Literatur zum Artikel
Onkologische Chirurgie mit minimal-invasivem Zugang

1. Hatzinger M, Kwon ST, Langbein S, et al (2006) Hans Christian Jacobaeus: inventor of human laparoscopy and thoracoscopy. J Endourol 20: 848–850
2. Clarke HC (1972) Laparoscopy – new instruments for suturing and ligation. Fertil Steril 23: 274–277
3. Semm K (1983) Endoscopic appendectomy. Endoscopy 15: 59–64
4. Turley RS, Mantyh CR, Migaly J (2013) Minimally invasive surgery for diverticulitis. Tech Coloproctol 17 (Suppl 1): S11–S22
5. Giannotti D, Casella G, Patrizi G, et al (2015) Spider surgical system versus multiport laparoscopic surgery: performance comparison on a surgical simulator. BMC Surgery 15: 54
6. Dallemagne B, Marescaux J (2010) The ANUBIS project. Minim Invasive Ther Allied Technol 19: 257–261
7. Shaikh SN, Thompson CC (2010) Natural orifice translumenal surgery: flexible platform review. World J Gastrointest Surg 2: 210–216
8. Gumbs AA, Fowler D, Milone L, et al (2009) Transvaginal natural orifice transluminal endoscopic surgery cholecystectomy: early evolution of the technique. Ann Surg 249: 908–912
9. www.elektronikpraxis.vogel.de/hmi/articles/452195
10. Wang HW, Jiang JK, Lin CH, et al (2009) Diffuse reflectance spectroscopy detects increased hemoglobin concentration and decreased oxygenation during colon carcinogenesis from normal to malignant tumors. Opt Express 17: 2805–2817
11. Nallala J, Gobinet C, Diebold MD, et al (2012) Infrared spectral imaging as a novel approach for histopathological recognition in colon cancer diagnosis. J Biomed Opt 17: 116013
12. Nguyen QT, Tsien RY (2013) Fluorescence-guided surgery with life molecular navigation – a new cutting edge. Nature Rev Cancer 13: 653–662
13. Londei R, Esposito M, Diotte B, et al (2015) Intra-operative augmented reality in distal locking. Int J Comput Assist Radiol Surg 10: 1395–1403
14. Agostinis P, Berg K, Cengel KA, et al (2011) Photodynamic therapy of cancer: an update. CA Cancer J Clin 61: 250–281
15. Weissleder R, Pittet MJ (2008) Imaging in the era of molecular oncology. Nature 452: 580–589
16. Bencini L, Moraldi L, Bartolini I, Coratti A (2016) Esophageal surgery in minimally invasive era. World J Gastrointest Surg 8: 52–64
17. Biere SS, van Berge Henegouwen MI, Maas KW, et al (2012) Minimally invasive versus open oesophagectomy for patients with oesophageal cancer: a multicentre, open-label, randomised controlled trial. Lancet 379(9829): 1887–1892
18. Luketich JD, Pennathur A, Awais O, et al (2012) Outcomes after minimally invasive esophagectomy: review of over 1000 patients. Ann Surg 256: 95–103
19. Briez N, Piessen G, Torres F, et al (2012) Effects of hybrid minimally invasive oesophagectomy on major postoperative pulmonary complications. Br J Surg 99: 1547–1553
20. Robert-Koch-Institut/Gesellschaft der epidemiologischen Krebsregister in Deutschland e.V. (2015) Krebs in Deutschland 2011/2012. Vol 12. RKI, Berlin
21. SEER Stat Fact Sheets: Stomach cancer [https://seer.cancer.gov/statfacts/html/stomach.html]
22. Leitlinienprogramm Onkologie der AWMF, Deutsche Krebsgesellschaft, Deutsche Krebshilfe (2012) Diagnostik und Therapie der Adenokarzinome des Magens und ösophagogastralen Übergangs.
