

Appendix 3 Excluded studies

Artikel	Exklusionsorsak
Operation eller inte	
Abraham S,Rivero HG,Erlikh IV,Griffith LF, Kondamudi VK. Surgical and nonsurgical management of gallstones. American Family Physician, 2014; 89 (10): 795-802.	Studietyp
Ahmed A,Cheung RC, Keeffe EB. Management of gallstones and their complications. Am Fam Physician, 2000; 61 (6): 1673-80, 87-8.	Studietyp
Attili AF,De Santis A,Capri R,Repice AM, Maselli S. The natural history of gallstones: the GREPCO experience. The GREPCO Group. Hepatology, 1995; 21 (3): 655-60.	Studietyp
Brazzelli M,Cruickshank M,Kilonzo M,Ahmed I,Stewart F,McNamee P, et al. Clinical effectiveness and cost-effectiveness of cholecystectomy compared with observation/conservative management for preventing recurrent symptoms and complications in adults presenting with uncomplicated symptomatic gallstones or cholecystitis: A systematic review and economic evaluation. Health Technology Assessment, 2014; 18 (55): 1-101.	Studietyp Hälsoekonomi
Brazzelli M,Cruickshank M,Kilonzo M,Ahmed I,Stewart F,McNamee P, et al. Systematic review of the clinical and cost effectiveness of cholecystectomy versus observation/conservative management for uncomplicated symptomatic gallstones or cholecystitis. Surg Endosc, 2014.	Samma som Brazzelli M, et al. Health Technology Assessment, 2014;18 (55): 1-101
Cheruvu CV, Eyre-Brook IA. Consequences of prolonged wait before gallbladder surgery. Ann R Coll Surg Engl, 2002; 84 (1): 20-2.	Studietyp
de Mestral C,Rotstein OD,Laupacis A,Hoch JS,Zagorski B, Nathens AB. A population-based analysis of the clinical course of 10,304 patients with acute cholecystitis, discharged without cholecystectomy. J Trauma Acute Care Surg, 2013; 74 (1): 26-30; discussion 30-1.	Studietyp
Festi D,Reggiani ML,Attili AF,Loria P,Pazzi P,Scaioli E, et al. Natural history of gallstone disease: Expectant management or active treatment? Results from a population-based cohort study. J Gastroenterol Hepatol, 2010; 25 (4): 719-24.	Studietyp
Friedman GD. Natural history of asymptomatic and symptomatic gallstones. Am J Surg, 1993; 165 (4): 399-404.	Studietyp
Hatzidakis AA,Prassopoulos P,Petinarakis I,Sanidas E,Chrysos E,Chalkiadakis G, et al. Acute cholecystitis in high-risk patients: percutaneous cholecystostomy vs conservative treatment. Eur Radiol, 2002; 12 (7): 1778-84.	Population Studietyp
Kontopodis N,Spiridakis K,Panagiotakis G,Grigoraki M,Kokkinakis T, Rokadakis L. Acute cholecystitis: Conservative treatment and delayed cholecystectomy. Chirurgia, 2011; 24 (3): 121-24.	Studietyp Frågeställning
McGillicuddy EA,Schuster KM,Barre K,Suarez L,Hall MR,Kaml GJ, et al. Non-operative management of acute cholecystitis in the elderly. Br J Surg, 2012; 99 (9): 1254-61.	Studietyp

Oudhoff JP,Timmermans DRM,Knol DL,Bijnen AB, Van Der Wal G. Waiting for elective general surgery: Impact on health related quality of life and psychosocial consequences. BMC Public Health, 2007; 7.	Studietyp
Riall TS,Zhang D,Townsend CM, Jr.,Kuo YF, Goodwin JS. Failure to perform cholecystectomy for acute cholecystitis in elderly patients is associated with increased morbidity, mortality, and cost. J Am Coll Surg, 2010; 210 (5): 668-77, 77-9.	Studietyp
Sauerbruch T, Neubrand M. Nonsurgical management of gallstones. Prog Liver Dis, 1992; 10193-218.	Studietyp
Vracko J,Markovic S, Wiechel KL. Conservative treatment versus endoscopic sphincterotomy in the initial management of acute cholecystitis in elderly patients at high surgical risk. Endoscopy, 2006; 38 (8): 773-8.	Studietyp
Brazzelli M, Cruickshank M, Kilonzo M, Ahmed I, Stewart F, McNamee P, et al. Systematic review of the clinical and cost effectiveness of cholecystectomy versus observation/conservative management for uncomplicated symptomatic gallstones or cholecystitis. Surg Endosc 2015;29:637-47.	Hälsoekonomi
Operation i akut skede eller planerat senare	
