[Publication Type] OR "meta analysis"[Publication Type] OR "news"[Publication Type] OR "retracted publication"[Publication Type] OR "review"[Publication Type] OR "systematic review"[Publication Type]) | 68 |
| 7 | Second[tw] OR repeat\* | 1,711,035 |
| 8 | #6 AND #7 | 7 |

Cochrane Central Register of Controlled Trials (CochraneLibrary.com platform, Wiley, Issue 7 of 12, July 2022)

|  |  |  |
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| ID | Search | Hits |
| #1 | endoscopic-retrograde-cholangiopancreatograph\* OR "e.r.c.p." OR endoscopic-cholangiograph\* OR [mh "Cholangiopancreatography, Endoscopic Retrograde"] OR endoscopic-cholangiopancreatograph\* OR endoscopic-pancreatocholangiograph\* OR endoscopic-pancreatograph\* OR endoscopic-retrograde-cholangiograph\* OR endoscopic-retrograde-pancreaticocholangiograph\* OR ERCP\* OR retrograde-cholangiopancreatograph\* OR retrograde-endoscopic-cholangiograph\* OR retrograde-endoscopic-cholangiopancreatograph\* | 2552 |
| #2 | [mh "Treatment Failure"] OR [mh "Salvage Therapy"] OR fail\* OR unsuccessful\* OR salvag\* OR "not successful" OR "not successfully" | 151393 |
| #3 | #1 AND #2 | 456 |
| #4 | EUSRV OR "EUS-RV" OR EUS-guided-rendezvous\* OR EUS-rendezvous\* OR ultrasound-guided-rendezvous\* OR EUS-guided-rendez-vous\* OR EUS-rendez-vous\* OR ultrasound-guided-rendez-vous\* OR ((rendezvous OR rendez-vous) AND ([mh "Ultrasonography, Interventional"] OR [mh "Endosonography"] OR echoendoscop\* OR endoscopic-echograph\* OR endoscopic-ultrasonograph\* OR endoscopic-ultrasound\* OR endosonograph\* OR "eus" OR interventional-ultrasonograph\* OR interventional-ultrasound\* OR intravascular-ultrasonograph\* OR echo-endoscop\* OR ultrasonic-endoscop\*)) | 76 |
| #5 | #3 AND #4 | 11 |
| #6 | Second OR repeat\* | 187753 |
| #7 | #5 AND #6 | 5 |
|  | Trials matching "#7 - #5 AND #6" | 2 |

Web of Science Core Collection (Web of Science Platform, Clarivate, Editions = Arts & Humanities Citation Index, Emerging Sources Citation Index [previous 5 years], Conference Proceedings Citation Index, Science Citation Index-EXPANDED ,  and Social Science Citation Index)

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| endoscopic-retrograde-cholangiopancreatograph\* OR "e.r.c.p." OR endoscopic-cholangiograph\* OR endoscopic-cholangiopancreatograph\* OR endoscopic-pancreatocholangiograph\* OR endoscopic-pancreatograph\* OR endoscopic-retrograde-cholangiograph\* OR endoscopic-retrograde-pancreaticocholangiograph\* OR ERCP\* OR retrograde-cholangiopancreatograph\* OR retrograde-endoscopic-cholangiograph\* OR retrograde-endoscopic-cholangiopancreatograph\* (Topic) and fail\* OR unsuccessful\* OR salvag\* OR not-successful\* (Topic) and "EUSRV" OR "EUS-RV" OR EUS-guided-rendezvous\* OR EUS-rendezvous\* OR ultrasound-guided-rendezvous\* OR EUS-guided-rendez-vous\* OR EUS-rendez-vous\* OR ultrasound-guided-rendez-vous\* OR ((rendezvous OR rendez-vous) AND (echoendoscop\* OR endoscopic-echograph\* OR endoscopic-ultrasonograph\* OR endoscopic-ultrasound\* OR endosonograph\* OR "eus" OR interventional-ultrasonograph\* OR interventional-ultrasound\* OR intravascular-ultrasonograph\* OR echo-endoscop\* OR ultrasonic-endoscop\*)) (Topic) and Second OR repeat\* (Topic) and Review Article or Case Report or Editorial Material or Reference Material or Letter or Report (Exclude – Document Types) and Web of Science Core Collection (Database) | 6 |