

Surgery for Pancreatic Cancer



Read a good recent review, such as the one cited below, to get an overview of the issues currently faced in treating this disease:

Hidalgo M. Pancreatic cancer. N Engl J Med. 2010 Apr 29;362(17):1605-17. Review. Erratum in: N Engl J Med. 2010 Jul 15;363(3):298. PubMed PMID: 20427809.

For Cancer topics consult the PDQ Adult Treatment Summary for the Healthcare Professional. These are frequently updated and provide a concise summary of the evidence with links to citation. They also include sections on diagnosis and staging.

Pancreatic Cancer - Cancer Treatment Summary

<http://www.cancer.gov/cancertopics/pdq/treatment/pancreatic/HealthProfessional#Reference1.1>

PDQ entries from the National Cancer Institute summarize the incidence, diagnosis, staging, treatment options and palliative strategies for a particular cancer. All are well referenced with links to studies cited in PubMed and all are updated constantly.

Epidemiology

American Cancer Society's "Cancer Facts and Figures" publication. Available online at <http://www.cancer.org/research/cancerfactsstatistics/cancerfactsfigures2013/index>

Selected specialized texts at Countway

1. History of the pancreas*: mysteries of a hidden organ / John M. Howard, Walter Hess. New York, N.Y. : Kluwer Academic/Plenum Publishers, c2002.

* That's right. There is no "e" in pancreas in this book title!

Link to this record <http://hollis.harvard.edu/?itemid=|library/m/aleph|009213026>

- Countway Medicine | WI 800 H849h 2002

2. Pancreatic cancer / [edited by] Daniel D. Von Hoff, Douglas B. Evans, Ralph H. Hruban. Sudbury, Mass. : Jones and Bartlett Publishers, c2005.

Link to this record <http://hollis.harvard.edu/?itemid=|library/m/aleph|010578617>

- Countway Medicine | WI 810 P18815 2005

3. Surgical treatment of pancreatic diseases / [edited by] Walter Siquini. Milan ; New York : Springer, c2009.

Link to this record <http://hollis.harvard.edu/?itemid=|library/m/aleph|011804641>

- Countway Medicine | WI 830 S9624 2009

4. Maingot's abdominal operations / editors, Michael J. Zinner, Stanley W. Ashley.
New York : McGraw-Hill Medical, c2007. [11th ed.]

Online http://nrs.harvard.edu/urn-3:hul.ebook:ACCESS_007144176X

Link to this record <http://hollis.harvard.edu/?itemid=|library/m/aleph|011327929>

- Countway Medicine | WI 900 M225a 2007

- Networked Resource |

Articles on the history of pancreatic cancer surgery

PubMed Results

1. Evolution of the Whipple procedure at the Massachusetts General Hospital. Fernández-del Castillo C, Morales-Oyarvide V, McGrath D, Wargo JA, Ferrone CR, Thayer SP, Lillemoe KD, Warshaw AL. Surgery. 2012 Sep;152(3 Suppl 1):S56-63. doi: 10.1016/j.surg.2012.05.022. Epub 2012 Jul 6. PMID: 22770961 [PubMed - indexed for MEDLINE]
2. Four decades fighting pancreatic cancer. Warshaw AL. Am Surg. 2010 Sep;76(9):921-4. No abstract available. PMID: 20836335 [PubMed - indexed for MEDLINE]
3. Pancreatic insulinoma: current issues and trends. Vaidakis D, Karoubalis J, Pappa T, Piaditis G, Zografos GN. Hepatobiliary Pancreat Dis Int. 2010 Jun;9(3):234-41. Review. PMID: 20525548 [PubMed - indexed for MEDLINE] Free Article
4. Pancreaticoduodenectomy (Whipple operation). Clancy TE, Ashley SW. Surg Oncol Clin N Am. 2005 Jul;14(3):533-52, vii. No abstract available. PMID: 15978428 [PubMed - indexed for MEDLINE]
5. The legacy of Allen Oldfather Whipple. Fuhrman GM. Curr Surg. 2005 Mar-Apr;62(2):275-6. No abstract available. PMID: 15796955 [PubMed - indexed for MEDLINE]
6. Standing on the shoulders of giants. Poston GJ. Eur J Surg Oncol. 2008 Mar;34(3):253-5. Epub 2007 Dec 26. No abstract available. PMID: 18158227 [PubMed - indexed for MEDLINE]
7. History of pancreaticojejunostomy in pancreaticoduodenectomy: development of a more reliable anastomosis technique. Kakita A, Yoshida M, Takahashi T. J Hepatobiliary Pancreat Surg. 2001;8(3):230-7. PMID: 11455485 [PubMed - indexed for MEDLINE]
8. Development and progress in resective surgery for pancreatic cancer. Howard JM. World J Surg. 1999 Sep;23(9):901-6. PMID: 10449818 [PubMed - indexed for MEDLINE]
9. Historical survey of carcinoma of the pancreas. Tsuchiya R, Fujisawa N. J Hepatobiliary Pancreat Surg. 1999;6(2):165-70. PMID: 10398904 [PubMed - indexed for MEDLINE]