23. Dupont JB Jr, Lee JR, Burton GR, Cohn I Jr (1978) Adenocarcinoma of the stomach: review of 1,497 cases. Cancer 41: 941–947
24. Hosono S, Arimoto Y, Ohtani H, Kanamiya Y (2006) Meta-analysis of short-term outcomes after laparoscopy-assisted distal gastrectomy. World J Gastroenterol 12: 7676–7683
25. Huscher CG, Mingoli A, Sgarzini G, et al (2005) Laparoscopic versus open subtotal gastrectomy for distal gastric cancer: five-year results of a randomized prospective trial. Ann Surg 241: 232–237
26. Park DJ, Han SU, Hyung WJ, et al (2012) Long-term outcomes after laparoscopy-assisted gastrectomy for advanced gastric cancer: a large-scale multicenter retrospective study. Surg Endosc 26: 1548–1553
27. Chen K, Xu XW, Mou YP, et al (2013) Systematic review and meta-analysis of laparoscopic and open gastrectomy for advanced gastric cancer. World J Surg Oncol 11: 182
28. Tsai SH, Liu CA, Huang KH, et al (2017) Advances in laparoscopic and robotic gastrectomy for gastric cancer. Pathol Oncol Res 23: 13–17
29. Okumura N, Son T, Kim YM, et al (2016) Robotic gastrectomy for elderly gastric cancer patients: comparisons with robotic gastrectomy in younger patients and laparoscopic gastrectomy in the elderly. Gastric Cancer 19: 1125–1134
30. Pelletier JS, Gill RS, Gazala S, Karmali S (2015) A systematic review and meta-analysis of open vs. laparoscopic resection of gastric gastrointestinal stromal tumors. J Clin Med Res 7: 289–296
31. Kunisaki C, Makino H, Takagawa R, et al (2015) A systematic review of laparoscopic total gastrectomy for gastric cancer. Gastric Cancer 18: 218–226
32. Son T, Lee JH, Kim YM, et al (2014) Robotic spleen-preserving total gastrectomy for gastric cancer: comparison with conventional laparoscopic procedure. Surg Endosc 28: 2606–2615
33. Kim YM, Son T, Kim HI, et al (2016) Robotic D2 lymph node dissection during distal subtotal gastrectomy for gastric cancer: toward procedural standardization. Ann Surg Oncol 23: 2409–2410
34. Suda K, Nakauchi M, Inaba K, et al (2016) Robotic surgery for upper gastrointestinal cancer: current status and future perspectives. Dig Endosc 28: 701–713
35. Kim YW, Reim D, Park JY, et al (2016) Role of robot-assisted distal gastrectomy compared to laparoscopy-assisted distal gastrectomy in suprapancreatic nodal dissection for gastric cancer. Surg Endosc 30: 1547–1552
36. Liu G, Shen W, Chen L, Wei B (2016) Robotic versus laparoscopic gastrectomy for gastric cancer: a meta-analysis [Chinese]. Zhonghua Wei Chang Wai Ke Za Zhi 19: 328–333
37. Quijano Y, Vicente E, Ielpo B, et al (2016) Full robot-assisted gastrectomy: surgical technique and preliminary experience from a single center. J Robot Surg 10: 297–306
38. Shen WS, Xi HQ, Chen L, Wei B (2014) A meta-analysis of robotic versus laparoscopic gastrectomy for gastric cancer. Surg Endosc 28: 2795–2802
39. Park JY, Kim YW, Ryu KW, et al (2013) Emerging role of robot-assisted gastrectomy: analysis of consecutive 200 cases. J Gastric Cancer 13: 255–262
40. Finan KR, Cannon EE, Kim EJ, et al (2009) Laparoscopic and open distal pancreatectomy: a comparison of outcomes. Am Surg 75: 671–679
41. Kooby DA, Hawkins WG, Schmidt CM, et al (2010) A multicenter analysis of distal pancreatectomy for adenocarcinoma: is laparoscopic resection appropriate? J Am Coll Surg 210: 779–785
42. Kooby DA, Gillespie T, Bentrem D, et al (2008) Left-sided pancreatectomy: a multicenter comparison of laparoscopic and open approaches. Ann Surg 248: 438–446
43. Cho CS, Kooby DA, Schmidt CM, et al (2011) Laparoscopic versus open left pancreatectomy: can preoperative factors indicate the safer technique? Ann Surg 253: 975–980
44. Mabrut JY, Fernandez-Cruz L, Azagra JS, et al (2005) Laparoscopic pancreatic resection: results of a multicenter European study of 127 patients. Surgery 137: 597–605
45. Iacobone M, Citton M, Nitti D (2012) Laparoscopic distal pancreatectomy: up-to-date and literature review. World J Gastroenterol 18: 5329–5337
46. Joliat GR, Demartines N, Halkic N, et al (2017) Short-term outcomes after distal pancreatectomy: laparotomy vs. laparoscopy – a single-center series. Ann Med Surg (Lond) 13: 1–5

