

Additional file 1. Retrieval strategy

PubMed: 73 studies

MESH: Bariatric Surgery Gallstones (Cholelithiasis Cholecystolithiasis Calculi)

Risk Factors

Entry terms: Surgeries, Bariatric

Surgery, Bariatric

Metabolic Surgery

Metabolic Surgeries

Surgeries, Metabolic

Surgery, Metabolic

Bariatric Surgical Procedures

Bariatric Surgical Procedure

Procedure, Bariatric Surgical

Procedures, Bariatric Surgical

Surgical Procedure, Bariatric

Surgical Procedures, Bariatric

Bariatric Surgeries

Stomach Stapling

Stapling, Stomach

Gallstone

Gall Stones

Biliary Calculi

Calculi, Biliary

Gall Stone

Common Bile Duct Calculi

Biliary Calculi, Common Bile Duct

Gallstones, Common Bile Duct

Common Bile Duct Gall Stone

Common Bile Duct Gallstones

Gall Stones, Common Bile Duct

Common Bile Duct Gallstone

Common Bile Duct Gall Stones

Factor, Risk

Risk Factor

Social Risk Factors

Factor, Social Risk

Factors, Social Risk

Risk Factor, Social

Risk Factors, Social

Social Risk Factor

Health Correlates

Correlates, Health
 Population at Risk
 Populations at Risk
 Risk Scores
 Risk Score
 Score, Risk
 Risk Factor Scores
 Risk Factor Score
 Score, Risk Factor

(((("Bariatric Surgery"[Mesh]) OR (((((((((((((((Bariatric Surgery[Title/Abstract])
 OR (Surgeries, Bariatric[Title/Abstract])) OR (Surgery, Bariatric[Title/Abstract])) OR
 (Metabolic Surgery[Title/Abstract])) OR (Metabolic Surgeries[Title/Abstract])) OR
 (Surgeries, Metabolic[Title/Abstract])) OR (Surgery, Metabolic[Title/Abstract])) OR
 (Bariatric Surgical Procedures[Title/Abstract])) OR (Bariatric Surgical
 Procedure[Title/Abstract])) OR (Procedure, Bariatric Surgical[Title/Abstract])) OR
 (Procedures, Bariatric Surgical[Title/Abstract])) OR (Surgical Procedure,
 Bariatric[Title/Abstract])) OR (Surgical Procedures, Bariatric[Title/Abstract])) OR
 (Bariatric Surgeries[Title/Abstract])) OR (Stomach Stapling[Title/Abstract])) OR
 (Stapling, Stomach[Title/Abstract]))) AND (("Gallstones"[Mesh]) OR
 (((((((((((((((Gallstones[Title/Abstract]) OR (Gallstone[Title/Abstract])) OR (Gall
 Stones[Title/Abstract])) OR (Biliary Calculi[Title/Abstract])) OR (Calculi,
 Biliary[Title/Abstract])) OR (Gall Stone[Title/Abstract])) OR (Common Bile Duct
 Calculi[Title/Abstract])) OR (Biliary Calculi, Common Bile Duct[Title/Abstract]))
 OR (Gallstones, Common Bile Duct[Title/Abstract])) OR (Common Bile Duct Gall
 Stone[Title/Abstract])) OR (Common Bile Duct Gallstones[Title/Abstract])) OR (Gall
 Stones, Common Bile Duct[Title/Abstract])) OR (Common Bile Duct
 Gallstone[Title/Abstract])) OR (Common Bile Duct Gall Stones[Title/Abstract]))))
 AND (("Risk Factors"[Mesh]) OR (((((((((((((((Risk Factors[Title/Abstract]) OR
 (Factor, Risk[Title/Abstract])) OR (Risk Factor[Title/Abstract])) OR (Social Risk
 Factors[Title/Abstract])) OR (Factor, Social Risk[Title/Abstract])) OR (Factors,
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 Factors, Social[Title/Abstract])) OR (Social Risk Factor[Title/Abstract])) OR (Health
 Correlates[Title/Abstract])) OR (Correlates, Health[Title/Abstract])) OR (Population
 at Risk[Title/Abstract])) OR (Populations at Risk[Title/Abstract])) OR (Risk
 Scores[Title/Abstract])) OR (Risk Score[Title/Abstract])) OR (Score,
 Risk[Title/Abstract])) OR (Risk Factor Scores[Title/Abstract])) OR (Risk Factor
 Score[Title/Abstract])) OR (Score, Risk Factor[Title/Abstract]))))

