

# CURRICULUM VITAE

## **Kyoichi Takaori**

Business Address: Department of Hepato-Biliary-Pancreatic Surgery and Transplantation, Kyoto University Hospital  
54 Kawara-cho, Shogoin, Sakyo-ku  
Kyoto 606-8507, JAPAN  
[Tel: 81-75-751-4323]  
[Fax: 81-75-751-4348]  
Email: takaori@kuhp.kyoto-u.ac.jp

Current Positions: Director: Pancreatic Cancer Unit, Kyoto University Hospital Cancer Center

### Academic Appointments:

Professor, Department of Surgery, Asahi University  
(2007-2008)

Associate Professor, Department of Surgery, Asahi University  
(2000-2003)

Assistant Professor, Department of Physiology and Biophysics, University of Arkansas for Medical Sciences (1993-1994)

Visiting Professor: Department of Surgery, Asahi University (2016-)

Visiting Professor: Faculty of Medicine, University of Belgrade (2017-)

### Education

1985 M.D.: Kyoto University Medical School

1996 Ph.D.: Kyoto University Graduate School of Medicine

### Research and Professional Experiences

1989-1993 Postdoctoral Fellow: Kyoto University Graduate School of Medicine

1993-1994 Assistant Professor: Department of Physiology and Biophysics, University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA.

1995-2000 Staff Surgeon: Department of Abdominal and General Surgery, Tenri Hospital

2000-2003 Associate Professor: Department of Surgery, Asahi University

- 2003-2007 Senior Lecturer: Division of Pancreatic Surgery, Department of General and Gastroenterological Surgery, Osaka Medical College
- 2007-2008 Professor: Department of Surgery, Asahi University
- 2008-2015 Senior Lecturer: Division of Hepato-Biliary- Pancreatic Surgery and Transplantation, Department of Surgery, Kyoto University Graduate School of Medicine
- 2013- Director: Pancreatic Cancer Unit, Kyoto University Hospital Cancer Center
- 2015-2018 Program-Specific Associate Professor: Leaders for Integrated Medical System, Kyoto University
- 2018- Director: Pancreatic Cancer Unit, Kyoto University Hospital Cancer Center

#### Membership and Offices in Scientific Societies

International Association of Pancreatology (Council Observer, Advisory Board of Scientific Committee)

Japan Pancreas Society (Councilor, Chairman of International Committee, Chairman of Familial Pancreatic Cancer Registry Committee)

International Association of Surgeons, Gastroenterologists and Oncologists (Secretary General)

American College of Surgeons (Fellow, Councilor of Japan Chapter)

Pancreas Club (Scientific Committee)

Japan Society for Endoscopic Surgery (Councilor; Chief of Pancreatic Team in Qualification System for Endoscopic Surgery Skill)

Japanese Society of Hepato-Biliary Pancreatic Surgery (Councilor; International Committee, Scientific Committee, Endoscopic Surgery Committee)

#### Editorial Board for Scientific Journals

Vice Editor-in-Chief: *Pancreatology*

Founding Editor: *Surgery, Gastroenterology and Oncology*

Associate Editor: *Digestive Surgery*

Editorial Board: *Journal of Hepato-Biliary Pancreatic Sciences*, *Sriraja Medical Journal*

#### Honor

Honorary Fellowship, Association of Minimal Access Surgeons (2013)

Honorary Fellowship, Royal College of Surgeons Thailand (2019)

#### Activities for Patient's Advocating Groups

Medical Advisory Board, PanCAN Japan

Scientific Advisory Board, Pancreatic Cancer UK

# BIBLIOGRAPHY

## Editorials

1. Takaori K: Dilemma in classifications of possible precursors of pancreatic cancer involving the main pancreatic duct: PanIN or IPMN? *Journal of Gastroenterology*. 38:311-313, 2003.
2. Takaori K: "Revisions of the International Consensus Fukuoka Guidelines for the Management of IPMN of the Pancreas": Progress for twelve years. *Pancreatology*. 17(5):645-646, 2017.
3. Takaori K: Pancreatology. "International consensus on definition and criteria of borderline resectable pancreatic ductal adenocarcinoma 2017": Will this pull us up out of the quagmire of confusing definitions and criteria? *Pancreatology*. 18(1):1, 2018.

## Letters to the Editors

1. Takaori K, Matsusue S, Fujikawa T, Kobashi Y, Ito T, Matsuo Y, Oishi H, Takeda H: Carcinoma in situ of the pancreas associated with localized fibrosis: a clue to early detection of neoplastic lesions arising from pancreatic ducts. *Pancreas*. 17(1):102-105, 1998.
2. Takaori K, Raut V, Uemoto S: Clinical significance of liver ischemia after pancreatic resection. *British Journal of Surgery*. 99(4):597-598, 2012.

## Review articles

1. Takaori K, Hruban RH, Maitra A, Tanigawa N: Pancreatic intraepithelial neoplasia. *Pancreas*. 28(3):257-262, 2004.
2. Hruban RH\*, Takaori K\*, Klimstra DS\*, Adsay NV, Albores-Saavedra J, Biankin AV, Biankin SA, Compton C, Fukushima N, Furukawa T, Goggins M, Kato Y, Klöppel G, Longnecker DS, Lüttges J, Maitra A, Offerhaus GJ, Shimizu M, Yonezawa S (\*All three authors contributed equally to this work): An illustrated consensus on the classification of pancreatic intraepithelial neoplasia (PanIN) and intraductal papillary mucinous neoplasms (IPMNs). *American Journal of Surgical Pathology*. 28(8):977-987, 2004.
3. Maitra A, Fukushima N, Takaori K, Hruban RH: Precursors to invasive pancreatic cancer. *Advances in Anatomic Pathology*. 12(2):81-91, 2005.
4. Takaori K, Hruban RH, Maitra A, Tanigawa N: Current topics on precursors to pancreatic cancer. *Advances in Medical Sciences*. 51:23-30, 2006.
5. Takaori K, Tanigawa N: Laparoscopic pancreatic resection: the past,