47. Stauffer JA, Coppola A, Mody K, Asbun HJ (2016) Laparoscopic versus open distal pancreatectomy for pancreatic adenocarcinoma. World J Surg 40: 1477–1484
48. Khaled YS, Malde DJ, Packer J, et al (2015) A case-matched comparative study of laparoscopic versus open distal pancreatectomy. Surg Laparosc Endosc Percutan Tech 25: 363–367
49. Sharpe SM, Talamonti MS, Wang E, et al (2015) The laparoscopic approach to distal pancreatectomy for ductal adenocarcinoma results in shorter lengths of stay without compromising oncologic outcomes. Am J Surg 209: 557–563
50. Melotti G, Butturini G, Piccoli M, et al (2007) Laparoscopic distal pancreatectomy: results on a consecutive series of 58 patients. Ann Surg 246: 77–82
51. Hasselgren K, Halldestam I, Fraser MP, et al (2016) Does the introduction of laparoscopic distal pancreatectomy jeopardize patient safety and well-being? Scand J Surg 105: 223–227
52. de Rooij T, Besselink MG, Shamali A, et al (2016) Pan-European survey on the implementation of minimally invasive pancreatic surgery with emphasis on cancer. HPB (Oxford) 18: 170–176
53. Hu M, Zhao G, Wang F, et al (2014) Laparoscopic versus open distal splenopancreatectomy for the treatment of pancreatic body and tail cancer: a retrospective, mid-term follow-up study at a single academic tertiary care institution. Surg Endosc 28: 2584–2591
54. Rehman S, John SK, Lochan R, et al (2014) Oncological feasibility of laparoscopic distal pancreatectomy for adenocarcinoma: a single-institution comparative study. World J Surg 38: 476–483
55. Ricci C, Casadei R, Taffurelli G, et al (2015) Laparoscopic versus open distal pancreatectomy for ductal adenocarcinoma: a systematic review and meta-analysis. J Gastrointest Surg 19: 770–781
56. Dai MH, Shi N, Xing C, et al (2017) Splenic preservation in laparoscopic distal pancreatectomy. Br J Surg 104: 452–462
57. He Z, Qian D, Hua J, et al (2014) Clinical comparison of distal pancreatectomy with or without splenectomy: a meta-analysis. PLoS One 9: e91593
58. Shi N, Liu SL, Li YT, et al (2016) Splenic preservation versus splenectomy during distal pancreatectomy: a systematic review and meta-analysis. Ann Surg Oncol 23: 365–374
59. Kwon W, Jang JY, Kim JH, et al (2016) An analysis of complications, quality of life, and nutritional index after laparoscopic distal pancreatectomy with regard to spleen preservation. J Laparoendosc Adv Surg Tech A 26: 335–342
60. Mehta SS, Doumane G, Mura T, et al (2012) Laparoscopic versus open distal pancreatectomy: a single-institution case-control study. Surg Endosc 26: 402–407
61. Kim SC, Park KT, Hwang JW, et al (2008) Comparative analysis of clinical outcomes for laparoscopic distal pancreatic resection and open distal pancreatic resection at a single institution. Surg Endosc 22: 2261–2268
62. Ntourakis D, Marzano E, De Blasi V, et al (2011) Robotic left pancreatectomy for pancreatic solid pseudopapillary tumor. Ann Surg Oncol 18: 642–643
63. Huang B, Feng L, Zhao J (2016) Systematic review and meta-analysis of robotic versus laparoscopic distal pancreatectomy for benign and malignant pancreatic lesions. Surg Endosc 30: 4078–4085
64. Ocuin LM, Miller-Ocuin JL, Novak SM, et al (2016) Robotic and open distal pancreatectomy with celiac axis resection for locally advanced pancreatic body tumors: a single institutional assessment of perioperative outcomes and survival. HPB (Oxford) 18: 835–842
65. Giulianotti PC, Addeo P, Buchs NC, et al (2011) Robotic extended pancreatectomy with vascular resection for locally advanced pancreatic tumors. Pancreas 40: 1264–1270
66. Gavriilidis P, Lim C, Menahem B, et al (2016) Robotic versus laparoscopic distal pancreatectomy – the first meta-analysis. HPB (Oxford) 18: 567–574
67. Zhou JY, Xin C, Mou YP, et al (2016) Robotic versus laparoscopic distal pancreatectomy: a meta-analysis of short-term outcomes. PLoS One 11: e0151189
68. Guerra F, Pesi B, Amore Bonapasta S, et al (2015) Challenges in robotic distal pancreatectomy: systematic review of current practice. Minerva Chir 70: 241–247
