



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26 - 28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

CURRICULUM VITAE

Joon Seong Park, MD, PhD.

**Professor of Hepatobiliary Pancreas Cancer Clinic, Department of Surgery,
Gangnam Severance Hospital Yonsei University Health System
211 Eonju-ro, Gangnam-gu, Seoul, Korea Zip code: 135-720**

Phone: +82-2-2019-3375

FAX: +82-2-3462-5994

E-mail: jspark330@yuhs.ac

PROFESSIONAL APPOINTMENTS

- | | |
|----------------|---|
| 2007 - Present | Professor of Surgery, Gangnam Severance Hospital, Yonsei University |
| 2012 - 2016 | Associate Professor of Surgery, Gangnam Severance Hospital, Yonsei University |
| 2012 - 2014 | Visiting Professor, Pancreas Cancer Research, Department of Surgery University of Minnesota, MN, USA |
| 2007 - 2011 | Assistant Professor of Surgery, Gangnam Severance Hospital, Yonsei University |
| 2005 - 2006 | Clinical Fellow, Hepatobiliary Pancreas surgery, Gangnam Severance Hospital |

EDUCATION

- | | |
|-------------|---|
| 2007 - 2011 | Yonsei University (Ph.D) |
| 2001 - 2006 | Yonsei University (Master) |
| 1991 - 1997 | Yonsei University College of Medicine (M.D) |

POST-GRADUATING TRAINING

- | | |
|-------------|---|
| 1997 - 1998 | Internship, Severance Hospital, Yonsei University |
| 1999 - 2002 | Residency, Severance Hospital, Yonsei University |
| 2002 | Korean National Board of Surgery |

MEDICAL LICENCES

- | | |
|------|--------------------------------|
| 1997 | Medical Doctor License (Korea) |
| 2002 | Korean Board of Surgery |

Scientific publications

1. **Clinical validation of scoring systems of postoperative pancreatic fistula after pancreatoduodenectomy: applicability to Eastern cohorts?**

Kang JS, Park T, Han Y, Lee S, Kim JR, Kim H, Kwon W, Kim SW, Heo JS, Choi SH, Choi DW, Kim SC, Hong TH, Yoon DS, **Park JS**, Park SJ, Han SS, Choi SB, Kim JS, Lim CS, Jang JY. *Hepatobiliary Surg Nutr.* 2019 Jun;8(3):211-218

2. **The Effect of Nutrition Intervention with Oral Nutritional Supplements on Pancreatic and Bile Duct Cancer Patients Undergoing Chemotherapy.**

Kim SH, Lee SM, Jeung HC, Lee IJ, **Park JS**, Song M, Lee DK, Lee SM. *Nutrients.* 2019 May 22;11(5)

3. **Validation of the 8th AJCC Cancer Staging System for Pancreas Neuroendocrine Tumors Using Korean Nationwide Surgery Database.**

You Y, Jang JY, Kim SC, Yoon YS, **Park JS**, Cho CK, Park SJ, Yang JD, Lee WJ, Hong TH, Ahn KS, Jeong CY, Lee HK, Lee SE, Roh YH, Kim HJ, Kim H, Han IW. *Cancer Res Treat.* 2019 Apr 19. doi: 10.4143

4. **Specific protein 1(SP1) regulates the epithelial-mesenchymal transition via lysyl oxidase-like 2(LOXL2) in pancreatic ductal adenocarcinoma.**

Kim IK, Lee YS, Kim HS, Dong SM, **Park JS**, Yoon DS. *Sci Rep.* 2019 Apr 11;9(1):5933.

5. **Risk factors associated with locoregional failure and estimation of survival after curative resection for patients with distal bile duct cancer.**

Im JH, **Park JS**, Yoon DS, Lee DK, Kim JW, Lee IJ. *Sci Rep.* 2019 Mar 25;9(1):5061.

6. **A phase II study of intraoperative radiotherapy using a low-energy x-ray source for resectable pancreatic cancer: a study protocol.**

Kim JW, Cho Y, Kim HS, Choi WH, **Park JS**, Lee IJ. *BMC Surg.* 2019 Mar 7;19(1):31.