- present, and future. *Surgery Today*. 37(7):535-545, 2007.
6. Takaori K: Current understanding of precursors to pancreatic cancer. *Journal of Hepatobiliary Pancreatic Surgery*. 14(3):217-223, 2007.
  7. Hruban RH, Takaori K, Canto M, Fishman EK, Campbell K, Brune K, Kern SE, Goggins M: Clinical importance of precursor lesions in the pancreas. *Journal of Hepatobiliary Pancreatic Surgery* 14(3):255-263, 2007.
  8. Kawaguchi Y, Takaori K, Uemoto S: Genetic lineage tracing, a powerful tool to investigate the embryonic organogenesis and adult organ maintenance of the pancreas. *Journal of Hepatobiliary Pancreatic Sciences* 18(1):1-5, 2011.
  9. Sanjay P, Takaori K, Govil S, Shrikhande SV, Windsor JA: 'Artery-first' approaches to pancreatoduodenectomy. *British Journal of Surgery*. 99(8):1027-1035, 2012.
  10. Wada K, Takaori K, Traverso LW, Hruban RH, Furukawa T, Brentnall TA, Hatori T, Sano K, Takada T, Majima Y, Shimosegawa T: Clinical importance of Familial Pancreatic Cancer Registry in Japan: a report from kick-off meeting at International Symposium on Pancreas Cancer 2012. *Journal of Hepatobiliary Pancreatic Sciences*. 20(6):557-566, 2013.
  11. Bockhorn M, Uzunoglu FG, Adham M, Imrie C, Milicevic M, Sandberg AA, Asbun HJ, Bassi C, Büchler M, Charnley RM, Conlon K, Cruz LF, Dervenis C, Fingerhutt A, Friess H, Gouma DJ, Hartwig W, Lillemoe KD, Montorsi M, Neoptolemos JP, Shrikhande SV, Takaori K, Traverso W, Vashist YK, Vollmer C, Yeo CJ, Izbicki JR; International Study Group of Pancreatic Surgery: Borderline resectable pancreatic cancer: a consensus statement by the International Study Group of Pancreatic Surgery (ISGPS). *Surgery*. 155(6):977-988, 2014.
  12. Takaori K, Bassi C, Biankin A, Brunner TB, Cataldo I, Campbell F, Cunningham D, Falconi M, Frampton AE, Furuse J, Giovannini M, Jackson R, Nakamura A, Nealon W, Neoptolemos JP, Real FX, Scarpa A, Sclafani F, Windsor JA, Yamaguchi K, Wolfgang C, Johnson CD; IAP/EPC study group on the clinical managements of pancreatic cancer: International Association of Pancreatology (IAP)/European Pancreatic Club (EPC) consensus review of guidelines for the treatment of pancreatic cancer. *Pancreatology*. 16(1):14-27, 2016.
  13. Wada K, Takaori K, Traverso LW: Screening for Pancreatic Cancer. *Surgical Clinics of North America*. 95(5):1041-1052, 2015.
  14. Basturk O, Hong SM, Wood LD, Adsay NV, Albores-Saavedra J, Biankin AV, Brosens LA, Fukushima N, Goggins M, Hruban RH, Kato Y, Klimstra DS, Klöppel G, Krasinskas A, Longnecker DS, Matthaei H, Offerhaus GJ, Shimizu M, Takaori K, Terris B, Yachida S, Esposito I, Furukawa T: A Revised Classification System and Recommendations from the Baltimore Consensus Meeting for Neoplastic Precursor