Aboulian A,Chan T,Yaghoubian A,Kaji AH,Putnam B,Neville A, et al. Early cholecystectomy safely decreases hospital stay in patients with mild gallstone pancreatitis: a randomized prospective study. Ann Surg, 2010; 251 (4): 615-9.	Frågeställning
Chang TC,Lin MT,Wu MH,Wang MY, Lee PH. Evaluation of early versus delayed laparoscopic cholecystectomy in the treatment of acute cholecystitis. Hepatogastroenterology, 2009; 56 (89): 26-8.	Studietyp
Gonzalez-Rodriguez FJ,Paredes-Cotore JP,Ponton C,Rojo Y,Flores E,Luis-Calo ES, et al. Early or delayed laparoscopic cholecystectomy in acute cholecystitis? Conclusions of a controlled trial. Hepatogastroenterology, 2009; 56 (89): 11-6.	Kvalitet
Gurusamy KS,Koti R,Fusai G, Davidson BR. Early versus delayed laparoscopic cholecystectomy for uncomplicated biliary colic. Cochrane Database Syst Rev, 2013; 6Cd007196.	Dubblett
Hartwig W, Buchler MW. Acute cholecystitis: early versus delayed surgery. Adv Surg, 2014; 48155-64.	Studietyp
Hussey K, Witherspoon P. Letter 1: prospective randomized trial using cost-utility analysis of early versus delayed laparoscopic cholecystectomy for acute gallbladder disease (Br J Surg 2009; 96: 1031-1040). Br J Surg, 2009; 96 (12): 1492; author reply 93.	Publikationstyp
Kontopodis N,Spiridakis K,Panagiotakis G,Grigoraki M,Kokkinakis T, Rokadakis L. Acute cholecystitis: Conservative treatment and delayed cholecystectomy. Chirurgia, 2011; 24 (3): 121-24.	Studietyp Frågeställning
Lehane CW,Jootun RN,Bennett M,Wong S, Truskett P. Does an acute care surgical model improve the management and outcome of acute cholecystitis? ANZ J Surg, 2010; 80 (6): 438-42.	Studietyp
Macafee DA,Humes DJ,Bouliotis G,Beckingham IJ,Whynes DK, Lobo DN. Prospective randomized trial using cost-utility analysis of early versus delayed laparoscopic cholecystectomy for acute gallbladder disease. Br J Surg, 2009; 96 (9): 1031-40.	Studietyp Hälsoekonomi

Mercer S. Letter 2: prospective randomized trial using cost-utility analysis of early versus delayed laparoscopic cholecystectomy for acute gallbladder disease (Br J Surg 2009; 96: 1031-1040). Br J Surg, 2009; 96 (12): 1492-3; author reply 93.	Publikationstyp
Ozkardes AB,Tokac M,Dumlu EG,Bozkurt B,Ciftci AB,Yetisir F, et al. Early versus delayed laparoscopic cholecystectomy for acute cholecystitis: a prospective, randomized study. Int Surg, 2014; 99 (1): 56-61.	Hög risk för bias
Skouras C,Jarral O,Deshpande R,Zografos G,Habib N, Zacharakis E. Is early laparoscopic cholecystectomy for acute cholecystitis preferable to delayed surgery?: Best evidence topic (BET). Int J Surg, 2012; 10 (5): 250-8.	Studietyp
Wu JM,Wu YM,Lee CY,Wang HP, Lin MT. Is early laparoscopic cholecystectomy a safe procedure in patients when the duration of acute cholecystitis is more than three days? Hepatogastroenterology, 2012; 59 (113): 10-2.	Frågeställning
Yadav RP,Adhikary S,Agrawal CS,Bhattarai B,Gupta RK, Ghimire A. A comparative study of early vs. delayed laparoscopic cholecystectomy in acute cholecystitis. Kathmandu Univ Med J (KUMJ), 2009; 7 (25): 16-20.	Med i metaanalys av Cao et al 2015
Zhu B,Zhang Z,Wang Y,Gong K,Lu Y, Zhang N. Comparison of laparoscopic cholecystectomy for acute cholecystitis within and beyond 72 h of symptom onset during emergency admissions. World J Surg, 2012; 36 (11): 2654-8.	Frågeställning
Agrawal R, Sood KC, Agarwal B. Evaluation of Early versus Delayed Laparoscopic Cholecystectomy in Acute Cholecystitis. Surg Res Pract 2015;2015:349801	Hög risk för bias
Koti RS, Davidson CJ, Davidson BR. Surgical management of acute cholecystitis. Langenbecks Arch Surg 2015;400:403-19.	Överlappar Cao et al 2015
Wu XD, Tian X, Liu MM, Wu L, Zhao S, Zhao L. Meta-analysis comparing early versus delayed laparoscopic cholecystectomy for acute cholecystitis. Br J Surg 2015.	Överlappar Cao et al 2015
Gurusamy KS, Koti R, Fusai G, Davidson BR. Early versus delayed laparoscopic cholecystectomy for uncomplicated biliary colic. The Cochrane database of systematic reviews 2013;6:CD007196.	Dubblett, se ovan