Embase 152studies

Emtree terms: bariatric surgery gallstone risk factor

strategy : ('bariatric surgery':ab,ti OR 'surgeries, bariatric':ab,ti OR 'surgery,
 bariatric':ab,ti OR 'metabolic surgery':ab,ti OR 'metabolic surgeries':ab,ti OR
 'surgeries, metabolic':ab,ti OR 'surgery, metabolic':ab,ti OR 'bariatric surgical
 procedures':ab,ti OR 'bariatric surgical procedure':ab,ti OR 'procedure, bariatric

surgical':ab,ti OR 'procedures, bariatric surgical':ab,ti OR 'surgical procedure, bariatric':ab,ti OR 'surgical procedures, bariatric':ab,ti OR 'bariatric surgeries':ab,ti OR 'stomach stapling':ab,ti OR 'stapling, stomach':ab,ti OR 'bariatric surgery'/mj) AND (gallstone:ab,ti OR 'gall stones':ab,ti OR 'biliary calculi':ab,ti OR 'calculi, biliary':ab,ti OR 'gall stone':ab,ti OR 'common bile duct stone':ab,ti OR 'biliary calculi, common bile duct':ab,ti OR 'gallstones, common bile duct':ab,ti OR 'common bile duct gall stone':ab,ti OR 'common bile duct gallstones':ab,ti OR 'gall stones, common bile duct':ab,ti OR 'common bile duct gallstone':ab,ti OR 'bariatric surgeries':ab,ti OR 'common bile duct gall stones':ab,ti OR 'gallstone'/mj) AND ('risk factor'/exp OR 'factor, risk':ab,ti OR 'risk factor':ab,ti OR 'social risk factors':ab,ti OR 'factor, social risk':ab,ti OR 'factors, social risk':ab,ti OR 'risk factor, social':ab,ti OR 'risk factors, social':ab,ti OR 'social risk factor':ab,ti OR 'health correlates':ab,ti OR 'correlates, health':ab,ti OR 'population at risk':ab,ti OR 'populations at risk':ab,ti OR 'risk scores':ab,ti OR 'risk score':ab,ti OR 'score, risk':ab,ti OR 'risk factor scores':ab,ti OR 'risk factor score':ab,ti OR 'score, risk factor':ab,ti)

Cochrane: same as pubmed

#1	MeSH descriptor: [Bariatric Surgery] explode all trees	MeSH
#2	(Bariatric Surgery).ti,ab,kw OR (Surgeries, Bariatric).ti,ab,kw OR (Surgery, Bariatric).ti,ab,kw OR (Metabolic Surgery).ti,ab,kw OR (Metabolic Surgeries).ti,ab,kw (Word variations have been searched) The session has timed out, please refresh the page.	S Lim
#3	(Surgeries, Metabolic).ti,ab,kw OR (Surgery, Metabolic).ti,ab,kw OR (Bariatric Surgical Procedures).ti,ab,kw OR (Bariatric Surgical Procedure).ti,ab,kw OR (Procedure, Bariatric Surgical).ti,ab,kw (Word variations have been searched)	S Lim
#4	(Procedures, Bariatric Surgical).ti,ab,kw OR (Surgical Procedure, Bariatric).ti,ab,kw OR (Surgical Procedures, Bariatric).ti,ab,kw OR (Bariatric Surgeries).ti,ab,kw OR (Stomach Stapling).ti,ab,kw (Word variations have been searched)	S Lim
#5	(Stapling, Stomach).ti,ab,kw (Word variations have been searched) The session has timed out, please refresh the page.	S Lim
#6	#1 or #3 or #2 or #4 or #5 Error: This line references a line that contains errors.	Lim
#7	MeSH descriptor: [Gallstones] explode all trees The session has timed out, please refresh the page.	MeSH Error
#8	(Gallstones).ti,ab,kw OR (Gallstone).ti,ab,kw OR (Gall Stones).ti,ab,kw OR (Biliary Calculi).ti,ab,kw OR (Calculi, Biliary).ti,ab,kw (Word variations have been searched) The session has timed out, please refresh the page.	S Limits Error
#9	(Gall Stone).ti,ab,kw OR (Common Bile Duct Calculi).ti,ab,kw OR (Biliary Calculi, Common Bile Duct).ti,ab,kw OR (Gallstones, Common Bile Duct).ti,ab,kw OR (Common Bile Duct Gall Stone).ti,ab,kw (Word variations have been searched) The session has timed out, please refresh the page.	S Limits Error
#10	(Common Bile Duct Gallstones).ti,ab,kw OR (Gall Stones, Common Bile Duct).ti,ab,kw OR (Common Bile Duct Gallstone).ti,ab,kw OR (Common Bile Duct Gall (Word variations have been searched)	S Limits
#11	#7 or #8 or #9 or #10 Error: This line references a line that contains errors.	Limits Error
#12	MeSH descriptor: [Risk Factors] explode all trees	MeSH
#13	(Risk Factors).ti,ab,kw OR (Factor, Risk).ti,ab,kw OR (Risk Factor).ti,ab,kw OR (Social Risk Factors).ti,ab,kw OR (Factor, Social Risk).ti,ab,kw (Word variations have been searched) The session has timed out, please refresh the page.	S Limits Error

The session has timed out, please refresh the page.