- Lesions in the Pancreas. *American Journal of Surgical Pathology*. 39(12):1730-1741, 2015.
15. Kamisawa T, Wood LD, Itoi T, Takaori K: Pancreatic cancer. *Lancet*. 388(10039):73-85, 2016.
  16. Matsubayashi H, Takaori K, Morizane C, Maguchi H, Mizuma M, Takahashi H, Wada K, Hosoi H, Yachida S, Suzuki M, Usui R, Furukawa T, Furuse J, Sato T, Ueno M, Kiyozumi Y, Hijioka S, Mizuno N, Terashima T, Mizumoto M, Kodama Y, Torishima M, Kawaguchi T, Ashida R, Kitano M, Hanada K, Furukawa M, Kawabe K, Majima Y, Shimosegawa T: Familial pancreatic cancer: Concept, management and issues. *World Journal of Gastroenterology*. 23(6):935-948, 2017.
  17. Bassi C, Marchegiani G, Dervenis C, Sarr M, Abu Hilal M, Adham M, Allen P, Andersson R, Asbun HJ, Besselink MG, Conlon K, Del Chiaro M, Falconi M, Fernandez-Cruz L, Fernandez-Del Castillo C, Fingerhut A, Friess H, Gouma DJ, Hackert T, Izbicki J, Lillemoe KD, Neoptolemos JP, Olah A, Schulick R, Shrikhande SV, Takada T, Takaori K, Traverso W, Vollmer CR, Wolfgang CL, Yeo CJ, Salvia R, Buchler M; International Study Group on Pancreatic Surgery (ISGPS): The 2016 update of the International Study Group (ISGPS) definition and grading of postoperative pancreatic fistula: 11 Years After. *Surgery*. 161(3):584-591, 2017.
  18. Palanivelu C\*, Takaori K\*, Abu Hilal M\*, Kooby DA, Wakabayashi G, Agarwal A, Berti S, Besselink MG, Chen KH, Gumbs AA, Han HS, Honda G, Khatkov I, Kim HJ, Li JT, Duy Long TC, Machado MA, Matsushita A, Menon K, Min-Hua Z, Nakamura M, Nagakawa Y, Pekolj J, Poves I, Rahman S, Rong L, Sa Cunha A, Senthilnathan P, Shrikhande SV, Gurusurthy SS, Yoon DS, Yoon YS, Khatri VP (\*All three authors contributed equally to this work): International Summit on Laparoscopic Pancreatic Resection (ISLPR) "Coimbatore Summit Statements". *Surgical Oncology*. 27(1):A10-A15, 2018.
  19. Gianotti L, Besselink MG, Sandini M, Hackert T, Conlon K, Gerritsen A, Griffin O, Fingerhut A, Probst P, Hilal MA, Marchegiani G, Nappo G, Zerbi A, Amodio A, Perinel J, Adham M, Raimondo M, Asbun HJ, Sato A, Takaori K, Shrikhande SV, Del Chiaro M, Bockhorn M, Izbicki JR, Dervenis C, Charnley RM, Martignoni ME, Friess H, de Pretis N, Radenkovic D, Montorsi M, Sarr MG, Vollmer CM, Frulloni L, Büchler MW, Bassi C. Nutritional support and therapy in pancreatic surgery: A position paper of the International Study Group on Pancreatic Surgery (ISGPS). *Surgery*. 2018 Jul 17. pii: S0039-6060(18)30293-9. doi:10.1016/j.surg.2018.05.040. [Epub ahead of print]
  20. Nakata K, Shikata S, Ohtsuka T, Ukai T, Miyasaka Y, Mori Y, Velasquez VVDM, Gotoh Y, Ban D, Nakamura Y, Nagakawa Y, Tanabe M, Sahara Y, Takaori K, Honda G, Misawa T, Kawai M, Yamaue H, Morikawa T, Kuroki T, Mou Y, Lee WJ, Shrikhande SV,

Tang CN, Conrad C, Han HS, Chinnusamy P, Asbun HJ, Kooby DA, Wakabayashi G, Takada T, Yamamoto M, Nakamura M. Minimally invasive preservation versus splenectomy during distal pancreatectomy: a systematic review and meta-analysis. *J Hepatobiliary Pancreat Sci.* 2018 Jun 26. doi: 10.1002/jhbp.569. [Epub ahead of print]

### **Original articles**

1. Akaji K, Tanaka M, Sumi S, Kogire M, Takaori K, Doi R, Inoue K, Tobe T: Studies on peptides. CXLVII. Synthesis of valosin, a novel 25-residue peptide from porcine intestine. *Chemical and Pharmaceutical Bulletin.* 35(2):535-543, 1987.
2. Sumi S, Inoue K, Kogire M, Doi R, Takaori K, Suzuki T, Yajima H, Tobe T: Effect of synthetic neuromedin-N, a novel neurotensin-like peptide, on exocrine pancreatic secretion and splanchnic blood flow in dogs. *Neuropeptides.* 9(3):247-255, 1987.
3. Sumi S, Inoue K, Kogire M, Doi R, Takaori K, Suzuki T, Yajima H, Tobe T: Effect of synthetic neuromedin U-8 and U-25, novel peptides identified in porcine spinal cord, on splanchnic circulation in dogs. *Life Sciences.* 41(13):1585-1590, 1987.
4. Kogire M, Inoue K, Doi R, Sumi S, Takaori K, Yun M, Fujii N, Yajima H, Tobe T: Effects of intravenous ethanol on hepatic and pancreatic blood flow in dogs. *Digestive Diseases and Sciences.* 33(5):592-597, 1988.
5. Doi R, Inoue K, Kogire M, Sumi S, Takaori K, Suzuki T, Tobe T: Simultaneous measurement of hepatic arterial and portal venous flows by transit time ultrasonic volume flowmetry. *Surgery Gynecology and Obstetrics.* 167(1):65-69, 1988.
6. Doi R, Inoue K, Kogire M, Sumi S, Takaori K, Yun M, Yajima H, Tobe T: Effects of synthetic kassinin on splanchnic circulation and exocrine pancreas in dogs. *Peptides.* 9(5):1055-1058, 1988.
7. Kogire M, Inoue K, Doi R, Sumi S, Takaori K, Yun M, Fujii N, Yajima H, Tobe T: Effects of synthetic human gastric inhibitory polypeptide on splanchnic circulation in dogs. *Gastroenterology.* 95(6):1636-1640, 1988.
8. Takaori K, Inoue K, Kogire M, Doi R, Sumi S, Yun M, Fujii N, Yajima H, Tobe T: Effect of synthetic physalaemin on splanchnic circulation in dogs. *Life Sciences.* 44(10):667-672, 1989.
9. Sumi S, Inoue K, Hosotani R, Kogire M, Doi R, Yun M, Higashide S, Minote H, Takaori K, Kaji H, Tobe T: Effect of human epidermal growth factor (hEGF) on splanchnic circulation in dogs. *Life Sciences.* 47(13):1115-1119, 1990.
10. Higashide S, Inoue K, Takaori K, Sumi S, Minote H, Gu YJ, Yun M,