Menahem B, Mulliri A, Fohlen A, Guittet L, Alves A, Lubrano J. Delayed laparoscopic cholecystectomy increases the total hospital stay compared to an early laparoscopic cholecystectomy after acute cholecystitis: an updated meta-analysis of randomized controlled trials. HPB (Oxford) 2015.	Överlappar Cao 2015
Tan CHM, Pang TCY, Woon WWL, Low JK, Junnarkar SP. Analysis of actual healthcare costs of early versus interval cholecystectomy in acute cholecystitis. Journal of Hepato-Biliary-Pancreatic Sciences 2015;22:237-243.	Studietyp Hälsoekonomi
Laparoskopisk eller öppen operation	
Ahmed S,Iqbal T, Abdullah MS. Open cholecystectomy versus laparoscopic cholecystectomy: A comparative study. Pakistan Journal of Medical and Health Sciences, 2014; 8382-85.	Studietyp
Araujo-Teixeira JP,Rocha-Reis J,Costa-Cabral A,Barros H,Saraiva AC, Araujo-Teixeira AM. Laparoscopic versus open cholecystectomy for acute cholecystitis (200 cases). Comparison of results and predictive factors for conversion. Chirurgie, 1999; 124529-35.	Studietyp

Avrutis O,Friedman SJ,Meshoulm J,Haskel L, Adler S. Safety and success of early laparoscopic cholecystectomy for acute cholecystitis. Surgical Laparoscopy, Endoscopy and Percutaneous Techniques, 2000; 10200-07.	Studietyp
Berggren U,Gordh T,Grama D,Haglund U,Rastad J, Arvidsson D. Laparoscopic versus open cholecystectomy: hospitalization, sick leave, analgesia and trauma responses. British journal of surgery, 1994; 811362-5.	Studietyp
Borzellino G,Sauerland S,Minicozzi AM,Verlato G,Di P,de M, et al. Laparoscopic cholecystectomy for severe acute cholecystitis. A meta-analysis of results. Surg Endosc, 2008; 228-15.	Studietyp
Carbajo C,M A,Martin del O,J C,Blanco A,J I, et al. Surgical treatment of the acute cholecystitis in the laparoscopic age. A comparative study: laparoscopy against laparotomy. Rev Esp Enferm Dig, 1998; 90788-93.	Språk
Catena F,Ansaloni L,Bianchi E,Di S,Coccolini F,Vallicelli C, et al. The ACTIVE (Acute Cholecystitis Trial Invasive Versus Endoscopic) Study: multicenter randomized, double-blind, controlled trial of laparoscopic versus open surgery for acute cholecystitis. Hepatogastroenterology, 2013; 601552-6.	Studieprotokoll
Chau CH,Tang CN,Siu WT,Ha JP, Li MK. Laparoscopic cholecystectomy versus open cholecystectomy in elderly patients with acute cholecystitis: retrospective study. Hong Kong Med J, 2002; 8394-9.	Studietyp Hälsa- och sjukvårdssystem
Ching CD, Pappas TN. A population-based cohort study comparing laparoscopic and open cholecystectomies: Research in the new millennium. American Journal of Gastroenterology, 2002; 97226-28.	Frågeställning
Cox MR,Wilson TG,Luck AJ,Jeans PL,Padbury RT, Toouli J. Laparoscopic cholecystectomy for acute inflammation of the gallbladder. Ann Surg, 1993; 218630-4.	Kvalitet
De G,Klitsie PJ,Hagen SM,Spronk S,Metselaar HJ,Lange JF, et al. Laparoscopic versus open cholecystectomy in patients with liver cirrhosis: A systematic review of the literature and meta-analysis. Surgical Endoscopy and Other Interventional Techniques, 2013; 27S37.	Frågeställning Studietyp
Eldar S,Sabo E,Nash E,Abrahamson J, Matter I. Laparoscopic cholecystectomy for acute cholecystitis: prospective trial. World J Surg, 1997; 21540-5.	Frågeställning
Eldar S,Sabo E,Nash E,Abrahamson J, Matter I. Laparoscopic versus open cholecystectomy in acute cholecystitis. Surgical Laparoscopy and Endoscopy, 1997; 7407-14.	Studietyp
Glavic Z,Begic L,Simlesa D, Rukavina A. Treatment of acute cholecystitis: A comparison of open vs laparoscopic cholecystectomy. Surgical Endoscopy, 2001; 15398-401.	Frågeställning
Hohmann U, Schramm H. Acute cholecystitis--primary laparoscopic procedure. Der Chirurg; Zeitschrift für alle Gebiete der operativen Medizin, 1999; 70270-75.	Studietyp
Holbling N,Pilz E,Feil W, Schiessel R. [Laparoscopic cholecystectomy--a meta-analysis of 23,700 cases and status of a personal patient sample]. Wien Klin Wochenschr, 1995; 107158-62.	Frågeställning Språk
