

## Supplementary material

### Search Strategy

[["cholangiocarcinoma"[Title/Abstract] OR "cholangiocarcinomas"[Title/Abstract] OR "cholangiocellular carcinoma"[Title/Abstract] OR "cholangiocellular carcinomas"[Title/Abstract] OR "biliary tract carcinoma"[Title/Abstract] OR "biliary tract carcinomas"[Title/Abstract] OR "biliary tract cancer"[Title/Abstract] OR "biliary tract cancers"[Title/Abstract] OR "biliary duct carcinoma"[Title/Abstract] OR "biliary duct carcinomas"[Title/Abstract] OR "biliary duct cancer"[Title/Abstract] OR "bile duct carcinoma"[Title/Abstract] OR "bile duct carcinomas"[Title/Abstract] OR "bile duct cancer"[Title/Abstract] OR "bile duct cancers"[Title/Abstract]] AND ["neoadjuvant"[Title/Abstract] OR "pre-operative"[Title/Abstract] OR "preoperative"[Title/Abstract] OR "induction"[Title/Abstract] OR "down-staging"[Title/Abstract] OR "downstaging"[Title/Abstract] OR "advanced"[Title/Abstract] OR "unresectable"[Title/Abstract] OR "unresected"[Title/Abstract]]) AND ["therapy"[Title/Abstract] OR "treatment"[Title/Abstract] OR "systemic therapy"[Title/Abstract] OR "systemic treatment"[Title/Abstract] OR "chemotherapy"[Title/Abstract] OR "chemoradiotherapy"[Title/Abstract] OR "chemoradiation"[Title/Abstract] OR "radiotherapy"[Title/Abstract] OR "radiation"[Title/Abstract] OR "radioembolisation"[Title/Abstract] OR "radioembolization"[Title/Abstract] OR "chemoembolization"[Title/Abstract] OR "embolization"[Title/Abstract] OR "chemoembolisation"[Title/Abstract] OR "embolisation"[Title/Abstract] OR "phototherapy"[Title/Abstract] OR "photodynamic"[Title/Abstract] OR "brachytherapy"[Title/Abstract] OR "immunotherapy"[Title/Abstract] OR "hormonotherapy"[Title/Abstract]]) NOT ["systematic review"[Publication Type] OR "review"[Publication Type] OR "meta-analysis"[Publication Type] OR "case reports"[Publication Type]] NOT ["cells"[Title] OR "cell lines"[Title] OR "cell line"[Title]]