10. Cancer of the pancreas. 50 years of surgery. Gudjonsson B. *Cancer*. 1987 Nov 1;60(9):2284-303. PMID: 3326653 [PubMed - indexed for MEDLINE]
11. Cystic neoplasms of the pancreas. Evolution of a concept. Zamora JL. *Am J Surg*. 1985 Jun;149(6):819-23. No abstract available. PMID: 3893181 [PubMed - indexed for MEDLINE]
12. Carcinoma of the pancreas. Warren KW, Braasch JW, Thum CW. *Surg Clin North Am*. 1968 Jun;48(3):601-18. No abstract available. PMID: 4870211 [PubMed - indexed for MEDLINE]

Maingot's abdominal operations (cited above) lists the following citations at the end of its chapter on the history of surgery on the pancreas

1. Halsted WS. Contributions to the surgery of the bile passages, especially of the common bile duct. *Boston Med Surg J* 1899;141:645–654
2. Sauve L. Des pancreatectomies et specialement de la pancreatectomie cephalique. *Rev Chir* 1908;37:335–385
3. Kausch W. Das carcinoma der papilla duodeni und seine radikale entfeinung. *Beitr Z Clinc Chir* 1912;78:439–486
4. Hirschel G. Die resection des duodenums mit der papille wegen karzinoims. *Munchen Med Wochenschr* 1914;61:1728–1730
5. Whipple AO, Parsons WB, Mullins CR. Treatment of carcinoma of the ampulla of Vater. *Ann Surg* 1935;102:763–779
6. American Cancer Society. *Cancer Facts and Figures 2005*. Atlanta: American Cancer Society; 2005
7. Michaud DS. Epidemiology of pancreas cancer. *Minerva Chir* 2004;59:99–111 [[PubMed: 15238885](#)]
8. Yeo CJ. The Whipple procedure in the 1990s. *Adv Surg* 1999;32:271–303 [[PubMed: 9891749](#)]
9. Bettschart V, Rahman MQ, Engelken FJ, et al. Presentation, treatment and outcome in patients with ampullary tumours. *Br J Surg* 2004;91(12):1600–1607 [[PubMed: 15515106](#)]
10. Gold EB, Goldin SB. Epidemiology of and risk factors for pancreatic cancer. *Surg Oncol Clin North Am* 1998;7:67 [[PubMed: 9443987](#)]

Top Ten: most cited studies in Web of Science – 6/27/13

Record 1 of 10

Title: Six hundred fifty consecutive pancreaticoduodenectomies in the 1990s - Pathology, complications, and outcomes

Author(s): Yeo, CJ (Yeo, CJ); Cameron, JL (Cameron, JL); Sohn, TA (Sohn, TA); Lillemoe, KD (Lillemoe, KD); Pitt, HA (Pitt, HA); Talamini, MA (Talamini, MA); Hruban, RH (Hruban, RH); Ord, SE (Ord, SE); Sauter, PK (Sauter, PK); Coleman, J (Coleman, J); Zahurak, ML

(Zahurak, ML); Grochow, LB (Grochow, LB); Abrams, RA (Abrams, RA)
Source: ANNALS OF SURGERY **Volume:** 226 **Issue:** 3 **Pages:** 248-257 **DOI:**
[10.1097/00000658-199709000-00004](https://doi.org/10.1097/00000658-199709000-00004) **Published:** SEP 1997
Times Cited in Web of Science: 992
Total Times Cited: 1037
Accession Number: WOS:A1997YA43300014
Conference Title: 117th Annual Meeting of the American-Surgical-Association
Conference Date: APR 17-19, 1997
Conference Location: QUEBEC CITY, CANADA