- Kaji H, Uchida K, Tobe T: Effects of cimetidine on splanchnic circulation in dogs. *Therapeutic Research*. 12(1):154-159, 1991.
11. Yun M, Inoue K, Kaji H, Higashide S, Takaori K, Gu YJ, Kogire M, Toda S, Uchida K, Tobe T: The hemodynamic time course of the pancreas after segmental autotransplantation in dogs. *Transplantation Proceedings*. 23(1 Pt 2):1648-1650, 1991.
  12. Doi R, Inoue K, Hosotani R, Higashide S, Takaori K, Yajima H, Rayford PL, Tobe T: Effects of synthetic human pancreastatin in rats and dogs. *Peptides*. 12(3):499-502, 1991.
  13. Takaori K, Nio Y, Inoue K, Aung T, Tun T, Hashida T, Yasuhara M, Hori R, Tobe T: Effects of FK 506 on immunological parameters in dogs: a comparison to cyclosporine. *Transplantation Proceedings*. 23(6):2948-2949, 1991.
  14. Takaori K, Inoue K, Kogire M, Higashide S, Tun T, Aung T, Doi R, Fujii N, Tobe T: Effects of endothelin on microcirculation of the pancreas. *Life Sciences*. 51(8):615-622, 1992.
  15. Takaori K, Nio Y, Inoue K, Tun T, Fukumoto M, Hashida T, Yasuhara M, Hori R, Tobe T: A comparable study on immunosuppressive effects of cyclosporine and FK 506 on peripheral blood lymphocytes in dogs. *Biotherapy*. 4(2):129-137, 1992.
  16. Takaori K, Inoue K, Nio Y, Aung T, Fukumoto M, Hashida T, Yasuhara M, Hori R, Tobe T: Basic study on immunological effects of cyclosporin A and FK 506 for application to pancreatic transplantation. *Transplantation Proceedings*. 24(3):894-896, 1992.
  17. Inoue K, Kawano T, Kogire M, Takaori K, Suzuki T, Tobe T: Microcirculatory response to feeding, sham feeding, and truncal vagotomy in conscious dogs. *Pancreas*. 8(1):28-33, 1993.
  18. Kogire M, Inoue K, Doi R, Sumi S, Takaori K, Yun M, Hosotani R, Tobe T: Pancreatic exocrine deficiency after partial pancreatectomy in conscious dogs. *European Journal of Surgery*. 159(5):283-286, 1993.
  19. Echigo Y, Inoue K, Kogire M, Doi R, Higashide S, Sumi S, Kaji H, Takaori K, Hayashi H, Thein T, Uchida K, Inamura M: Deteriorating influence of immunosuppressants on caerulein-induced pancreatitis in mice. *Biomedical Research*. 16(2):171-173, 1995.
  20. Doi R, Chowdhury P, Nishikawa M, Takaori K, Inoue K, Imamura M, Rayford PL: Carbachol and cholecystokinin enhance accumulation of nicotine in rat pancreatic acinar cells. *Pancreas*. 10(2):154-160, 1995.
  21. Kogire M, Inoue K, Higashide S, Takaori K, Echigo Y, Gu YJ, Sumi S, Uchida K, Imamura M: Protective effects of endothelin-1 on acute pancreatitis in rats. *Digestive Diseases and Sciences*. 40(6):1207-1212, 1995.
  22. Takaori K, Blevins, Jr. GT, Nishikawa M, Chowdhury P, Rayford PL: Effects of diet on cholecystokinin-stimulated amylase secretion by

- pancreatic acini and amylase mRNA levels in rat pancreas. *Pancreas*. 11(4):402-407, 1995.
23. Nishikawa M, Chowdhury P, Takaori K, Blevins GT Jr, Rayford PL: Effects of diversion and reperfusion of pancreaticobiliary juice on amylase release from isolated rat pancreas. *Journal of the Association for Academic Minority Physicians*. 9(2):26-30, 1998.
  24. Fujikawa T, Matsusue S, Hasegawa S, Asao Y, Kato Y, Takaori K, Nishikawa T, Nishimura S, Nakamura Y, Murakami M, Kuroda Y, Takeda H: Intraoperative radiation therapy (IORT) for pancreatic cancer. *Tenri Medical Bulletin*. 2:20-31, 1999.
  25. Fujikawa T, Matsusue S, Nakamura Y, Takaori K: Role of magnetic resonance cholangiopancreatography (MRCP) in diagnosing pancreatic cancer originating from peripheral duct. *American Journal of Gastroenterology*. 95(5):1378-1379, 2000.
  26. Takaori K, Kobashi Y, Matsusue S, Matsui K, Yamamoto T: Clinicopathological features of pancreatic intraepithelial neoplasias and their relationship to intraductal papillary-mucinous tumors. *Journal of Hepatobiliary Pancreatic Surgery*. 10(2):125-136, 2003.
  27. Lee SW, Shinohara H, Matsuki M, Okuda J, Nomura E, Mabuchi H, Nishiguchi K, Takaori K, Narabayashi I, Tanigawa N: Preoperative simulation of vascular anatomy by three-dimensional computed tomography imaging in laparoscopic gastric cancer surgery. *Journal of the American College of Surgeons*. 197(6):927-936, 2003.
  28. Okano H, Shinohara H, Miyamoto A, Nomura E, Takaori K, Tanigawa N: Concomitant overexpression of cyclooxygenase-2 and its prognostic drawback in human gastric carcinoma expressing HER-2 or lacking Smad4. *Clinical Cancer Research*. 10(20):6938-6945, 2004.
  29. Uchiyama K, Ida K, Okuda J, Asai Y, Ohyama Y, Kuroda M, Matsumoto N, Takami T, Ogawa T, Takaori K: Correlations of Hemoglobin Index (IHb) of gastric mucosa with Helicobacter pylori (H. pylori) infection and inflammation of gastric mucosa. *Scandinavian Journal of Gastroenterology*. 39(11):1054-1060, 2004.
  30. Asai Y, Takaori K, Yamamoto T, Ogawa T: Protein-bound polysaccharide isolated from basidiomycetes inhibits endotoxin-induced activation by blocking lipopolysaccharide-binding protein and CD14 functions. *FEMS Immunology and Medical Microbiology*. 43(1):91-98, 2005.
  31. Takaori K, Nomura E, Mabuchi H, Lee SW, Agui T, Miyamoto Y, Iwamoto M, Watanabe H, Tanigawa N: A secure technique of intracorporeal Roux-Y reconstruction after laparoscopic distal gastrectomy. *American Journal of Surgery*. 189(2):178-183, 2005.
  32. Furukawa T, Klöppel G, Volkan Adsay N, Albores-Saavedra J, Fukushima N, Horii A, Hruban RH, Kato Y, Klimstra DS, Longnecker DS, Luttges J, Offerhaus GJ, Shimizu M, Sunamura M, Suriawinata