7. **Benchmarks in Pancreatic Surgery: A Novel Tool for Unbiased Outcome Comparisons.**

Sánchez-Velázquez P, Muller X, Malleo G, **Park JS**, Hwang HK, Napoli N, Javed AA, Inoue Y, Beghdadi N, Kalisvaart M, Vigia E, Walsh CD, Lovasik B, Busquets J, Scandavini C, Robin F, Yoshitomi H, Mackay TM, Busch OR, Hartog H, Heinrich S, Gleisner A, Perinel J, Passeri M, Lluís N, Raptis DA, Tschuor C, Oberkofler CE, DeOliveira ML, Petrowsky H, Martinie J, Asbun H, Adham M, Schulick R, Lang H, Koerkamp BG, Besselink MG, Han HS, Miyazaki M, Ferrone CR, Fernández-Del Castillo C, Lillemoe KD, Sulpice L, Boudjema K, Del Chiaro M, Fabregat J, Kooby DA, Allen P, Lavu H, Yeo CJ, Barroso E, Roberts K, Muiesan P, Sauvanet A, Saiura A, Wolfgang CL, Cameron JL, Boggi U, Yoon DS, Bassi C, Puhan MA, Clavien PA. *Ann Surg.* 2019 Aug;270(2):211-218

8. **Big data and analysis of risk factors for gallbladder disease in the young generation of Korea.**

Kim HS, Cho SK, Kim CS, **Park JS**. *PLoS One.* 2019 Feb 22;14(2):e0211480. doi: 10.1371

9. **Leucine-rich repeat-containing G-protein coupled receptor 5 enriched organoids under chemically-defined growth conditions.**

Hahn S, Kim MS, Choi SY, Jeong S, Jee J, Kim HK, Jeong SY, Shin H, Kim HS, **Park JS**, Yoo J. *Biochem Biophys Res Commun.* 2019 Jan 8;508(2):430-439

10. **Preliminary Findings on the Effectiveness of Meaning-Centered Psychotherapy in Patients with Pancreatobiliary Cancer.**



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

Ryu JS, Choi SW, Yun SS, Koo BH, Choi IS, Kim SJ, **Park JS**, Seok JH, Yoon DS. *Yonsei Med J*. 2018 Nov;59(9):1107-1114.

11. Protective effect of Korean red ginseng on oxaliplatin-mediated splenomegaly in colon cancer. Kang J, **Park JS**, Ahn SG, Lim JH, Baik SH, Yoon DS, Lee KY, Jeong J. *Ann Surg Treat Res*. 2018 Sep;95(3):161-167

12. Application of an early oral feeding protocol after pylorus-preserving pancreaticoduodenectomy. Cho J, Kim HM, Song M, **Park JS**, Lee SM. *Support Care Cancer*. 2019 Mar;27(3):981-990.

13. True learning curve of laparoscopic spleen-preserving distal pancreatectomy with splenic vessel preservation. Kim HS, **Park JS**, Yoon DS. *Surg Endosc*. 2019 Jan;33(1):88-93.

14. Effects of Preoperative Oral Carbohydrates on Quality of Recovery in Laparoscopic Cholecystectomy: A Randomized, Double Blind, Placebo-Controlled Trial. Lee JS, Song Y, Kim JY, **Park JS**, Yoon DS. *World J Surg*. 2018 Oct;42(10):3150-3157.

15. Oncological Benefits of Neoadjuvant Chemoradiation With Gemcitabine Versus Upfront Surgery in Patients With Borderline Resectable Pancreatic Cancer: A Prospective, Randomized, Open-label, Multicenter Phase 2/3 Trial.

Jang JY, Han Y, Lee H, Kim SW, Kwon W, Lee KH, Oh DY, Chie EK, Lee JM, Heo JS, Park JO, Lim DH, Kim SH, Park SJ, Lee WJ, Koh YH, **Park JS**, Yoon DS, Lee IJ, Choi SH. *Ann Surg*. 2018 Aug;268(2):215-222.

16. Establishing a colorectal cancer liver metastasis patient-derived tumor xenograft model for the evaluation of personalized chemotherapy.

Jung J, Kim J, Lim HK, Kim KM, Lee YS, **Park JS**, Yoon DS. *Ann Surg Treat Res*. 2017 Oct;93(4):173-180.

