

Curriculum Vitae

 <p style="text-align: center;">Photo</p>	Name in Full	PARK, JOO KYUNG
	Country	REPUBLIC OF KOREA (SOUTH KOREA)
	Affiliation	SAMSUNG MEDICAL CENTER, SUNGKYUNKWAN UNIVERSITY SCHOOL OF MEDICINE
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Educational Background		
1994-2000	M.D.	Seoul National University College of Medicine
2003-2005	M.S.	Graduate School, Seoul National University College of Medicine
2009-2014	Ph.D.	Graduate School, Seoul National University College of Medicine
Professional Career		
2004 Resident Dept. Internal Medicine, Seoul National University Hospital		
2007 Fellow Dept. Internal Medicine, Seoul National University Hospital		
2009 Assistant Professor Dept. Internal Medicine, Seoul National University Hospital		
2011 Post-Doctoral Research Fellow, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA		
2014 Associate Professor Dept. of Internal Medicine, Seoul National University Hospital		
2015~ Present Associate Professor Dept. Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine		

Research Field
<p><u>Interested in Pancreas and Biliary Tract Tumor Biology</u></p> <ul style="list-style-type: none"> ✓ Establishment of Pancreatic Ductal Adenocarcinoma Organoids Model using Endoscopic Ultrasonography-Guided Fine Needle Biopsy ✓ Development of Drug Screening Platform using PDAC Patient Avatar, PDAC Organoids Model: Chemotherapy Efficacy between Organoid and Real-World Data ✓ Unraveling Tumor-Immune Heterogeneity and Suppressive Microenvironment in Pancreatic Ductal Adenocarcinoma ✓ An investigation of the Association between Inherited Lysosomal Storage Disorder Gene and PDAC based on Two Hit Theory ✓ Microbiome profiling and metabolomics analysis in pancreatobiliary cancer for Precision Medicine ✓ Evaluation of extracellular vesicle-derived and their roles in pancreatic cancer development and progression.

- ✓ Clinical significance of circulating tumor cells in pancreatic ductal adenocarcinoma: a prospective evaluation as a prognostic marker
- ✓ Circulating tumor DNA tracking for early detection and minimal residual disease monitoring using next-generation sequencing in pancreatic cancer
- ✓ Single-cell profiling of tumor heterogeneity and the microenvironment in biliary tract cancers
- ✓ Artificial intelligence-powered spatial analysis of tumor-infiltrating lymphocytes as a complementary prognostic biomarker for patients with resectable pancreatic cancer.
- ✓ Investigation of triceps skinfold as a prognostic predictor in pancreatic cancer

Recent Research Paper: 1st or Corresponding Authorship only

Genetic assessment of pathogenic germline alterations in lysosomal genes among Asian patients with pancreatic ductal adenocarcinoma. Koh Y, Kim H, Joo SY, Song S, Choi YH, Kim HR, Moon B, Byun J, Hong J, Shin DY, Park S, Lee KH, Lee KT, Lee JK, Park D, Lee SH, Jang JY, Lee H, Kim JA, Yoon SS, Park JK. *J Transl Med.* 2023 Oct 17;21(1):730. doi: 10.1186/s12967-023-04549-x.

Outcomes of Palliative Chemotherapy for Ampulla of Vater Adenocarcinoma: A Multicenter Cohort Study.

Jang DK, Kim SJ, Chung HH, Lee JM, Yoon SB, Lee JC, Shin DW, Hwang JH, Jung MK, Lee YS, Lee HS, Park JK; Korean Society of Gastrointestinal Cancer. *Gut Liver.* 2023 Dec 22. doi: 10.5009/gnl230164. Online ahead of print.

Characterization of background noise in capture-based targeted sequencing data. Park G, Park JK, Shin SH, Jeon HJ, Kim NKD, Kim YJ, Shin HT, Lee E, Lee KH, Son DS, Park WY, Park D. *Genome Biol.* 2017 Jul 21;18(1):136. doi: 10.1186/s13059-017-1275-2.

Efficacy of EUS-guided and ERCP-guided biliary drainage for malignant biliary obstruction: prospective randomized controlled study. Park JK, Woo YS, Noh DH, Yang JI, Bae SY, Yun HS, Lee JK, Lee KT, Lee KH. *Gastrointest Endosc.* 2018 Aug;88(2):277-282. doi: 10.1016/j.gie.2018.03.015. Epub 2018 Mar 30.

Utility of targeted deep sequencing for detecting circulating tumor DNA in pancreatic cancer patients. Park G, Park JK, Son DS, Shin SH, Kim YJ, Jeon HJ, Lee J, Park WY, Lee KH, Park D. *Sci Rep.* 2018 Aug 2;8(1):11631. doi: 10.1038/s41598-018-30100-w.