Hosseini SN,Mousavinasab SN,Rahmanpour H, Vakili MM. A comparison of the outcome between acute open and acute laparoscopic cholecystectomy. Iranian Red Crescent Medical Journal, 2008; 1084-88.	Hälsa- och sjukvårdssystem
Hsu CE, Lee KT, Chang CS, Chiu HC, Chao FT, Shi HY. Cholecystectomy prevalence and treatment cost: An 8-year study in Taiwan. Surgical Endoscopy	Frågeställning Studietyp

and Other Interventional Techniques, 2010; 243127-33.	Hälso- och sjukvårdssystem
Kelley JE,Burrus RG,Burns RP,Graham LD, Chandler KE. Safety, efficacy, cost, and morbidity of laparoscopic versus open cholecystectomy: a prospective analysis of 228 consecutive patients. <i>Am Surg</i> , 1993; 5923-7.	Frågeställning Studietyp
Keus F,Broeders IA,van L, C J. Gallstone disease: Surgical aspects of symptomatic cholelithiasis and acute cholecystitis. <i>Best Pract Res Clin Gastroenterol</i> , 2006; 201031-51.	Frågeställning Studietyp
Keus F,De J,J AF,Gooszen HG,Van L, C JHM. Laparoscopic versus small-incision cholecystectomy for patients with symptomatic cholelithiasis. <i>Cochrane Database of Systematic Reviews</i> , 2006.	Dubblatt
Kum CK,Goh PMY,Isaac JR,Tekant Y, Ngoi SS. Laparoscopic cholecystectomy for acute cholecystitis. <i>British Journal of Surgery</i> , 1994; 811651-54.	Studietyp
Lai PB,Kwong KH,Leung KL,Kwok SP,Chan AC,Chung SC, et al. Randomized trial of early versus delayed laparoscopic cholecystectomy for acute cholecystitis. <i>Br J Surg</i> , 1998; 85764-7.	Frågeställning
Lo CM,Liu CL,Fan ST,Lai EC, Wong J. Prospective randomized study of early versus delayed laparoscopic cholecystectomy for acute cholecystitis. <i>Ann Surg</i> , 1998; 227461-7.	Frågeställning
Milheiro A,Sousa FC,Manso EC, Leitao F. Metabolic responses to cholecystectomy: open vs. laparoscopic approach. <i>J Laparoendosc Surg</i> , 1994; 4311-7.	Frågeställning Studietyp
Rai R,Sinha A, Rai S. Randomized clinical trial of open versus laparoscopic cholecystectomy in the treatment of acute cholecystitis (<i>Br J Surg</i> 2005; 92: 44-49). <i>Br J Surg</i> , 2005; 92494.	Frågeställning Geografi
Rau HG,Meyer G,Maiwald G,Schardey M,Merkle R,Lange V, et al. Conventional or laparoscopic cholecystectomy in treatment of acute cholecystitis? <i>Der Chirurg; Zeitschrift für alle Gebiete der operativen Medizin</i> , 1994; 651121-25.	Frågeställning Språk
Ros A, Carlsson P,Rahmqvist M,Backman K, Nilsson E. Non-randomised patients in a cholecystectomy trial: Characteristics, procedures, and outcomes. <i>BMC Surgery</i> , 2006; 6.	Frågeställning Studietyp
Steiner CA, Bass EB,Talamini MA,Pitt HA, Steinberg EP. Surgical rates and operative mortality for open and laparoscopic cholecystectomy in Maryland. <i>New England Journal of Medicine</i> , 1994; 330403-08.	Frågeställning Studietyp
Suter M, Meyer A. A 10-year experience with the use of laparoscopic cholecystectomy for acute cholecystitis: Is it safe? <i>Surgical Endoscopy</i> , 2001; 151187-92.	Studietyp
Vecchio R, MacFadyen BV, Latteri S. Laparoscopic cholecystectomy: an analysis on 114,005 cases of United States series. <i>Int Surg</i> , 1998; 83215-9.	Kvalitet
Yadav RP, Adhikary S,Agrawal CS,Bhattarai B,Gupta RK, Ghimire A. A comparative study of early vs. delayed laparoscopic cholecystectomy in acute cholecystitis. <i>Kathmandu Univ Med J (KUMJ)</i> , 2009; 716-20.	Frågeställning
Zacks SL, Sandler RS,Rutledge R,Brown, Jr., R S. A population-based cohort study comparing laparoscopic cholecystectomy and open cholecystectomy. <i>American Journal of Gastroenterology</i> , 2002; 97334-40.	Frågeställning Studietyp
Z'Graggen K, Wehrli H, Metzger A, Buehler M, Frei E, Klaiber C. Complications of laparoscopic cholecystectomy in Switzerland. A prospective 3-year study of	Frågeställning Studietyp

10,174 patients. Swiss Association of Laparoscopic and Thoracoscopic Surgery. Surg Endosc, 1998; 12:1303-10.	