Record 2 of 10

Title: Is volume related to outcome in health care? A systematic review and methodologic critique of the literature
Author(s): Halm, EA (Halm, EA); Lee, C (Lee, C); Chassin, MR (Chassin, MR)
Source: ANNALS OF INTERNAL MEDICINE **Volume:** 137 **Issue:** 6 **Pages:** 511-520 **Published:** SEP 17 2002
Times Cited in Web of Science: 670
Total Times Cited: 673
Accession Number: WOS:000178069100006
ISSN: [0003-4819](https://doi.org/10.1003-4819)

Record 3 of 10

Title: Resected adenocarcinoma of the pancreas - 616 patients: Results, outcomes, and prognostic indicators
Author(s): Sohn, TA (Sohn, TA); Yeo, CJ (Yeo, CJ); Cameron, JL (Cameron, JL); Koniaris, L (Koniaris, L); Kaushal, S (Kaushal, S); Abrams, RA (Abrams, RA); Sauter, PK (Sauter, PK); Coleman, J (Coleman, J); Hruban, RH (Hruban, RH); Lillemoe, KD (Lillemoe, KD)
Source: JOURNAL OF GASTROINTESTINAL SURGERY **Volume:** 4 **Issue:** 6 **Pages:** 567-579 **DOI:** [10.1016/S1091-255X\(00\)80105-5](https://doi.org/10.1016/S1091-255X(00)80105-5) **Published:** NOV-DEC 2000
Times Cited in Web of Science: 643
Total Times Cited: 670
Accession Number: WOS:000167919700001

Record 4 of 10

Title: Adjuvant radiotherapy and 5-fluorouracil after curative resection of cancer of the pancreas and periampullary region - Phase III trial of the EORTC Gastrointestinal Tract Cancer Cooperative Group
Author(s): Klinkenbijn, JH (Klinkenbijn, JH); Jeekel, J (Jeekel, J); Sahmoud, T (Sahmoud, T); van Pel, R (van Pel, R); Couvreur, ML (Couvreur, ML); Veenhof, CH (Veenhof, CH); Arnaud, JP (Arnaud, JP); Gonzalez, DG (Gonzalez, DG); de Wit, LT (de Wit, LT); Hennipman, A

(Hennipman, A); Wils, J (Wils, J)

Source: ANNALS OF SURGERY **Volume:** 230 **Issue:** 6 **Pages:** 776-782 **DOI:** [10.1097/00000658-199912000-00006](https://doi.org/10.1097/00000658-199912000-00006) **Published:** DEC 1999

Times Cited in Web of Science: 543

Total Times Cited: 561

Accession Number: WOS:000084421300010

Conference Title: 6th Annual Meeting of the European-Surgical-Association

Conference Date: APR 24, 1999

Conference Location: LONDON, ENGLAND

Conference Host: ROYAL COLL SURG

Record 5 of 10

Title: RANDOMIZED TRIAL OF ENDOSCOPIC STENTING VERSUS SURGICAL BYPASS IN MALIGNANT LOW BILEDUCT OBSTRUCTION

Author(s): SMITH, AC (SMITH, AC); DOWSETT, JF (DOWSETT, JF); RUSSELL, RCG (RUSSELL, RCG); HATFIELD, ARW (HATFIELD, ARW); COTTON, PB (COTTON, PB)

Source: LANCET **Volume:** 344 **Issue:** 8938 **Pages:** 1655-1660 **DOI:** [10.1016/S0140-6736\(94\)90455-3](https://doi.org/10.1016/S0140-6736(94)90455-3) **Published:** DEC 17 1994

Times Cited in Web of Science: 433

Total Times Cited: 447

Accession Number: WOS:A1994PX30200006

Record 6 of 10

Title: Selective referral to high-volume hospitals - Estimating potentially avoidable deaths

Author(s): Dudley, RA (Dudley, RA); Johansen, KL (Johansen, KL); Brand, R (Brand, R); Rennie, DJ (Rennie, DJ); Milstein, A (Milstein, A)

Source: JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION **Volume:** 283 **Issue:** 9 **Pages:** 1159-1166 **DOI:** [10.1001/jama.283.9.1159](https://doi.org/10.1001/jama.283.9.1159) **Published:** MAR 1 2000