Primary and Metastatic Pancreatic Cancer Cells Exhibit Differential Migratory Potentials. Park JK, Hank T, Scherber CM, Lillemoe KD, Fernández-Del Castillo C, Warshaw AL, Toner M, Irimia D, Thayer SP, Liss AS. *Pancreas.* 2020 Jan;49(1):128-134

Detection of Circulating Tumor Cells in Resectable Pancreatic Ductal Adenocarcinoma: A Prospective Evaluation as a Prognostic Marker. Song BG, Kwon W, Kim H, Lee EM, Han YM, Kim H, Byun Y, Lee KB, Lee KH, Lee KT, Lee JK, Jang JY, Park JK. *Front Oncol.* 2021 Feb 18;10:616440. doi: 10.3389/fonc.2020.616440. eCollection 2020

Clinical Characteristics of Clonorchis sinensis-Associated Cholangiocarcinoma: A Large-Scale, Single-Center Study. Chang JI, Lee K, Kim D, Yang JI, Park JK, Choi K, Kang SH, Lee KH, Lee KT, Lee JK, Park SM, Park JK. *Front Med (Lausanne).* 2021 May 28;8:675207. doi: 10.3389/fmed.2021.675207. eCollection 2021.

Association between non-alcoholic fatty liver disease and the risk of biliary tract cancers: A South Korean nationwide cohort study. Park JH, Hong JY, Kwon M, Lee J, Han K, Han IW, Kang W, Park JK. *Eur J Cancer*. 2021 Jun;150:73-82. doi: 10.1016/j.ejca.2021.03.024. Epub 2021 Apr 20.

Accurate Prognosis Prediction of Pancreatic Ductal Adenocarcinoma Using Integrated Clinico-Genomic Data of Endoscopic Ultrasound-Guided Fine Needle Biopsy. Park JK, Kim H, Son DS, Kim NKD, Sung YK, Cho M, Lee C, Noh DH, Lee SH, Lee KT, Lee JK, Jang KT, Park WY, Lee KH. *Cancers (Basel)*. 2021 Jun 3;13(11):2791. doi: 10.3390/cancers13112791.

Diagnostic Concordance and Preoperative Risk Factors for Malignancy in Pancreatic Mucinous Cystic Neoplasms. Kim GH, Choi K, Paik N, Lee KT, Lee JK, Lee KH, Han IW, Kang SH, Heo JS, Park JK. *Gut Liver*. 2022 Jul 15;16(4):637-644. doi: 10.5009/gnl210231. Epub 2021 Dec 21.

Clinical significance of circulating tumor cells after chemotherapy in unresectable pancreatic ductal adenocarcinoma. Kim H, Heo CM, Oh J, Chung HH, Lee EM, Park J, Lee SH, Lee KH, Lee KT, Lee JK, Cho YK, Park JK. *Transl Oncol*. 2022 Feb;16:101321. doi: 10.1016/j.tranon.2021.101321. Epub 2021 Dec 23

Increased risk of pancreatic cancer in individuals with non-alcoholic fatty liver disease. Park JH, Hong JY, Han K, Kang W, Park JK. *Sci Rep*. 2022 Jun 23;12(1):10681. doi: 10.1038/s41598-022-14856-w.

Clinical Clues of Pre-Symptomatic Pancreatic Ductal Adenocarcinoma Prior to Its Diagnosis: A Retrospective Review of CT Scans and Laboratory Tests. Chung HH, Lim KS, Park JK. *Clin Pract*. 2022 Jan 17;12(1):70-77. doi: 10.3390/clinpract12010008.

Risk Factors for High-Risk Adenoma on the First Lifetime Colonoscopy Using Decision Tree Method: A Cross-Sectional Study in 6,047 Asymptomatic Koreans. Chung KH, Park MJ, Jin EH, Seo JY, Song JH, Yang SY, Kim YS, Yim JY, Lim SH, Kim JS, Chung SJ, Park JK. *Front Med (Lausanne)*. 2021 Sep 23;8:719768. doi: 10.3389/fmed.2021.719768. eCollection 2021

Postoperative Prognostic Predictors of Bile Duct Cancers: Clinical Analysis and Immunoassays of Tissue Microarrays. Chung HH, Seo SH, Kim H, Kim Y, Kim DW, Lee KH, Lee KT, Heo JS, Han IW, Park SM, Jang KT, Lee JK, Park JK. *Gut Liver*. 2023 Jan 15;17(1):159-169