17. ANO9/TMEM16J promotes tumourigenesis via EGFR and is a novel therapeutic target for pancreatic cancer.

Jun I, Park HS, Piao H, Han JW, An MJ, Yun BG, Zhang X, Cha YH, Shin YK, Yook JI, Jung J, Gee HY, **Park JS**, Yoon DS, Jeung HC, Lee MG. *Br J Cancer*. 2017 Dec 5;117(12):1798-1809.

18. Long-term outcomes and recurrence patterns of standard versus extended pancreatectomy for pancreatic head cancer: a multicenter prospective randomized controlled study.

Jang JY, Kang JS, Han Y, Heo JS, Choi SH, Choi DW, Park SJ, Han SS, Yoon DS, **Park JS**, Yu HC, Kang KJ, Kim SG, Lee H, Kwon W, Yoon YS, Han HS, Kim SW. *J Hepatobiliary Pancreat Sci*. 2017 Jul;24(7):426-433.

19. Prediction of pancreatic fistula after pancreatoduodenectomy by preoperative dynamic CT and fecal elastase-1 levels.

Kang JH, **Park JS**, Yu JS, Chung JJ, Kim JH, Cho ES, Yoon DS. *PLoS One*. 2017 May 11;12(5):e0177052



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

10. Laparoscopic resection of retroperitoneal benign neurilemmoma.

Ji JH, **Park JS**, Kang CM, Yoon DS, Lee WJ. *Ann Surg Treat Res.* 2017 Mar;92(3):149-155

11. Preoperative fecal elastase-1 is a useful prognostic marker following curative resection of pancreatic cancer.

Lim JH, **Park JS**, Yoon DS. *HPB (Oxford).* 2017 Mar 9. pii: S1365-182X(17)30009-6

12. Surgical management of malignant bowel obstruction in recurrent pancreatic cancer.

Kim HS, **Park JS**, Lim JH, Back JH, Yoon DS. *Int J Surg Case Rep.* 2017 Jan 12;32:40-42.

13. Prognostic Factors and Scoring Model for Survival in Metastatic Biliary Tract Cancer.

Park HS, **Park JS**, Chun YJ, Roh YH, Moon J, Chon HJ, Choi HJ, Park JS, Lee DK, Lee SJ, Yoon DS, Jeung HC. *Cancer Res Treat.* 2017 Feb 6. doi: 10.4143

14. A Study on the Dietary Intake and the Nutritional Status among the Pancreatic Cancer Surgical Patients.

Kang J, **Park JS**, Yoon DS, Kim WJ, Chung HY, Lee SM, Chang N. *Clin Nutr Res.* 2016 Oct;5(4):279-289.

15. Emerging role of LOXL2 in the promotion of pancreas cancer metastasis.

Park JS, Lee JH, Lee YS, Kim JK, Dong SM, Yoon DS. *Oncotarget.* 2016 Jun 7.

16. Should Gastric Decompression be a Routine Procedure in Patients Who Undergo Pylorus-Preserving Pancreatoduodenectomy?

Park JS, Kim JY, Kim JK, Yoon DS. *World J Surg.* 2016 Jun 6

17. Correlation of Early Recurrence With In Vitro Adenosine Triphosphate Based Chemotherapy Response Assay in Pancreas Cancer With Postoperative Gemcitabine Chemotherapy.

Park JS, Kim JK, Yoon DS. *J Clin Lab Anal.* 2016 Mar 17.

18. Robotic versus laparoscopic left lateral sectionectomy of liver.

Kim JK, **Park JS**, Han DH, Choi GH, Kim KS, Choi JS, Yoon DS. *Surg Endosc.* 2016 Feb 22.



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

19. Prognostic Scoring Index for Patients with Metastatic Pancreatic Adenocarcinoma. Park HS, Lee HS, **Park JS**, Park JS, Lee DK, Lee SJ, Yoon DS, Lee MG, Jeung HC. *Cancer Res Treat*. 2016 Feb 3.

20. Use of TachoSil(®) patches to prevent pancreatic leaks after distal pancreatectomy: a prospective, multicenter, randomized controlled study.