Zucker KA, Flowers JL, Bailey RW, Graham SM, Buell J, Imbembo AL. Laparoscopic management of acute cholecystitis. Am J Surg, 1993; 165:508-14.	Frågeställning Studietyp
Hälsoekonomi	
Ahmad NZ, Byrnes G, Naqvi SA. A meta-analysis of ambulatory versus inpatient laparoscopic cholecystectomy. Surg Endosc 2008;22:1928-34.	Intervention
AlQaseer A, AlAradi A. Immediate versus delayed laparoscopic cholecystectomy in patients with acute cholecystitis: A retrospective audit. Journal of the Bahrain Medical Society 2013;24:108-111.	Hälso- och sjukvårdssystem
Attwood SEA, Mealy K, Hill ADK, Stephens RB. A prospective comparison of laparoscopic versus open cholecystectomy. Annals of the Royal College of Surgeons of England 1992;74:397-400.	Tidsperiod
Ayodeji O, Burgess P. Is there a strong argument for acute/semielective laparoscopic cholecystectomy for biliary colic? Surgical Endoscopy and Other Interventional Techniques 2013;27:S129.	Publikationstyp
Bansal VK, Garg P, Misra MC, Kilambi R, Rajeshwari S. Cost effectiveness analysis and comparison of single stage vs two stage management of patients with concomitant gall stone disease and common bile duct stones - A randomized controlled trial. Surgical Endoscopy and Other Interventional Techniques 2012;26:S205.	Intervention
Bass EB, Pitt HA, Lillemoe KD. Cost-effectiveness of laparoscopic cholecystectomy versus open cholecystectomy. American Journal of Surgery 1993;165:466-471.	Tidsperiod
Behrman SW, Melvin WS, Babb ME, Johnson J, Ellison EC. Laparoscopic cholecystectomy in the geriatric population. Am Surg 1996;62:386-90.	Tidsperiod
Bjerkeset T, Edna TH, Drogset JO, Svinsas M. [Early elective cholecystectomy in acute stone-related cholecystitis]. Tidsskr Nor Laegeforen 1997;117:2941-3.	Studiedesign
Bouassida M, Hamzaoui L, Mroua B, Chtourou MF, Zribi S, Mighri MM, Touinsi H. Should acute cholecystitis be operated in the 24 h following symptom onset? A retrospective cohort study. Int J Surg, 2016; 25:88-90.	Intervention
Brazzelli M, Cruickshank M, Kilonzo M, Ahmed I, Stewart F, McNamee P, et al. Systematic review of the clinical and cost effectiveness of cholecystectomy versus observation/conservative management for uncomplicated symptomatic gallstones or cholecystitis. Surg Endosc 2014.	Dubbelpublikation
Brooks KR, Scarborough JE, Vaslef SN, Shapiro ML. No need to wait: an analysis of the timing of cholecystectomy during admission for acute cholecystitis using the American College of Surgeons National Surgical Quality Improvement Program database. J Trauma Acute Care Surg 2013;74:167-73; 173-4.	Intervention

Campos FA, Oyakawa A, De Campos T, Moricz A, Silva RA, Pacheco AM. Quality of life outcomes with laparoscopic or open cholecystectomy. <i>HPB</i> 2010;12:359-360.	Publikationstyp
Cao AM, Eslick GD, Cox MR. Early Cholecystectomy Is Superior to Delayed Cholecystectomy for Acute Cholecystitis: a Meta-analysis. <i>J Gastrointest Surg</i> 2015;19:848-57.	Publikationstyp
Carroll BJ, Phillips EH, Rosenthal R, Gleischman S, Bray JF. One hundred consecutive laparoscopic cholangiograms. Results and conclusions. <i>Surg Endosc</i> 1996;10:319-23.	Studiedesign
Chandler CF, Lane JS, Ferguson P, Thompson JE, Ashley SW. Prospective evaluation of early versus delayed laparoscopic cholecystectomy for treatment of acute cholecystitis. <i>Am Surg</i> 2000;66:896-900.	Tidsperiod
Csikesz NG, Tseng JF, Shah SA. Trends in surgical management for acute cholecystitis. <i>Surgery</i> 2008;144:283-9.	Studiedesign
Deitch EA, Voci VE. Operative cholangiography. The case for selective instead of routine operative cholangiography. <i>Am Surg</i> 1982;48:297-301.	Studiedesign
Dixon E, Fowler DL, Ghitulescu G. CAGS and ACS Evidence Based Reviews in Surgery. 41. Cost-utility analysis of early versus delayed laparoscopic cholecystectomy for acute cholecystitis. <i>Can J Surg</i> 2012;55:204-6.	Publikationstyp
Dua A, Dua A, Desai SS, Kuy S, Sharma R, Jechow SE, et al. Gender based differences in management and outcomes of cholecystitis. <i>Am J Surg</i> 2013;206:641-6.	Intervention
El Shallaly G, Seow C, Sharp C, Mughrabi A, Nassar AH. Intraoperative cholangiography time in laparoscopic cholecystectomy: timing the radiographer. <i>Surg Endosc</i> 2005;19:1370-2.	Intervention