- A, Takaori K, Yonezawa S: Classification of types of intraductal papillary-mucinous neoplasm of the pancreas: a consensus study. *Virchows Archives*. 447(5):794-799, 2005.
33. Matsuki M, Inada Y, Nakai G, Tatsugami F, Tanikake M, Narabayashi I, Masuda D, Arisaka Y, Takaori K, Tanigawa N: Diffusion-weighted MR imaging of pancreatic carcinoma. *Abdominal Imaging*. 32(4):481-483, 2007.
  34. Furuyama K, Kawaguchi Y, Akiyama H, Horiguchi M, Kodama S, Kuhara T, Hosokawa S, Elbahrawy A, Soeda T, Koizumi M, Masui T, Kawaguchi M, Takaori K, Doi R, Nishi E, Kakinoki R, Deng JM, Behringer RR, Nakamura T, Uemoto S: Continuous cell supply from a Sox9-expressing progenitor zone in adult liver, exocrine pancreas and intestine. *Nature Genetics*. 43(1):34-41, 2011.
  35. Raut VN, Takaori K, Uemoto S: Optimal tissue tension for secure laparoscopic knots. *Medical Hypotheses*. 76(2):269-270, 2011.
  36. Mitamura K, Hori N, Iida T, Suzuki M, Shimizu T, Nittono H, Takaori K, Takikawa H, Hofmann AF, Ikegawa S: Identification of S-acyl glutathione conjugates of bile acids in human bile by means of LC/ESI-MS. *Steroids*. 76(14):1609-1614, 2011.
  37. Raut V, Takaori K, Kawaguchi Y, Mizumoto M, Kawaguchi M, Koizumi M, Kodama S, Kida A, Uemoto S: Laparoscopic common hepatic artery ligation and staging followed by distal pancreatectomy with en bloc resection of celiac artery for advanced pancreatic cancer. *Asian Journal of Endoscopic Surgery*. 4(4):199-202, 2011.
  38. Yokoyama S, Kitamoto S, Yamada N, Houjou I, Sugai T, Nakamura S, Arisaka Y, Takaori K, Higashi M, Yonezawa S: The application of methylation specific electrophoresis (MSE) to DNA methylation analysis of the 5' CpG island of mucin in cancer cells. *BMC Cancer*. 12:67, 2012.
  39. Odori S, Hosoda K, Tomita T, Fujikura J, Kusakabe T, Kawaguchi Y, Doi R, Takaori K, Ebihara K, Sakai Y, Uemoto S, Nakao K: GPR119 expression in normal human tissues and islet cell tumors: evidence for its islet-gastrointestinal distribution, expression in pancreatic beta and alpha cells, and involvement in islet function. *Metabolism*. 62(1):70-78, 2013.
  40. Meng F, Takaori K, Ito T, Masui T, Kawaguchi M, Kawaguchi Y, Uemoto S: Expression of SOX9 in Intraductal Papillary Mucinous Neoplasms of the Pancreas. *Pancreas*. 43(1):7-14, 2014.
  41. Xue P, Kanai M, Mori Y, Nishimura T, Uza N, Kodama Y, Kawaguchi Y, Takaori K, Matsumoto S, Uemoto S, Chiba T: Neutrophil-to-lymphocyte ratio for predicting palliative chemotherapy outcomes in advanced pancreatic cancer patients. *Cancer Medicine*. 3(2):406-415, 2014.
  42. Nakamura A, Itasaka S, Takaori K, Kawaguchi Y, Shibuya K,