Park JS, Lee DH, Jang JY, Han Y, Yoon DS, Kim JK, Han HS, Yoon Y, Hwang D, Kang CM, Hwang HK, Lee WJ, Heo J, Chang YR, Kang MJ, Shin YC, Chang J, Kim H, Jung W, Kim SW. *J Hepatobiliary Pancreat Sci*. 2016 Feb;23(2):110-7.

21. Is Pancreaticoduodenectomy Feasible for Recurrent Remnant Bile Duct Cancer Following Bile Duct Segmental Resection? Lee JG, Lee SH, Lim JH, **Park JS**, Yoon DS, Kim KS. *J Gastrointest Surg*. 2015 Sep 4.

22. Surgery Alone Versus Surgery Followed by Chemotherapy and Radiotherapy in Resected Extrahepatic Bile Duct Cancer: Treatment Outcome Analysis of 336 Patients.

Im JH, Seong J, Lee IJ, **Park JS**, Yoon DS, Kim KS, Lee WJ, Park KR. *Cancer Res Treat*. 2015 Jul 22. doi: 10.4143/crt.2015.091.'

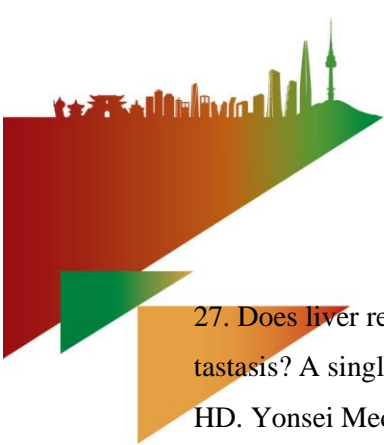
23. Does international study group on pancreatic fistula (ISGPF) classification need modification after distal pancreatectomy? Ho IG, Kim JK, Hwang HK, Kim JY, **Park JS**, Yoon DS. *Korean J Hepatobiliary Pancreat Surg*. 2014 Aug;18(3):90-3.

24. Analysis of the roles of glucose transporter 1 and hexokinase 2 in the metabolism of glucose by extrahepatic bile duct cancer cells. Yoon SO, Jeon TJ, **Park JS**, Ryu YH, Lee JH, Yoo JS, Kim JK, Yoon DS, Oh EJ. *Clin Nucl Med*. 2015 Mar;40(3):e178-82.

25. The role of abdominal drainage to prevent of intra-abdominal complications after laparoscopic cholecystectomy for acute cholecystitis: prospective randomized trial.

Park JS, Kim JH, Kim JK, Yoon DS. *Surg Endosc*. 2015 Feb;29(2):453-7.

26. A survey of attitudes to clinical practice guidelines in general and adherence of the Korea practical guidelines for management of gallbladder polyp: a survey among private clinicians in Korea. Jeong J, Kim JK, **Park JS**, Yoon DS. *Korean J Hepatobiliary Pancreat Surg*. 2014 May;18(2):52-5.



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

27. Does liver resection provide long-term survival benefits for breast cancer patients with liver metastasis? A single hospital experience. Kim JY, **Park JS**, Lee SA, Kim JK, Jeong J, Yoon DS, Lee HD. *Yonsei Med J.* 2014 May;55(3):558-62.

28. A model for predicting pancreatic leakage after pancreaticoduodenectomy based on the international study group of pancreatic surgery classification. Kim JY, **Park JS**, Kim JK, Yoon DS. *Korean J Hepatobiliary Pancreat Surg.* 2013 Nov;17(4):166-70.

29. Can we predict postoperative pancreatic leakage after pancreaticoduodenectomy using preoperative fecal elastase-1 level? Shin HW, Kim JK, **Park JS**, Yoon DS. *J Clin Lab Anal.* 2013 Sep;27(5):379-83.

30. P16 hypermethylation predicts surgical outcome following curative resection of mid/distal bile duct cancer. **Park JS**, Park YN, Lee KY, Kim JK, Yoon DS. *Ann Surg Oncol.* 2013 Aug;20(8):2511-7.

31. Drainage volume after pancreaticoduodenectomy is a warning sign of chyle leakage that inversely correlates with a diagnosis of pancreatic fistula. Kim JK, **Park JS**, Hwang HK, Shin HW, Yoon DS. *World J Surg.* 2013 Apr;37(4):854-62.