Times Cited in Web of Science: 411

Total Times Cited: 411

Accession Number: WOS:000085424100025

Record 7 of 10

Title: Long-term survival after curative resection for pancreatic ductal adenocarcinoma - Clinicopathologic analysis of 5-year survivors

Author(s): Conlon, KC (Conlon, KC); Klimstra, DS (Klimstra, DS); Brennan, MF (Brennan, MF)

Source: ANNALS OF SURGERY **Volume:** 223 **Issue:** 3 **Pages:** 273-279 **DOI:** [10.1097/00000658-199603000-00007](https://doi.org/10.1097/00000658-199603000-00007) **Published:** MAR 1996

Times Cited in Web of Science: 388

Total Times Cited: 396

Accession Number: WOS:A1996TY72000007

Record 8 of 10

Title: Phase III study of gemcitabine in combination with fluorouracil versus gemcitabine alone in patients with advanced pancreatic carcinoma: Eastern Cooperative Oncology Group Trial E2297

Author(s): Berlin, JD (Berlin, JD); Catalano, P (Catalano, P); Thomas, JP (Thomas, JP); Kugler, JW (Kugler, JW); Haller, DG (Haller, DG); Benson, AB (Benson, AB)

Source: JOURNAL OF CLINICAL ONCOLOGY **Volume:** 20 **Issue:** 15 **Pages:** 3270-3275 **DOI:** [10.1200/JCO.2002.11.149](https://doi.org/10.1200/JCO.2002.11.149) **Published:** AUG 1 2002

Times Cited in Web of Science: 386

Total Times Cited: 407

Accession Number: WOS:000177286100016

Record 9 of 10

Title: ASCO 2006 update of recommendations for the use of tumor markers in gastrointestinal cancer

Author(s): Locker, GY (Locker, Gershon Y.); Hamilton, S (Hamilton, Stanley); Harris, J (Harris, Jules); Jessup, JM (Jessup, John M.); Kemeny, N (Kemeny, Nancy); Macdonald, JS (Macdonald, John S.); Somerfield, MR (Somerfield, Mark R.); Hayes, DF (Hayes, Daniel F.); Bast, RC (Bast, Robert C., Jr.)

Source: JOURNAL OF CLINICAL ONCOLOGY **Volume:** 24 **Issue:** 33 **Pages:** 5313-5327 **DOI:** [10.1200/JCO.2006.08.2644](https://doi.org/10.1200/JCO.2006.08.2644) **Published:** NOV 20 2006

Times Cited in Web of Science: 374

Total Times Cited: 396

Record 10 of 10

Title: Pancreaticoduodenectomy with or without distal gastrectomy and extended retroperitoneal lymphadenectomy for periampullary adenocarcinoma, part 2 - Randomized controlled trial evaluating survival, morbidity, and mortality

Author(s): Yeo, CJ (Yeo, CJ); Cameron, JL (Cameron, JL); Lillemoe, KD (Lillemoe, KD); Sohn, TA (Sohn, TA); Campbell, KA (Campbell, KA); Sauter, PK (Sauter, PK); Coleman, J (Coleman, J); Abrams, RA (Abrams, RA); Hruban, RH (Hruban, RH)

Source: ANNALS OF SURGERY **Volume:** 236 **Issue:** 3 **Pages:** 355-368 **DOI:** [10.1097/01.SLA.0000027272.08464.0B](https://doi.org/10.1097/01.SLA.0000027272.08464.0B) **Published:** SEP 2002

Times Cited in Web of Science: 372

Total Times Cited: 404

Accession Number: WOS:000177741500012

Conference Title: 122nd Annual Meeting of the American-Surgical-Association

Conference Date: APR 24-27, 2002

Conference Location: HOT SPRINGS, VIRGINIA

Pain Management

Wong GY, Schroeder DR, Carns PE, Wilson JL, Martin DP, Kinney MO, Mantilla CB, Warner DO. [Effect of neurolytic celiac plexus block on pain relief, quality of life, and survival in patients with unresectable pancreatic cancer: a randomized controlled trial.](#) JAMA. 2004 Mar 3;291(9):1092-9.

Other Data

Incidence and Prevalence Database <http://nrs.harvard.edu/urn-3:hul.eresource:tdrdata>

Images

Select a source at

<https://www.countway.harvard.edu/menuNavigation/userPortals/clinical/Images.html>

ARRS Goldminer offers images from multiple radiologic modalities