- Yoshimura M, Matsuo Y, Mizowaki T, Uemoto S, Hiraoka M: Radiotherapy for patients with isolated local recurrence of primary resected pancreatic cancer : Prolonged disease-free interval associated with favorable prognosis. *Strahlentherapie und Onkologie*. 190(5):485-490, 2014.
43. Xue P, Kanai M, Mori Y, Nishimura T, Uza N, Kodama Y, Kawaguchi Y, Takaori K, Matsumoto S, Uemoto S, Chiba T: Comparative outcomes between initially unresectable and recurrent cases of advanced pancreatic cancer following palliative chemotherapy. *Pancreas*. 43(3):411-416, 2014.
  44. Yokoyama S, Kitamoto S, Higashi M, Goto Y, Hara T, Ikebe D, Yamaguchi T, Arisaka Y, Niihara T, Nishimata H, Tanaka S, Takaori K, Batra SK, Yonezawa S: Diagnosis of pancreatic neoplasms using a novel method of DNA methylation analysis of mucin expression in pancreatic juice. *PLoS One*. 9(4):e93760, 2014.
  45. Aoki T, Kokudo N, Komoto I, Takaori K, Kimura W, Sano K, Takamoto T, Hashimoto T, Okusaka T, Morizane C, Ito T, Imamura M: Streptozocin chemotherapy for advanced/metastatic well-differentiated neuroendocrine tumors: an analysis of a multi-center survey in Japan. *Journal of Gastroenterology*. 50(7):769-775, 2015.
  46. Okumura S, Kaido T, Hamaguchi Y, Fujimoto Y, Masui T, Mizumoto M, Hammad A, Mori A, Takaori K, Uemoto S: Impact of preoperative quality as well as quantity of skeletal muscle on survival after resection of pancreatic cancer. *Surgery*. 157(6):1088-1098, 2015.
  47. Kou T, Kanai M, Yamamoto M, Xue P, Mori Y, Kudo Y, Kurita A, Uza N, Kodama Y, Asada M, Kawaguchi M, Masui T, Mizumoto M, Yazumi S, Matsumoto S, Takaori K, Morita S, Muto M, Uemoto S, Chiba T: Prognostic model for survival based on readily available pretreatment factors in patients with advanced pancreatic cancer receiving palliative chemotherapy. *International Journal of Clinical Oncology*. 21(1):118-125, 2016.
  48. Kishi T, Nakamura A, Itasaka S, Shibuya K, Matsumoto S, Kanai M, Kodama Y, Takaori K, Mizowaki T, Hiraoka M: Pretreatment C-reactive protein level predicts outcome and patterns of failure after chemoradiotherapy for locally advanced pancreatic cancer. *Pancreatology*. 15(6):694-700, 2015.
  49. Takaori K, Uemoto S: Artery-First Distal Pancreatectomy. *Digestive Surgery*. 33(4):314-319, 2016.
  50. Masui T, Doi R, Kawaguchi Y, Sato A, Nakano K, Ito T, Anazawa T, Takaori K, Uemoto S: Concurrent gemcitabine+S-1 neoadjuvant chemotherapy contributes to the improved survival of patients with small borderline-resectable pancreatic cancer tumors. *Surgery Today*. 46(11):1282-1289, 2016.
  51. Xue P, Hang J, Huang W, Li S, Li N, Kodama Y, Matsumoto S,

- Takaori K, Zhu L, Kanai M: Validation of Lymphocyte-to-Monocyte Ratio as a Prognostic Factor in Advanced Pancreatic Cancer: An East Asian Cohort Study of 2 Countries. *Pancreas*. 46(8):1011-1017, 2017.
52. Kou T, Kanai M, Yamamoto Y, Kamada M, Nakatsui M, Sakuma T, Mochizuki H, Hiroshima A, Sugiyama A, Nakamura E, Miyake H, Minamiguchi S, Takaori K, Matsumoto S, Haga H, Seno H, Kosugi S, Okuno Y, Muto M: Clinical sequencing using a next-generation sequencing-based multiplex gene assay in patients with advanced solid tumors. *Cancer Science*. 108(7):1440-1446, 2017.
53. Sato A, Masui T, Nakano K, Sankoda N, Anazawa T, Takaori K, Kawaguchi Y, Uemoto S: Abdominal contamination with *Candida albicans* after pancreaticoduodenectomy is related to hemorrhage associated with pancreatic fistulas. *Pancreatology*. 17(3):484-489, 2017.
54. Okumura S, Kaido T, Hamaguchi Y, Kobayashi A, Shirai H, Yao S, Yagi S, Kamo N, Hatano E, Okajima H, Takaori K, Uemoto S: Visceral Adiposity and Sarcopenic Visceral Obesity are Associated with Poor Prognosis After Resection of Pancreatic Cancer. *Annals of Surgical Oncology*. 24(12):3732-3740, 2017.
55. Masui T, Takaori K, Anazawa T, Sato A, Nakano K, Uchida Y, Yogo A, Goto Y, Matsumoto S, Kodama Y, Kanai M, Isoda H, Mizumoto M, Kawaguchi Y, Shibuya K, Itasaka S, Uemoto S: A Prospective Study of Intensity-Modified Radiation Therapy in Comparison with Conventional 3D-RT for BR Pancreatic Cancer Patients with Arterial Involvement. *Anticancer Research*. 37(12):7023-7030, 2017.
56. Masui T, Sato A, Nakano K, Uchida Y, Yogo A, Anazawa T, Nagai K, Kawaguchi Y, Takaori K, Uemoto S: Comparison of Recurrence Between Pancreatic and Duodenal Neuroendocrine Neoplasms After Curative Resection: A Single-Institution Analysis. *Annals of Surgical Oncology*. 25(2):528-534, 2018.
57. Ohtsuka T, Ban D, Nakamura Y, Nagakawa Y, Tanabe M, Gotoh Y, Velasquez VVDM, Nakata K, Sahara Y, Takaori K, Honda G, Misawa T, Kawai M, Yamaue H, Morikawa T, Kuroki T, Mou Y, Lee WJ, Shrikhande SV, Tang CN, Conrad C, Han HS, Palanivelu C, Asbun HJ, Kooby DA, Wakabayashi G, Takada T, Yamamoto M, Nakamura M. Difficulty scoring system in laparoscopic distal pancreatectomy. *J Hepatobiliary Pancreat Sci*. 2018 Aug 17. doi: 10.1002/jhbp.578. [Epub ahead of print]
58. Tsuda M, Fukuda A, Roy N, Hiramatsu Y, Leonhardt L, Kakiuchi N, Hoyer K, Ogawa S, Goto N, Ikuta K, Kimura Y, Matsumoto Y, Takada Y, Yoshioka T, Maruno T, Yamaga Y, Kim GE, Akiyama H, Ogawa S, Wright CV, Saur D, Takaori K, Uemoto S, Hebrok M, Chiba T, Seno H. The BRG1/SOX9 axis is critical for acinar cell-derived pancreatic tumorigenesis. *J Clin Invest*. 2018 Aug 1;128(8):3475-3489.