69. Chen Y, Yan J, Yuan Z, et al (2013) A meta-analysis of robotic-assisted pancreatectomy versus laparoscopic and open pancreatectomy. Saudi Med J 34: 1229–1236
70. Place TL, Nau P, Mezhir JJ (2015) Minimally invasive pancreatectomy for cancer: a critical review of the current literature. J Gastrointest Surg 19: 375–386
71. Hallet J, Beyfuss K, Memeo R, et al (2016) Short and long-term outcomes of laparoscopic compared to open liver resection for colorectal liver metastases. Hepatobiliary Surg Nutr 5: 300–310
72. Nguyen KT, Gamblin TC, Geller DA (2009) World review of laparoscopic liver resection – 2,804 patients. Ann Surg 250: 831–841
73. Ciria R, Cherqui D, Geller DA, et al (2016) Comparative short-term benefits of laparoscopic liver resection: 9000 cases and climbing. Ann Surg 263: 761–777
74. Villani V, Bohnen JD, Torabi R, et al (2016) Idealized" vs. „True" learning curves: the case of laparoscopic liver resection. HPB (Oxford) 18: 504–509
75. Giulianotti PC, Bianco FM, Daskalaki D, et al (2016) Robotic liver surgery: technical aspects and review of the literature. Hepatobiliary Surg Nutr 5: 311–321
76. Lacy AM, García-Valdecasas JC, Delgado S, et al (2002) Laparoscopy-assisted colectomy versus open colectomy for treatment of non-metastatic colon cancer: a randomised trial. Lancet 359 (9325): 2224–2229
77. Jayne DG, Thorpe HC, Copeland J, et al (2010) Five-year follow-up of the Medical Research Council CLASICC trial of laparoscopically assisted versus open surgery for colorectal cancer. Br J Surg 97: 1638–1645
78. Keller DS, Delaney CP, Hashemi L, Haas EM (2016) A national evaluation of clinical and economic outcomes in open versus laparoscopic colorectal surgery. J Med Econ 19: 91–100
79. Nelson H, Sargent DJ, COST Study Group (2004) A comparison of laparoscopically assisted and open colectomy for colon cancer. N Engl J Med 350: 2050–2059
80. Bonjer HJ, Hop WC, Nelson H, et al (2007) Laparoscopically assisted vs open colectomy for colon cancer: a meta-analysis. Arch Surg 142: 298–303
81. Schwenk W, Haase O, Neudecker JJ, Müller JM (2005) Short term benefits for laparoscopic colorectal resection. Cochrane Database Syst Rev 3: CD003145
82. Green BL, Marshall HC, Collinson F, et al (2013) Long-term follow-up of the Medical Research Council CLASICC trial of conventional versus laparoscopically assisted resection in colorectal cancer. Br J Surg 100: 75–82
83. Van der Pas MH, Haglind E, Cuesta MA, et al (2013) Laparoscopic versus open surgery for rectal cancer (COLOR II): short-term outcomes of a randomised, phase 3 trial. Lancet Oncol 14: 210–218
84. National Institute for Health and Clinical Excellence; NICE (2010) NICE implementation uptake report: laparoscopic surgery for colorectal cancer. NICE, GB
85. Rasulov AO, Mamedli ZZ, Gordeyev SS, et al (2016) Short-term outcomes after transanal and laparoscopic total mesorectal excision for rectal cancer. Tech Coloproctol 20: 227–234
86. Keller DS, Flores-Gonzalez JR, Ibarra S, et al (2015) Evaluating quality across minimally invasive platforms in colorectal surgery. Presented at the SAGES 2015 Annual Meeting, April 15–18, Nashville, Tennessee
87. Araujo SE, Seid VE, Klajner S (2014) Robotic surgery for rectal cancer: Current immediate clinical and oncological outcomes. World J Gastroenterol 20: 14359–14370
88. Baik SH (2008) Robotic total mesorectal excision for rectal cancer: it may improve survival as well as quality of life. Surg Endosc 22: 1556
89. Memon S, Heriot AG, Murphy DG, et al (2012) Robotic versus laparoscopic proctectomy for rectal cancer: a meta-analysis. Ann Surg Oncol 19: 2095–2101
90. Yang Y, Wang F, Zhang P, et al (2012) Robot-assisted versus conventional laparoscopic surgery for colorectal disease, focusing on rectal cancer: a meta-analysis. Ann Surg Oncol 19: 3727–3736
91. Baik SH, Kwon HY, Kim JS, et al (2009) Robotic versus laparoscopic low anterior resection of rectal cancer: short-term outcome of a prospective comparative study. Ann Surg Oncol 16: 1480–1487