32. Laparoscopic major liver resection in Korea: a multicenter study.

Hwang DW, Han HS, Yoon YS, Cho JY, Kwon Y, Kim JH, **Park JS**, Yoon DS, Choi IS, Ahn KS, Kim YH, Kang KJ, Kim YH, Roh YH, Chu CW, Kim HC, Kang CM, Choi GH, Choi JS, Kim KS, Lee WJ, Yun SS, Kim HJ, Min SK, Lee HK, Song IS, Chun KS, Cho EH, Han SS, Park SJ. *J Hepatobiliary Pancreat Sci.* 2013 Feb;20(2):125-30.

33. Current status of laparoscopic liver resection in Korea.

Park JS, Han HS, Hwang DW, Yoon YS, Cho JY, Koh YS, Kwon CH, Kim KS, Kim SB, Kim YH, Kim HC, Chu CW, Lee DS, Kim HJ, Park SJ, Han SS, Song TJ, Ahn YJ, Yoo YK, Yu HC, Yoon DS, Lee MK, Lee HK, Min SK, Jeong CY, Hong SC, Choi IS, Hur KY. *J Korean Med Sci.* 2012 Jul;27(7):767-71.

34. The effect of visceral fat mass on pancreatic fistula after pancreaticoduodenectomy.

Park CM, **Park JS**, Cho ES, Kim JK, Yu JS, Yoon DS. *J Invest Surg.* 2012 Jun;25(3):169-73.



A Leap from the Foundation to Fine Art
HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26 - 28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA
www.khbps.org



35. Prognostic significance of angiogenesis by Chalkley counting in node negative cancer of the ampulla of Vater. **Park JS**, Kim HK, Hong SW, Kim JK, Yoon DS. J Korean Med Sci. 2012 May;27(5):495-9.

36. Postoperative nutritional effects of early enteral feeding compared with total parental nutrition in pancreaticoduodenectomy patients: a prospective, randomized study. **Park JS**, Chung HK, Hwang HK, Kim JK, Yoon DS. J Korean Med Sci. 2012 Mar;27(3):261-7.

37. Comparison of efficacy of enucleation and pancreaticoduodenectomy for small (<3 cm) branch duct type intraductal papillary mucinous neoplasm located at the head of pancreas and the uncinate process. Hwang HK, **Park JS**, Kim JK, Park CM, Cho SI, Yoon DS. Yonsei Med J. 2012 Jan;53(1):106-10.

38. The impact of body mass index on pancreatic fistula after pancreaticoduodenectomy in Asian patients on the basis of Asia-Pacific perspective of body mass index. Hwang HK, **Park JS**, Park CI, Kim JK, Yoon DS. JOP. 2011 Nov 9;12(6):586-92.

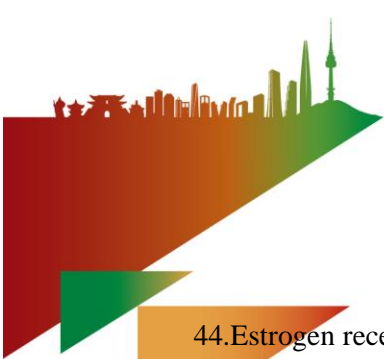
39. Outcome of adjuvant therapy for gallbladder cancer. Park HS, Lim JY, Yoon DS, **Park JS**, Lee DK, Lee SJ, Choi HJ, Song SY, Lee WJ, Cho JY. Oncology. 2010;79(3-4):168-73

40. Clinical validation and risk factors for delayed gastric emptying based on the International Study Group of Pancreatic Surgery (ISGPS) Classification. **Park JS**, Hwang HK, Kim JK, Cho SI, Yoon DS, Lee WJ, Chi HS. Surgery. 2009 Nov;146(5):882-7

41. The first laparoscopic resection of extra-adrenal pheochromocytoma using the da Vinci robotic system. **Park JS**, Lee KY, Kim JK, Yoon DS. J Laparoendosc Adv Surg Tech A. 2009 Feb;19(1):63-5.

42. Early experiences of robotic-assisted laparoscopic liver resection. Choi SB, **Park JS**, Kim JK, Hyung WJ, Kim KS, Yoon DS, Lee WJ, Kim BR. Yonsei Med J. 2008 Aug 30;49(4):632-8.