59. Goto Y, Nakamura A, Ashida R, Sakanaka K, Itasaka S, Shibuya K, Matsumoto S, Kanai M, Isoda H, Masui T, Kodama Y, Takaori K, Hiraoka M, Mizowaki T. Clinical evaluation of intensity-modulated radiotherapy for locally advanced pancreatic cancer. *Radiat Oncol.* 2018 Jun 25;13(1):118.
60. Goto Y, Ashida R, Nakamura A, Itasaka S, Shibuya K, Akimoto M, Mukumoto N, Matsumoto S, Kanai M, Isoda H, Masui T, Kodama Y, Nakamura M, Takaori K, Mizowaki T, Hiraoka M. Clinical results of dynamic tumor tracking intensity-modulated radiotherapy with real-time monitoring for pancreatic cancers using a gimbal mounted linac. *Oncotarget.* 2018 May 4;9(34):23628-23635.
61. Ikuta K, Fukuda A, Ogawa S, Masuo K, Goto N, Hiramatsu Y, Tsuda M, Kimura Y, Matsumoto Y, Kimura Y, Maruno T, Kanda K, Nishi K, Takaori K, Uemoto S, Takaishi S, Chiba T, Nishi E, Seno H. Nardilysin inhibits pancreatitis and suppresses pancreatic ductal adenocarcinoma initiation in mice. *Gut.* 2018 May 24. pii: gutjnl-2017-315425. doi: 10.1136/gutjnl-2017-315425. [Epub ahead of print]
62. Kondo T, Kanai M, Kou T, Sakuma T, Mochizuki H, Kamada M, Nakatsui M, Uza N, Kodama Y, Masui T, Takaori K, Matsumoto S, Miyake H, Okuno Y, Muto M. Association between homologous recombination repair gene mutations and response to oxaliplatin in pancreatic cancer. *Oncotarget.* 2018 Apr 13;9(28):19817-19825.
63. Kimura Y, Fukuda A, Ogawa S, Maruno T, Takada Y, Tsuda M, Hiramatsu Y, Araki O, Nagao M, Yoshikawa T, Ikuta K, Yoshioka T, Wang Z, Akiyama H, Wright CV, Takaori K, Uemoto S, Chiba T, Seno H. ARID1A Maintains Differentiation of Pancreatic Ductal Cells and Inhibits Development of Pancreatic Ductal Adenocarcinoma in Mice. *Gastroenterology.* 2018 Jul;155(1):194-209.
64. Uchida Y, Masui T, Sato A, Nagai K, Anazawa T, Takaori K, Uemoto S. Computer tomographic assessment of postoperative peripancreatic collections after distal pancreatectomy. *Langenbecks Arch Surg.* 2018 May;403(3):349-357.

### **Case reports**

1. Fujikawa T, Kurata M, Takaori K, Matsusue S, Takeda H, Sakai S: Solitary cavernous hemangioma of the duodenum: report of a case. *Surgery Today.* 26(10):807-809, 1996.
2. Fujikawa T, Kato Y, Takaori K, Nakamura Y, Matsusue S, Takeda H: Case report of pediatric laparoscopic splenectomy with technical review. *Surgical Laparoscopy Endoscopy and Percutaneous Techniques.* 7(3):202-205, 1997.
3. Tsukada H, Takaori K, Ishiguro S, Tsuda T, Ota S, Yamamoto T: Giant cystic lymphangioma of the small bowel mesentery: report of a case. *Surgery Today.* 32(8):734-737, 2002.

4. Hori T, Takaori K, Uemoto S; Pancreatic neuroendocrine tumor accompanied with multiple liver metastases. *World Journal of Hepatology*. 2014;6(8):596-600
5. Hori T, Takaori K, Kawaguchi M, Ogawa K, Masui T, Ishii T, Nagata H, Narita M, Kodama Y, Uza N, Uemoto S: Non-functioning pancreatic neuroendocrine tumor accompanied with multiple liver metastases: remorseful case and literature review. *JOP*. 15(6):622-625, 2014.
6. Hori T, Masui T, Kaido T, Ogawa K, Yasuchika K, Yagi S, Seo S, Takaori K, Mizumoto M, Iida T, Fujimoto Y, Uemoto S: Laparoscopic Distal Pancreatectomy with or without Preservation of the Spleen for Solid Pseudopapillary Neoplasm. *Case Reports in Surgery*. 2015:487639, 2015.
7. Tada S, Iida T, Anazawa T, Yagi S, Seo S, Masui T, Kaido T, Takaori K, Uemoto S: Successful laparoscopic distal pancreatectomy for a large solid pseudopapillary neoplasm: A case report. *Asian Journal of Endoscopic Surgery*. 10(3):317-320, 2017.
8. Sato A, Masui T, Sankoda N, Nakano K, Uchida Y, Anazawa T, Takaori K, Kawaguchi Y, Uemoto S: A case of successful conversion from everolimus to surgical resection of a giant pancreatic neuroendocrine tumor. *Surgical Case Reports*. 3(1):82, 2017.

