

Supplemental Figure 1 Risk of bias assessment based on Newcastle-Ottawa scale

Author	Year	Selection				Comparability		Outcome			NOS Score	Study Quality
de Reuver[20]	2007	★	★	★	★	★	☆	★	★	★	8	Good
Shamim[35]	2007	☆	★	★	☆	★	☆	★	★	★	6	Fair
Goykhman[28]	2008	★	★	★	★	★	★	★	★	☆	8	Good
Silva[34]	2008	☆	★	★	★	★	★	★	★	★	8	Good
Stewart[18]	2009	★	★	★	★	★	★	★	★	★	9	Good
Sahajpal[42]	2011	★	★	★	★	★	★	★	★	★	9	Good
Huang[25]	2011	★	★	★	★	★	★	★	★	☆	8	Good
Perera[26]	2011	★	★	★	★	★	★	★	★	☆	8	Good
Barauskas[41]	2012	☆	★	★	★	★	☆	★	★	★	7	Fair
Iannelli[27]	2013	★	★	★	★	★	☆	★	★	★	8	Good
Lubikowski[38]	2012	☆	★	★	★	★	☆	☆	★	☆	5	Poor
Parrilla[37]	2014	☆	★	★	★	★	☆	☆	★	★	6	Fair
Sulpice[33]	2014	★	★	★	★	★	★	★	★	★	9	Good
Stilling[44]	2015	☆	★	★	★	★	★	★	★	★	8	Good
Arora[46]	2015	★	★	★	☆	★	★	☆	★	☆	6	Fair
Perini[36]	2015	☆	★	★	☆	★	☆	★	★	★	6	Fair
Felekouras[40]	2015	★	★	★	★	★	★	★	★	★	9	Good
Kirks[45]	2016	★	★	★	★	★	★	★	★	★	9	Good
Dominguez[43]	2016	★	★	★	★	★	★	★	★	★	9	Good
E-AHPBA Group[47]	2019	★	★	★	★	★	★	★	★	★	9	Good
Battal[48]	2019	★	★	★	★	★	★	★	★	☆	8	Good
Sweigert[49]	2021	★	★	★	★	★	★	★	★	★	9	Good
El Nakeeb[50]	2021	★	★	★	★	★	★	★	★	★	9	Good
Anand[51]	2021	★	★	★	★	★	★	★	☆	☆	7	Fair

Supplementary Table 1 Search strategy

laparocholecystectom*:ab,ti OR **'laparoscopic cystectomy'**:ab,ti OR **'chole cystectomy'**:ab,ti OR **'chole-cystectomy'**:ab,ti OR **'cholecystectomy'**/exp OR **'laparoscopic cholecystectomy'**:ab,ti AND (**'bile duct injury'**:ab,ti OR **'bile duct injuries'**:ab,ti OR **(choledochus NEXT/3 injur*)**:ab,ti OR **(iatrogenic NEXT/3 injur*)**:ab,ti OR **(biliary NEXT/3 injur*)**:ab,ti OR **'bile duct injury'/exp**) AND ((**biliary NEXT/3 surgery**):ab,ti OR (**biliary NEXT/3 repair**):ab,ti OR **'bile duct repair'**:ab,ti OR (**'bile duct' NEXT/5 repair**):ab,ti OR (**'bile duct' NEXT/5 surgery**):ab,ti OR (**surgical NEXT/5 repair**):ab,ti OR (**biliary NEXT/5 reconstitution**):ab,ti OR **'biliary tract surgery'/de**) NOT (**laparocholecystectom***:ab,ti OR **'laparoscopic cystectomy'**:ab,ti OR **'chole cystectomy'**:ab,ti OR **'chole-cystectomy'**:ab,ti OR **'cholecystectomy'**/exp OR **'laparoscopic cholecystectomy'**:ab,ti AND (**'bile duct injury'**:ab,ti OR **'bile duct injuries'**:ab,ti OR **(choledochus NEXT/3 injur*)**:ab,ti OR **(iatrogenic NEXT/3 injur*)**:ab,ti OR **(biliary NEXT/3 injur*)**:ab,ti OR **'bile duct injury'/exp**) AND ((**biliary NEXT/3 surgery**):ab,ti OR (**biliary NEXT/3 repair**):ab,ti OR **'bile duct repair'**:ab,ti OR (**'bile duct' NEXT/5 repair**):ab,ti OR (**'bile duct' NEXT/5 surgery**):ab,ti OR (**surgical NEXT/5 repair**):ab,ti OR (**biliary NEXT/5 reconstitution**):ab,ti OR **'biliary tract surgery'/de**) AND ((**newborn**)/lim OR **[infant]**/lim OR **[preschool]**/lim OR **[school]**/lim OR **[child]**/lim OR **[adolescent]**/lim)) NOT (**'case report'**/exp OR **'case study'**/exp) NOT (**laparocholecystectom***:ab,ti OR **'laparoscopic cystectomy'**:ab,ti OR **'chole cystectomy'**:ab,ti OR **'chole-cystectomy'**:ab,ti OR **'cholecystectomy'**/exp OR **'laparoscopic cholecystectomy'**:ab,ti AND (**'bile duct injury'**:ab,ti OR **'bile duct injuries'**:ab,ti OR **(choledochus NEXT/3 injur*)**:ab,ti OR **(iatrogenic NEXT/3 injur*)**:ab,ti OR **(biliary NEXT/3 injur*)**:ab,ti OR **'bile duct injury'/exp**) AND ((**biliary NEXT/3 surgery**):ab,ti OR (**biliary NEXT/3 repair**):ab,ti OR **'bile duct repair'**:ab,ti OR (**'bile duct' NEXT/5 repair**):ab,ti OR (**'bile duct' NEXT/5 surgery**):ab,ti OR (**surgical NEXT/5 repair**):ab,ti OR (**biliary NEXT/5 reconstitution**):ab,ti OR **'biliary tract surgery'/de**) NOT (**laparocholecystectom***:ab,ti OR **'laparoscopic cystectomy'**:ab,ti OR **'chole cystectomy'**:ab,ti OR **'chole-cystectomy'**:ab,ti OR **'cholecystectomy'**/exp OR **'laparoscopic cholecystectomy'**:ab,ti AND (**'bile duct injury'**:ab,ti OR **'bile duct injuries'**:ab,ti OR **(choledochus NEXT/3 injur*)**:ab,ti OR **(iatrogenic NEXT/3 injur*)**:ab,ti OR **(biliary NEXT/3 injur*)**:ab,ti OR **'bile duct injury'/exp**) AND ((**biliary NEXT/3 surgery**):ab,ti OR (**biliary NEXT/3 repair**):ab,ti OR **'bile duct repair'**:ab,ti OR (**'bile duct' NEXT/5 repair**):ab,ti OR (**'bile duct' NEXT/5 surgery**):ab,ti OR (**surgical NEXT/5 repair**):ab,ti OR (**biliary NEXT/5 reconstitution**):ab,ti OR **'biliary tract surgery'/de**) AND ((**newborn**)/lim OR **[infant]**/lim OR **[preschool]**/lim OR **[school]**/lim OR **[child]**/lim OR **[adolescent]**/lim)) NOT (**'case report'**/exp OR **'case study'**/exp) AND ((**editorial**)/lim OR **[erratum]**/lim OR **[letter]**/lim OR **[note]**/lim OR **[short survey]**/lim)) AND ((**english**)/lim OR **[french]**/lim OR **[german]**/lim OR **[italian]**/lim OR **[portuguese]**/lim OR **[spanish]**/lim) AND **[humans]**/lim NOT **'surgical technique'/exp/mj**