Fillmore PR, Armstrong B, Johnson M, Tsuda S, Browder T, Fildes J. Fast track management of cholecystitis with same day surgery reduces hospital length of stay and health care costs. <i>Journal of Surgical Research</i> 2014;186:608-609.	Publikationstyp
Francis S, Bolger J, Hill ADK. Surgery for acute cholecystitis: Can we do more on the index admission? <i>Irish Journal of Medical Science</i> 2013;182:S330.	Publikationstyp
Ghani AA, Jan WA, ul Haq A. Acute cholecystitis: Immediate versus interval cholecystectomy. <i>Journal of Postgraduate Medical Institute</i> 2005;19:192-195.	Tidsperiod
Greenstein AJ, Aufses AH, Moskowitz A, Egorova NN. Medicaid: Paying more and getting less? <i>Journal of the American College of Surgeons</i> 2014;219:e37.	Intervention
Grubnik V, Tkachenko A, Vorotyntseva K. Comparative prospective randomized trial: Laparoscopic versus open common bile duct exploration. <i>Wideochirurgia I Inne Techniki Maloinwazyjne</i> 2011;6:84-91.	Intervention
Gurusamy K, Junnarkar S, Farouk M, Davidson BR. Meta-analysis of randomized controlled trials on the safety and effectiveness of day-case laparoscopic cholecystectomy. <i>British Journal of Surgery</i> 2008;95:161-168.	Intervention

Gurusamy KS, Junnarkar S, Farouk M, Davidson BR. Day-case versus overnight stay for laparoscopic cholecystectomy. <i>Cochrane Database of Systematic Reviews</i> 2008.	Intervention
Hardy KJ, Miller H, Fletcher DR, Jones RM, Shulkes A, McNeil JJ. An evaluation of laparoscopic versus open cholecystectomy. <i>Medical Journal of Australia</i> 1994;160:58-62.	Tidsperiod
Hsu CE, Lee KT, Chang CS, Chiu HC, Chao FT, Shi HY. Cholecystectomy prevalence and treatment cost: An 8-year study in Taiwan. <i>Surgical Endoscopy and Other Interventional Techniques</i> 2010;24:3127-3133.	Hälso- och sjukvårdssystem
Huguier M, Rostoucher P, Houry S. Cholecystectomy: the cost of surgery. <i>Annales de Chirurgie</i> 1991;45:17-21.	Publikationstyp
Hussaini SH. Clinical economics review: The management of gallstone disease. <i>Alimentary Pharmacology and Therapeutics</i> 1996;10:699-705.	Publikationstyp
Jayathilaka MHA, Goh CSL, Woon WWL, Low JK, Junnarkar SP. Acute versus interval cholecystectomy for acute cholecystitis: A cost-analysis study. <i>HPB</i> 2013;15:55-56.	Publikationstyp
Jones C, Mawhinney A, Brown R. The true cost of gallstone disease. <i>Ulster Med J</i> 2012;81:10-3.	Intervention
Kelley JE, Burrus RG, Burns RP, Graham LD, Chandler KE. Safety, efficacy, cost, and morbidity of laparoscopic versus open cholecystectomy: a prospective analysis of 228 consecutive patients. <i>Am Surg</i> 1993;59:23-7.	Tidsperiod
Kitahama A, Kerstein MD, Overby JL, Kappelman MD, Webb WR. Routine intraoperative cholangiogram. <i>Surg Gynecol Obstet</i> 1986;162:317-22.	Studiedesign
Kumar A, Kumar U, Mungaday A, Bawa A. Role of routine intraoperative cholangiography during laparoscopic cholecystectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> 2014;28:368.	Publikationstyp
Kuwabara K, Matsuda S, Fushimi K, Ishikawa KB, Horiguchi H, Fujimori K, et al. Impact of timing of cholecystectomy and bile duct interventions on quality of cholecystitis care. <i>Int J Surg</i> 2009;7:243-9.	Hälso- och sjukvårdssystem
Kuwabara K, Matsuda S, Fushimi K, Ishikawa KB, Horiguchi H, Fujimori K. Relationships of age, cholecystectomy approach and timing with the surgical and functional outcomes of elderly patients with cholecystitis. <i>Int J Surg</i> 2011;9:392-9.	Hälso- och sjukvårdssystem
Lakoff D, Cherkas D, Parekh A. Acute cholecystitis: A dischargeable diagnosis? <i>Annals of Emergency Medicine</i> 2013;62:S39.	Publikationstyp
Leung D, Carbray J, Hoeger Y, Denham W, Ujiki MB. Single-incision surgery has higher cost with equivalent pain and quality of life scores compared to multiple-incision laparoscopic cholecystectomy: A prospective randomized blinded comparison. <i>Journal of the American College of Surgeons</i> 2011;213:S108-S109.	Intervention
Lo CM, Liu CL, Lai EC, Fan ST, Wong J. Early versus delayed laparoscopic cholecystectomy for treatment of acute cholecystitis. <i>Ann Surg</i> 1996;223:37-42.	Tidsperiod
Low JK, Barrow P, Owera A, Ammori BJ. Timing of laparoscopic cholecystectomy for acute cholecystitis: evidence to support a proposal for an early interval surgery. <i>Am Surg</i> 2007;73:1188-92.	Intervention

