

Appendix 1

Search strategy for meta-analysis

Search terms

PubMed: 2,209

(((((Laparoscopic) OR (laparoscopy)) OR (minimally invasive)) OR (surgical approach)) AND (((gallbladder) OR (cholecystic) OR (cholecyst))) AND (((((malignant) OR (cancer)) OR (carcinoma)) OR (tumor)) OR (neoplasm)) OR (neoplasia))

Web of Science: 1,985

(((((TS=(malignant)) OR TS=(cancer)) OR TS=(carcinoma)) OR TS=(tumor)) OR TS=(neoplasm)) OR TS=(neoplasia) AND ((TS=(gallbladder)) OR TS=(cholecystic)) OR TS=(cholecyst) AND (((TS=(Laparoscopic)) OR TS=(laparoscopy)) OR TS=(minimally invasive)) OR TS=(surgical approach))

Embase: 3,778

((laparoscopic OR 'laparoscopy'/exp OR laparoscopy OR 'minimally invasive' OR (minimally AND invasive) OR 'surgical approach'/exp OR 'surgical approach' OR (surgical AND approach)) AND ('gallbladder'/exp OR gallbladder) OR cholecystic OR cholecyst) AND (malignant OR 'cancer'/exp OR cancer OR 'carcinoma'/exp OR carcinoma OR 'tumor'/exp OR tumor OR 'neoplasm'/exp OR neoplasm OR 'neoplasia'/exp OR neoplasia) AND [embase]/lim

Table S1 Newcastle-Ottawa Quality Assessment Scale for included studies

Studies	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Comparability of cohorts on the basis of the design or analysis	Assessment of outcome	Was follow-up long enough for outcomes to occur	Adequacy of follow-up of cohorts	Quality score
Regmi	B*	A*	A*	A*	A*B*	B*	A*	D	8
Nag	B*	A*	A*	A*	A*	B*	A*	D	7
Maharjan	B*	A*	A*	A*	A*	B*	A*	D	7
Lee	B*	A*	A*	A*	A*	B*	A*	D	7
Kim	B*	A*	A*	A*	A*	B*	A*	D	7
D'Silva	B*	A*	A*	A*	A*	B*	A*	D	7
Cao	B*	A*	A*	A*	A*	B*	A*	B*	8
Wang	B*	A*	A*	A*	B*	B*	A*	D	7
Vega	A*	A*	A*	A*	A*B*	B*	A*	A*	9
Navarro	B*	A*	A*	A*	A*	B*	A*	D	7
Dou	B*	A*	A*	A*	A*	B*	A*	D	7
Jang	B*	A*	A*	A*	A*	B*	A*	B*	8
Feng	B*	A*	A*	A*	A*	B*	A*	B*	8
Losada	B*	A*	A*	A*	A*	B*	A*	D	7
Jang	A*	A*	A*	A*	A*	B*	A*	D	7
Zhang	B*	A*	A*	A*	A*B*	B*	A*	A*	9
Itano	A*	A*	A*	A*	A*	B*	A*	D	7
Ha	B*	A*	A*	A*	A*	B*	A*	D	7
Agarwal	B*	A*	A*	A*	-	B*	A*	A*	7
Cavallaro	B*	A*	A*	A*	A*B*	B*	A*	A*	9
Hu	B*	A*	A*	A*	A*	B*	A*	D	7
Goetze	A*	A*	A*	A*	A*B*	B*	A*	D	8
Chan	B*	A*	A*	A*	A*	B*	A*	B*	8
Cucinotta	B*	A*	A*	A*	A*B*	B*	A*	A*	9
d e Aretxabala	B*	A*	A*	A*	A*	B*	A*	A*	7
Yoshida	B*	A*	A*	A*	A*	B*	A*	A*	8
Sarli	B*	A*	A*	A*	A*	B*	A*	A*	8

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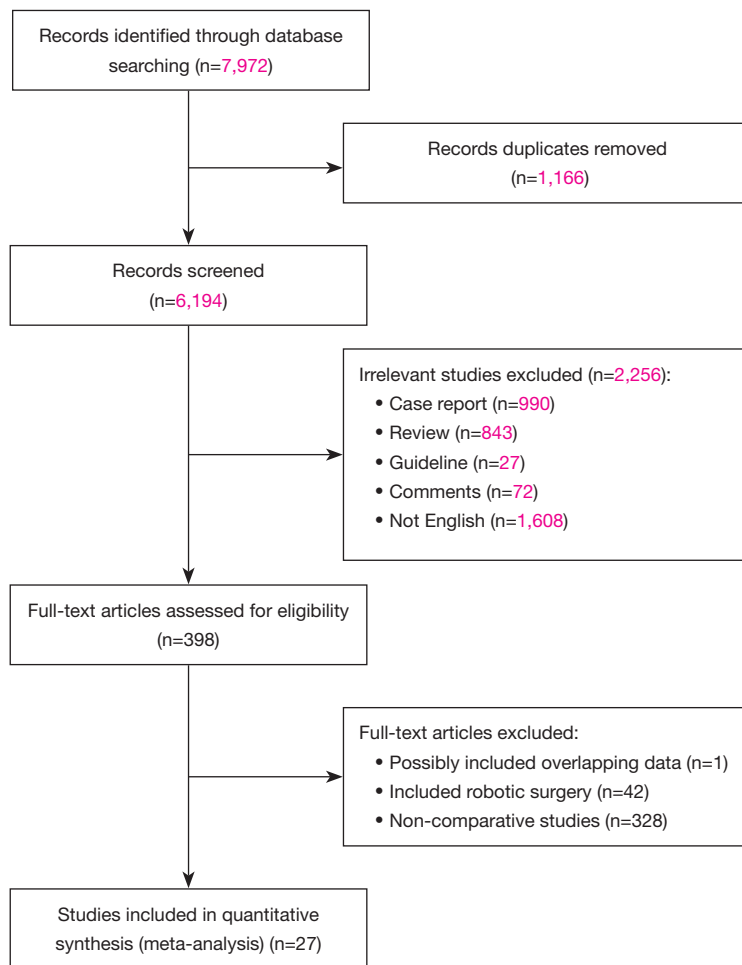


Figure S1 Selection process of qualified studies.