### **Book chapters**

1. Sumi S, Inoue K, Kogire M, Doi R, Takaori K, Suzuki T, Yajima H, Tobe T: Vasoactivity of neuromedin-N, a newly identified peptide. In *Microcirculation Annual 1987*, edited by Tsuchiya M, Asano M, Shozawa T, Nihon Igakukan (Tokyo), pp11-12, 1987.
2. Doi R, Inoue K, Kogire M, Sumi S, Takaori K, Yun M, Yajima H, Tobe T: Effects of Prostaglandin E1 on splanchnic circulation. In *Microcirculation Annual 1987*, edited by Tsuchiya M, Asano M, Shozawa T, Nihon Igakukan (Tokyo), pp15-16, 1987.
3. Inoue K, Hosotani R, Kogire M, Sumi S, Doi R, Takaori K, Suzuki T, Yajima H, Tobe T: Decreased pancreatic tissue blood flow in response to peptide YY. In *Microcirculation Annual 1987*, edited by Tsuchiya M, Asano M, Shozawa T, Nihon Igakukan (Tokyo), pp19-20, 1987.
4. Sumi S, Inoue K, Kogire M, Doi R, Takaori K, Yun M, Suzuki T, Yajima H, Tobe T: Hemodynamic response of canine splanchnic organs to neuromedin U-8 and U-25, novel peptides identified from the porcine spinal cord. In *Microcirculation an Update, Volume 1*, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp261-262, 1987.
5. Doi R, Inoue K, Kogire M, Sumi S, Takaori K, Yun M, Yajima H, Suzuki T, Tobe T: Effects of synthetic kassinin on pancreatic tissue blood flow and exocrine secretion with simultaneous observation on

- hepatic and intestinal circulation in dogs. In *Microcirculation an Update*, Volume 1, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp269-270, 1987.
6. Kogire M, Inoue K, Doi R, Sumi S, Takaori K, Yun M, Tobe T: Simultaneous measurements of hepatic and pancreatic blood flow following intravenous administration of ethanol in dogs. In *Microcirculation an Update*, Volume 2, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp353-356, 1987.
  7. Doi R, Inoue K, Kogire M, Sumi S, Takaori K, Yun M, Suzuki T, Tobe T: Study on effects of prostaglandin E1 on hepatic and intestinal circulation with simultaneous observation on pancreatic tissue blood flow and exocrine secretion. In *Microcirculation an Update*, Volume 2, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp383-384, 1987.
  8. Inoue K, Hosotani R, Kogire M, Sumi S, Doi R, Takaori K, Yun M, Suzuki T, Yajima H, Tobe T: Hemodynamic response of the pancreas to bombesin-like peptides: measurement by laser Doppler perfusion monitor. In *Microcirculation an Update*, Volume 2, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp407-408, 1987.
  9. Inoue K, Kawano T, Hosotani R, Kogire M, Sumi S, Doi R, Takaori K, Yun M, Suzuki T, Yajima H, Tobe T: Microcirculation of the pancreas in conscious dogs: hemodynamic response to VIP and food. In *Microcirculation an Update*, Volume 2, edited by Tsuchiya M, Asano M, Mishima Y, Oda M, Elsevier Science Publishers (Amsterdam), pp409-410, 1987.
  10. Inoue K, Kawano T, Hosotani R, Kogire M, Sumi S, Doi R, Takaori K, Yun M, Suzuki T, Yajima H, Tobe T: Comparative studies on microcirculation of the pancreas in anesthetized and conscious dogs. In *Microcirculation in Circulatory Disorders*, edited by Manabe H, Zweifach B, Messmer K, Springer-Verlag (Tokyo, Heidelberg, London), pp489-493, 1988.
  11. Inoue K, Sumi S, Higashide S, Doi R, Minote H, Takaori K, Yun M, Gu YJ, Kogire M, Uchida K, Tobe T: Measurement of canine hepatic blood flow in the conscious state: effects of VIP and EGF. In *Microcirculation Annual 1990*, edited by Tsuchiya M, Asano M, Shozawa T, Nihon Igakukan (Tokyo), pp125-126, 1990.
  12. Higashide S, Inoue K, Sumi S, Takaori K, Minote H, Yun M, Kaji H, Tobe T: Effects of porcine vasoactive intestinal polypeptide (VIP) on splanchnic circulation in anesthetized and conscious dogs. In *New Trends in Autonomic Nervous System Research*, edited by Yoshikawa M, Uono M, Tanabe H, Ishikawa S, Elsevier Science Publishers (Amsterdam, London, New York, Tokyo), pp293-294, 1991.

13. Takaori K, Inoue K, Doi R, Higashide S, Uchida K, Tobe T: The effects of prostaglandin E1 on blood flow of the liver. In *New Trends in Autonomic Nervous System Research*, edited by Yoshikawa M, Uono M, Tanabe H, Ishikawa S, Elsevier Science Publishers (Amsterdam, London, New York, Tokyo), pp297-298, 1991.
14. Takaori K, Nio Y, Inoue K, Shiraishi T, Tsubono M, Tseng CC, Kawabata K, Hashida T, Yasuhara M, Hori R, Uchida K, Tobe T: Immunological assessment in dogs treated with cyclosporin A. In *Frontiers in Mucosal Immunology, Volume 2*, edited by Tsuchiya M, Nagura H, Hibi T, Moro I, Elsevier Science Publishers (Amsterdam, New York, Oxford), pp635-636, 1992.
15. Maitra A, Hruban RH, Takaori K: Pancreatic Intraepithelial Neoplasia (PanIN) versus Intraductal Papillary Mucinous Neoplasm (IPMN): More than just a storm in a teacup. In *Forum on Carcinoma in Situ of the Pancreas*, edited by Atomi H, Takaori K, Medical Tribune (Tokyo), pp12-22, 2005.
16. Takaori K, Tanigawa N: Acute Care Surgery: Japan. In *Acute Care Surgery: Principles and Practice*, edited by Britt LD, Turkey DD, Organ Jr. C, Feliciano DV, Springer-Verlag New York (New York), pp796-807, 2007.
17. Takaori K, Uemoto S. Artery-First Approaches to Pancreaticoduodenectomy. In *Multimodality Management of Borderline Resectable Pancreatic Cancer*, edited by Katz MHG, Ahmad SA, Springer International Publishing (Switzerland), pp 223-236, 2016.