Lyons R, Waters P, Kerin MJ. Laparoscopic cholecystectomy in acute cholecystitis: Who should have immediate surgery? Irish Journal of Medical Science 2014;183:S252.	Publikationstyp
Majbar A, Benzekri O, Boulaouane S, Fahimi A, Souadka A. Laparoscopic versus open cholecystectomy for gallbladder lithiasis in rural morocco. Surgical Endoscopy and Other Interventional Techniques 2014;28:S17.	Publikationstyp
Marks JM, Phillips MS, Tacchino R, Roberts K, Onders R, Denoto G, et al. Single-incision laparoscopic cholecystectomy is associated with improved cosmesis scoring at the cost of significantly higher hernia rates: 1-year results of a prospective randomized, multicenter, single-blinded trial of traditional multiport laparoscopic cholecystectomy vs single-incision laparoscopic cholecystectomy. Journal of the American College of Surgeons 2013;216:1037-1047.	Intervention
McMahon MC, Martin RC, Kehdy F. Cost comparison of single incision laparoscopic cholecystectomy to standard laparoscopic cholecystectomy. Gastroenterology 2011;140:S1012.	Intervention
Migielski JA, Piskorz Ł, Koptas W. Comparison of treatment costs of laparoscopic and open surgery. Wideochirurgia I Inne Techniki Maloinwazyjne, 2015; 10 (3): 437-441.	Studiedesign
Misra N, Grimes N, Kaliyaperumal V, Staettner S, Poston GJ, Fenwick SW, et al. Emergency cholecystectomy; an economic evaluation of practice at a regional hepatobiliary centre. Surgical Endoscopy and Other Interventional Techniques 2014;28:S18.	Publikationstyp
Misra N, Kaliyaperumal V, Grimes N, Jones R, Dunne D, Poston G, et al. Emergency cholecystectomy; an economic evaluation of practice at a regional hepatobiliary centre. HPB 2012;14:354-355.	Publikationstyp
Misra N, Kaliyaperumal V, Grimes N, McChesney E, Jones R, Dunne D, et al. Emergency cholecystectomy; an economic evaluation of practice at a regional hepatobiliary centre. Gut 2012;61:A56-A57.	Publikationstyp
Morris S, Gurusamy K, Patel N, Davidson B. Cost-effectiveness of early laparoscopic cholecystectomy for mild acute gallstone pancreatitis. HPB 2014;16:157.	Publikationstyp
Morris S, Gurusamy KS, Patel N, Davidson BR. Cost-effectiveness of early laparoscopic cholecystectomy for mild acute gallstone pancreatitis. Br J Surg 2014;101:828-35.	Patientgrupp
Murata A, Okamoto K, Matsuda S, Kuwabara K, Ichimiya Y, Matsuda Y, et al. Multivariate analysis of factors influencing length of hospitalization and medical costs of cholecystectomy for acute cholecystitis in Japan: a national database analysis. Keio J Med 2013;62:83-94.	Hälso- och sjukvårdssystem
Nickkholgh A, Soltaniyekta S, Kalbasi H. Routine versus selective intraoperative cholangiography during laparoscopic cholecystectomy: a survey of 2,130 patients undergoing laparoscopic cholecystectomy. Surg Endosc 2006;20:868-74.	Studiedesign
Ozkardes AB, Tokac M, Yetisir F, Dumlu GE, Gurer A, Yildirim MB, et al. Prospective randomized trial for early vs delayed laparoscopic cholecystectomy for acute cholecystitis. European Surgery - Acta Chirurgica Austriaca 2012;44:57.	Publikationstyp

Parmar A, Coutin M, Vargas G, Tamirisa N, Sheffield K, Riall TS. Cost-effectiveness of elective cholecystectomy vs. observation in older patients presenting with mild biliary disease. <i>Gastroenterology</i> 2014;146:S-1056.	Publikationstyp
Pessaux P, Tuech JJ, Rouge C, Duplessis R, Cervi C, Arnaud JP. Laparoscopic cholecystectomy in acute cholecystitis. A prospective comparative study in patients with acute vs. chronic cholecystitis. <i>Surg Endosc</i> 2000;14:358-61.	Tidsperiod
Ramananda S. Laparoscopic cholecystectomy for acute cholecystitis in relation to its timing and safety. <i>Journal of Gastroenterology and Hepatology</i> 2013;28:93-94.	Publikationstyp
Schwartz DA, Shah AA, Zogg CK, Nicholas LH, Velopulos CG, Efron DT, et al. Operative delay to laparoscopic cholecystectomy: Racking up the cost of health care. <i>J Trauma Acute Care Surg</i> 2015;79:15-21.	Intervention
Seager A, Hall TC, Dennison AR, Garcea G. Economic Implications of Providing Emergency Cholecystectomy for All Patients With Biliary Pathology: A Retrospective Analysis. <i>Surg Laparosc Endosc Percutan Tech</i> 2015;25:337-42.	Patientgrupp
Shatkar V, Vulliamy P, Wain M, Mukherjee D. Early laparoscopic cholecystectomy (ELC) for symptomatic gallstones: Advantages to the patient and the care provider. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016; 30S41.	Publikationstyp