43. Left hemihepatectomy and caudate lobectomy and complete extrahepatic bile duct resection using transduodenal approach for hilar cholangiocarcinoma arising from biliary papillomatosis. Kim JK, Hwang HK, **Park JS**, Cho SI, Yoon DS, Chi HS. J Surg Oncol. 2008 Aug 1;98(2):139-42.



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

44. Estrogen receptor alpha, estrogen receptor beta, and progesterone receptor as possible prognostic factor in radically resected gallbladder carcinoma. **Park JS**, Jung WH, Kim JK, Hwang HK, Cho SI, Yoon DS, Chi HS, Kim BR. J Surg Res. 2009 Mar;152(1):104-10.

45. Transduodenal local resection for low-risk group ampulla of Vater carcinoma. **Park JS**, Yoon DS, Park YN, Lee WJ, Chi HS, Kim BR. J Laparoendosc Adv Surg Tech A. 2007 Dec;17(6):737-42.

46. Actual recurrence patterns and risk factors influencing recurrence after curative resection with stage II gallbladder carcinoma. **Park JS**, Yoon DS, Kim KS, Choi JS, Lee WJ, Chi HS, Kim BR. J Gastrointest Surg. 2007 May;11(5):631-7.

47. What is the best treatment modality for adrenal metastasis from hepatocellular carcinoma? **Park JS**, Yoon DS, Kim KS, Choi JS, Lee WJ, Chi HS, Kim BR. J Surg Oncol. 2007 Jul 1;96(1):32-6.

48. Factors influencing recurrence after curative resection for ampulla of Vater carcinoma. **Park JS**, Yoon DS, Kim KS, Choi JS, Lee WJ, Chi HS, Kim BR. J Surg Oncol. 2007 Mar 15;95(4):286-90.

49. [Analysis of prognostic factors after curative resection for gallbladder carcinoma]. **Park JS**, Yoon DS, Kim KS, Choi JS, Lee WJ, Chi HS, Kim BR. Korean J Gastroenterol. 2006 Jul;48(1):32-6.

50. The actual five-year survival rate of hepatocellular carcinoma patients after curative resection. Lee JG, Kang CM, **Park JS**, Kim KS, Yoon DS, Choi JS, Lee WJ, Kim BR. Yonsei Med J. 2006 Feb 28;47(1):105-12.

51. Clinical significance of p16 protein expression loss and aberrant p53 protein expression in pancreatic cancer. Jeong J, Park YN, **Park JS**, Yoon DS, Chi HS, Kim BR. Yonsei Med J. 2005 Aug 31;46(4):519-25.



A Leap from the Foundation to Fine Art

HBP SURGERY WEEK 2020

& The 52nd Annual congress of the
Korean Association of HBP Surgery

MARCH 26-28, 2020 SEOUL DRAGON CITY, SEOUL, KOREA

www.khbps.org



The Korean Association of
Hepato-Biliary-Pancreatic Surgery

Research activity

Fund from Yonsei University Research Foundation

LOXL2 regulate gemcitabine resistance mechanism in pancreatic cancer (2019-2021)

Fund from Rural Development Administration, Korea

Development and clinical application of Invalid Foods using mealworms (2017-2019)

Fund from Ministry of Science, ICT and Future planning

LOXL2 regulation of N-WASP in pancreas cancer (2015-2017)

Fund from Yonsei University Research Foundation

The Effect of pancreas volume and Visceral fat mass on New Onset Diabetes after pancreaticoduodenectomy (2015-2016)

Fund from Research Foundation

Nutritional Status and oral intake after pancreas surgery (2015-2016)

Fund from Yonsei University Research Foundation

Discovery of Sp1 inhibitor using Virtual Screening and Docking Study (2014-2015)

Fund from Research Foundation

Functional Role of SP1 in Pancreas cancer (2014-2016)

Fund from Research Foundation

Development of prognostic prediction system and Drug discovery for pancreas cancer using Pancreas Patient Derived Xenograft Model (2014-2016)

Fund from Research Foundation

Prognostic factors in Pancreas cancer with postoperative gemcitabine chemotherapy (2012-2014)

Fund from Yonsei University Research Foundation

A Prospective, randomized trial of Early Enteral Feeding after PPPD (2010-2012)