-	+	#14	(Factors, Social Risk) ti,ab,kw OR (Risk Factor, Social) ti,ab,kw OR (Risk Factors, Social) ti,ab,kw OR (Social Risk Factor) ti,ab,kw OR (Health Correlates) ti,ab,kw (Word variations have been searched)	S	Limits	
-	+	#15	(Correlates, Health) ti,ab,kw OR (Population at Risk) ti,ab,kw OR (Populations at Risk) ti,ab,kw OR (Risk Scores) ti,ab,kw OR (Risk Score) ti,ab,kw (Word variations have been searched)	S	Limits	
-	+	#16	(Score, Risk) ti,ab,kw OR (Risk Factor Scores) ti,ab,kw OR (Risk Factor Score) ti,ab,kw OR (Score, Risk Factor) ti,ab,kw (Word variations have been searched)	S	Limits	
-	+	#17	#12 or #13 or #14 or #15 or #16 Error: This line references a line that contains errors.	Limits	Error	
-	+	#18	#6 and #11 and #17 Error: This line references a line that contains errors.	Limits	Error	
-	+	#19	Type a search term or use the S or MeSH buttons to compose	S	MeSH	Limits N/A

☐ Highlight orphan lines

Web Of Science:

1. Bariatric Surgery (Topic) or Surgeries, Bariatric (Topic) or Surgery, Bariatric (Topic) or Metabolic Surgery (Topic) or Metabolic Surgeries (Topic) or Surgeries, Metabolic (Topic) or Surgery, Metabolic (Topic) or Bariatric Surgical Procedures (Topic) or Bariatric Surgical Procedure (Topic) or Procedure, Bariatric Surgical (Topic) or Procedures, Bariatric Surgical (Topic) or Surgical Procedure, Bariatric (Topic) or Surgical Procedures, Bariatric (Topic) or Bariatric Surgeries (Topic) or Stomach Stapling (Topic) or Stapling, Stomach (Topic)

2.

Gallstones (Topic) or Gallstone (Topic) or Gall Stones (Topic) or Biliary Calculi (Topic) or Calculi, Biliary (Topic) or Gall Stone (Topic) or Common Bile Duct Calculi (Topic) or Biliary Calculi, Common Bile Duct (Topic) or Gallstones, Common Bile Duct (Topic) or Common Bile Duct Gall Stone (Topic) or Common Bile Duct Gallstones (Topic) or Gall Stones, Common Bile Duct (Topic) or Common Bile Duct Gallstone (Topic) or Common Bile Duct Gall Stones (Topic)

3. Risk Factors (Topic) or Factor, Risk (Topic) or Risk Factor (Topic) or Social Risk Factors (Topic) or Factor, Social Risk (Topic) or Factors, Social Risk (Topic) or Risk Factor, Social (Topic) or Risk Factors, Social (Topic) or Social Risk Factor (Topic) or Health Correlates (Topic) or Correlates, Health (Topic) or Population at Risk (Topic) or Populations at Risk (Topic) or Risk Scores (Topic) or Risk Score (Topic) or Score, Risk (Topic) or Risk Factor Scores (Topic) or Risk Factor Score (Topic) or Score, Risk Factor (Topic)

#1: Bariatric Surgery (Topic) or Surgeries, Bariatric (Topic) or Surgery, Bariatric (Topic) or Metabolic Surgery (Topic) or Metabolic Surgeries (Topic) or Surgeries, Metabolic (Topic) or Surgery, Metabolic (Topic) or Bariatric Surgical Procedures (Topic) or Bariatric Surgical Procedure (Topic) or Procedure, Bariatric Surgical (Topic) or Procedures, Bariatric Surgical (Topic) or Surgical Procedure, Bariatric (Topic) or Surgical Procedures, Bariatric (Topic) or Bariatric Surgeries (Topic) or Stomach Stapling (Topic) or Stapling, Stomach (Topic)

#2: Gallstones (Topic) or Gallstone (Topic) or Gall Stones (Topic) or Biliary Calculi (Topic) or Calculi, Biliary (Topic) or Gall Stone (Topic) or Common Bile Duct Calculi (Topic) or Biliary Calculi, Common Bile Duct (Topic) or Gallstones, Common Bile Duct (Topic) or Common Bile Duct Gall Stone (Topic) or Common Bile Duct

Gallstones (Topic) or Gall Stones, Common Bile Duct (Topic) or Common Bile Duct Gallstone (Topic) or Common Bile Duct Gall Stones (Topic)

#3: Risk Factors (Topic) or Factor, Risk (Topic) or Risk Factor (Topic) or Social Risk Factors (Topic) or Factor, Social Risk (Topic) or Factors, Social Risk (Topic) or Risk Factor, Social (Topic) or Risk Factors, Social (Topic) or Social Risk Factor (Topic) or Health Correlates (Topic) or Correlates, Health (Topic) or Population at Risk (Topic) or Populations at Risk (Topic) or Risk Scores (Topic) or Risk Score (Topic) or Score, Risk (Topic) or Risk Factor Scores (Topic) or Risk Factor Score (Topic) or Score, Risk Factor (Topic)

#4:#1 AND #2 AND #3

603 in total: PubMed: 73, Embase: 152, Cochrane: 18, WOS: 360