Simmonds J, Davies S, Peckham-Cooper A, Gompertz H. The on-going debate; to OTC or not to OTC? <i>Surgical Endoscopy and Other Interventional Techniques</i> 2013;27:S232-S233.	Publikationstyp
Skillings JC, Williams JS, Hinshaw JR. Cost-effectiveness of operative cholangiography. <i>Am J Surg</i> 1979;137:26-31.	Tidsperiod
Sleiwah A, Lovett B. Acute cholecystitis and the timing of cholecystectomy. Early versus delayed laparoscopic cholecystectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> 2014;28:S230.	Publikationstyp
Somasekar K, Shankar PJ, Foster ME, Lewis MH. Costs of waiting for gall bladder surgery. <i>Postgraduate Medical Journal</i> 2002;78:668-670.	Intervention
Sonnenberg A, Derfus GA, Soergel KH. Lithotripsy versus cholecystectomy for management of gallstones. A decision analysis by Markov process. <i>Dig Dis Sci</i> 1991;36:949-56.	Intervention
Soper NJ, Dunnegan DL. Routine versus selective intra-operative cholangiography during laparoscopic cholecystectomy. <i>World J Surg</i> 1992;16:1133-40.	Tidsperiod
Srivastava A, Srinivas G, Misra MC, Pandav CS, Seenu V, Goyal A. Cost-effectiveness analysis of laparoscopic versus minilaparotomy cholecystectomy for gallstone disease: A randomized trial. <i>International Journal of Technology Assessment in Health Care</i> 2001;17:497-502.	Intervention
Stark ME, Loughry CW. Routine operative cholangiography with cholecystectomy. <i>Surg Gynecol Obstet</i> 1980;151:657-8.	Studiedesign
Sulu B, Gorgun E, Aytac E, Costedio MM, Kiran RP, Remzi FH. Comparison of hospital costs for single-port and conventional laparoscopic colorectal resection: A case-matched study. <i>Techniques in Coloproctology</i> 2014;18:835-839.	Patientgrupp

Tan CH, Pang TC, Woon WW, Low JK, Junnarkar SP. Analysis of actual healthcare costs of early versus interval cholecystectomy in acute cholecystitis. <i>J Hepatobiliary Pancreat Sci</i> 2014.	Hälso- och sjukvårdssystem
Tan CH, Pang TC, Woon WW, Low JK, Junnarkar SP. Analysis of actual healthcare costs of early versus interval cholecystectomy in acute cholecystitis. <i>J Hepatobiliary Pancreat Sci</i> 2015;22:237-43.	Hälso- och sjukvårdssystem
Tempe F, Janes A, Cengiz Y. Cost analysis comparing ultrasonic fundus-first and conventional laparoscopic cholecystectomy using electrocautery. <i>Surg Endosc</i> 2013;27:2856-9.	Intervention
Unger SW, Rosenbaum G, Unger HM, Edelman DS. A comparison of laparoscopic and open treatment of acute cholecystitis. <i>Surg Endosc</i> 1993;7:408-11.	Tidsperiod
Wei Q, Wang JG, Li LB, Li JD. Management of choledocholithiasis: Comparison between laparoscopic common bile duct exploration and intraoperative endoscopic sphincterotomy. <i>World Journal of Gastroenterology</i> 2003;9:2856-2858.	Intervention
Weinstein MC, Coley CM, Richter JM. Medical management of gallstones: a cost-effectiveness analysis. <i>J Gen Intern Med</i> 1990;5:277-84.	Intervention
Vezakis A, Davides D, Ammori BJ, Martin IG, Larvin M, McMahon MJ. Intraoperative cholangiography during laparoscopic cholecystectomy. <i>Surg Endosc</i> 2000;14:1118-22.	Studiedesign
Wu XD, Tian X, Liu MM, Wu L, Zhao S, Zhao L. Meta-analysis comparing early versus delayed laparoscopic cholecystectomy for acute cholecystitis. <i>Br J Surg</i> 2015;102:1302-13.	Publikationstyp
Yigitbas H, Deniztas C, Gonenc M, Surek A, Karabulut M, Cikot M, et al. The value of intraoperative cholangiography during laparoscopic cholecystectomy to detect biliary tract variations and pathologies. <i>Surgical Endoscopy and Other Interventional Techniques</i> 2014;28:S138.	Publikationstyp
Yoh T, Okamura R, Nobuto Y, Wada S, Nakamura Y, Kato T, et al. Timing of laparoscopic cholecystectomy for mild and moderate acute cholecystitis. <i>Hepatogastroenterology</i> 2014;61:1489-93.	Studiedesign
Zafar SN, Obirize A, Adesibikan B, Cornwell EE, 3rd, Fullum TM, Tran DD. Optimal Time for Early Laparoscopic Cholecystectomy for Acute Cholecystitis. <i>JAMA Surg</i> 2014.	Intervention
Zhu B, Zhang Z, Wang Y, Gong K, Lu Y, Zhang N. Comparison of laparoscopic cholecystectomy for acute cholecystitis within and beyond 72 h of symptom onset during emergency admissions. <i>World J Surg</i> 2012;36:2654-8.	Hälso- och sjukvårdssystem