

20 most important publications

- 1. Grönroos JM.** *Pathogenesis of acute alcoholic pancreatitis. Lancet 1990;335:1046*
Impact factor: 202.731
Category: Basic research
- 2. Nevalainen TJ, Grönroos JM, Kortesoja PT.** *Pancreatic and synovial type phospholipases A2 in serum samples from patients with severe acute pancreatitis. Gut 1993;34:1133-1136*
Impact factor: 31.793
Category: Basic and clinical research
- 3. Grönroos JM, Kuttila K, Nevalainen TJ.** *Group II phospholipase A2 in serum in critically ill surgical patients. Crit Care Med 1994;22:956-959*
Impact factor: 9.296
Category: Basic and clinical research
- 4. Grönroos JM, Forsström JJ, Irjala K, Nevalainen TJ.** *Phospholipase A2, C-reactive protein, and white blood cell count in the diagnosis of acute appendicitis. Clin Chem 1994;40:1757-1760*
Impact factor: 12.114
Category: Clinical research
- 5. Haapamäki MM, Grönroos JM, Nurmi H, Alanen K, Kallajoki M, Nevalainen TJ.** *Gene expression of group II phospholipase A2 in intestine in ulcerative colitis. Gut 1997;40:95-101*
Impact factor: 31.793
Category: Basic research
- 6. Grönroos JM, Grönroos P.** *Leucocyte count and C-reactive protein in the diagnosis of acute appendicitis. Br J Surg 1999;86:501-504*
Impact factor: 11.782
Category: Clinical research
- 7. Helin-Salmivaara A, Virtanen A, Vesalainen R, Grönroos JM, Klaukka T, Idänpään-Heikkilä JE, Huupponen R.** *NSAIDs use and the risk of hospitalization for first myocardial infarction in the general population: a nationwide case-control study from Finland. Eur Heart J 2006;27:1657-1663.*
Impact factor: 35.855
Category: Clinical research
- 8. Karvonen J, Gullichsen R, Salminen P, Grönroos JM.** *Endoscopic treatment of pseudocystocolonic fistula with fibrin glue. Gastrointest Endosc 2010;72:664-665*
Impact factor: 10.396
Category: Clinical research
- 9. Salminen P, Paajanen H, Rautio T, Nordström P, Aarnio M, Rantanen T, Tuominen R, Hurme S, Virtanen J, Mecklin J-P, Sand J, Jartti A, Rinta-Kiikka I, Grönroos JM.** *Antibiotic therapy vs. appendectomy for treatment of uncomplicated acute appendicitis: The APPAC randomized clinical trial. JAMA 2015;313:2340-2348*
Impact factor: 157.335
Category: Clinical research
- 10. Salminen P, Grönroos J.** *Treatment of uncomplicated acute appendicitis. JAMA 2015;314:1401-1404*
Impact factor: 157.335
Category: Clinical research
- 11. Salminen P, Tuominen R, Paajanen H, Rautio T, Nordström P, Aarnio M, Rantanen T, Hurme S, Mecklin JP, Sand J, Virtanen J, Jartti A, Grönroos JM.** *Five-year follow-up of antibiotic therapy for uncomplicated acute appendicitis in the APPAC randomized clinical trial. JAMA 2018;25:1259-1265*
Impact factor: 157.335
Category: Clinical research

12. Mällinen J, Rautio T, **Grönroos J**, Rantanen T, Nordström P, Savolainen H, Ohtonen P, Hurme S, Salminen P. Risk of appendiceal neoplasm in periappendicular abscess in patients treated with interval appendectomy vs follow-up with magnetic resonance imaging: 1-year outcomes of the peri-appendicitis acuta randomized clinical trial. *JAMA Surg* 2019;154:200-207

Impact factor: 16.685
Category: Clinical research

13. Salminen P, **Grönroos J**, Hurme S. Long-term follow-up of antibiotics vs surgery for appendicitis. *JAMA* 2019;321:707-708

Impact factor: 157.335
Category: Clinical research

14. Salminen P, **Grönroos J**, Rautio T. Complicated and uncomplicated acute appendicitis are different diseases – do not compare apples with oranges. *JAMA Surg* 2019;154:782-783

Impact factor: 16.685
Category: Clinical research

15. Salminen P, **Grönroos J**. Questioning the higher abscess rate and overall cost of care associated with nonoperative management of uncomplicated acute appendicitis. *JAMA Surg* 2019;154:784

Impact factor: 16.685
Category: Clinical research

16. Sippola S, Haijanen J, Viinikainen L, **Grönroos J**, Paajanen H, Rautio T, Nordström P, Aarnio M, Rantanen T, Hurme S, Mecklin JP, Sand J, Jartti A, Salminen P. Quality of life and patient satisfaction at 7-year follow-up of antibiotic therapy vs appendectomy for uncomplicated acute appendicitis: a secondary analysis of a randomized clinical trial. *JAMA Surg* 2020;155:283-289

Impact factor: 16.685
Category: Clinical research

17. Sippola S, Haijanen J, **Grönroos J**, Rautio T, Nordström P, Rantanen T, Pinta T, Ilves I, Mattila A, Rintala J, Löyttyniemi E, Hurme S, Tammilehto V, Marttila H, Meriläinen S, Laukkarinen J, Sävelä EL, Savolainen H, Sippola T, Aarnio M, Paajanen H, Salminen P. Effect of oral moxifloxacin vs intravenous ertapenem plus oral levofloxacin for treatment of uncomplicated acute appendicitis: the APPAC II randomized clinical trial. *JAMA* 2021;325:353-362

Impact factor: 157.335
Category: Clinical research

18. Kylänpää L, Koskensalo V, Saarela A, Ejstrud P, Udd M, Lindström O, Rainio, Tenca A, Halttunen J, Qvigstad G, Arnelo U, Fagerström N, Hauge T, Aabakken L, **Grönroos J**. Transpancreatic biliary sphincterotomy versus double guidewire in difficult biliary cannulation: a randomized controlled trial. *Endoscopy* 2021;53:1011-1019

Impact factor: 10.437
Category: Clinical research

19. Haijanen J, Sippola S, Löyttyniemi E, Hurme S, **Grönroos J**, Rautio T, Salminen P. Factors associated with primary nonresponsiveness to antibiotics in adults with uncomplicated acute appendicitis: a prespecified secondary analysis of a randomized clinical trial. *Jama Surg* 2021;156:1179-1181

Impact factor: 16.685
Category: Clinical research

20. Salminen P, Sippola S, Haijanen J, Nordström P, Rantanen T, Rautio T, Sallinen V, Löyttyniemi E, Hurme S, Tammilehto V, Laukkarinen J, Savolainen H, Meriläinen S, Leppäniemi A, **Grönroos J**. Antibiotics versus placebo in adults with CT-confirmed uncomplicated acute appendicitis (APPAC III): a randomized double-blind superiority trial. *Br J Surg* 2022;109:503-509

Impact factor: 11.782
Category: Clinical research