

Position Title	Professor of Medicine/Nephrology Seoul National University College of Medicine, Seoul National University Hospital (SNUH), Seoul, Korea
Contact Address	Division of Nephrology, Department of Internal Medicine, SNUH 101, Daehak-ro, Jongno-gu, Seoul 03080, Rep. of Korea
Education	
1992~1998	Medical Doctor: Yonsei University, College of Medicine, Seoul, Korea
2001~2003	Master's Thesis: "Changes in causative organisms and their antimicrobial susceptibilities in CAPD peritonitis"; Mentor: Prof. Shin-Wook Kang, Department of Internal Medicine, Yonsei University, College of Medicine, Seoul, Korea
2007~2010	Doctoral Dissertation: "The impact of translationally controlled tumor protein on the podocyte hypertrophy under diabetic conditions"; Mentor: Prof. Shin-Wook Kang, Department of Internal Medicine, Yonsei University, College of Medicine
Training	
Mar 1998~Feb 1999	Internship, Yonsei University Medical Center (YUMC), Severance Hospital, Seoul, Korea
Mar 1999~Feb 2003	Internal Medicine Residency training, YUMC, Severance Hospital
Mar 2006~Feb 2009	Nephrology Fellowship, Yonsei University, College of Medicine, YUMC, Severance Hospital
Academic Posts	
Mar 2009~Aug 2012	Clinical Assistant Professor of Medicine/Nephrology, SNUH
Sep 2012~Aug 2017	Associate Professor of Medicine/Nephrology, Seoul National University College of Medicine, SNUH
Sep 2017~Present	Professor of Medicine/Nephrology, Seoul National University College of Medicine, SNUH
Professional Memberships	
1999~Present	Member of the Korean Society of Internal Medicine
2003~Present	Member of the Korean Society of Nephrology
2009~Present	Member of the International Society of Nephrology (#67194)
2015~Present	Member of the American Society of Nephrology (#153373)
2016~Present	Member of the Asian Pacific Society of Nephrology (#KR16L13)
Advisory Board/Committee Memberships	
2012~Present	Member, Kidney Research Institute, Seoul National University (SNU)
2019~Present	Chair, KOrea Renal biobank NETwoRK System TOward NExt-generation analysis (KORNERSTONE), supported by the Ministry of health and welfare, the Republic of Korea
2019~Present	Chief, Dept. Clinical operations, SNUH
2020~Present	Director, Center for Hospital Medicine, SNUH
2020~Present	Treasurer, KSN
2020~Present	Head, SNUH Biobank
2020~Present	Review Board, Basic Research in Science and Engineering, National Research Foundation of Korea
2010~2016	Member (Secretary 2010-2012), Committee on Scientific Programs, KSN
2012~2013	Task Force Steering Committee, WG, Korea Biobank Project 2 nd Period
2012~2014	Member (Secretary), Committee on Collaborative Studies, KSN
2012~2018	Member, Institutional Review Board, SNUH
2013~2016	Member, Committee on Nephrology Subspecialty, Korean Society of Internal Medicine
2014~2016	Member (Secretary), Committee on Public Relations, KSN
2015~2016	Member, Committee on Scientific Programs, Korean Society of Artificial Organ
2015~2017	Secretary, Kidney Research Institute, SNU
2016~2016	Member, Task Force Steering Committee, WG, Korea Biobank Project 3 rd Period
2016~2018	Director of Research Planning, Medical Research Center, SNU College of Medicine
2016~2018	Secretary, KSN
2016~2019	Member, Educational Board, The Korean Association of Internal Medicine
2017~2019	Advisory board member, Human bioresources Distribution Review Board, KCDC
2018~2020	Secretary-General, KSN
2019~2020	Chair, Big data advisory board, The Korean Society of Nephrology (KSN)
2016~2020	Chief, Div. Central Laboratories, Dept. Research & Experiment, SNUH Biomed Research Institute
2010~2020	Vice-chief, SNUH Human Biobank
Award	
Research Excellence Award (Dept. Internal Med SNUH, 2011)	
4 th Hamchun Education Award (Dept. Internal Med. SNU College of Medicine, 2015)	
KSN Academic Excellence Award (KSN, 2017)	
27 th Award for the best research paper (The Korean Federation of Science and Technology Societies, 2017)	
KRCP (Kidney Research and Clinical Practice) Contribution Award (KSN, 2020)	

Peer-reviewed Publications (Bold, main authorship; *, corresponding authorship)

1. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Atrial fibrillation and kidney function: A bidirectional Mendelian randomization study. *Eur Heart J* 2021 [accepted]
2. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effects of physical activity or sedentary behaviors on kidney function: An integrated population-scale observational analysis and Mendelian randomization study. *Nephrol Dial Transplant* 2021 [accepted]
3. Park S, Lee S, Kim Y, Cho S, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effects of homocysteine, folate, and cobalamin on kidney function: A Mendelian randomization study. *Nutrients* 2021 [accepted]
4. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effects of positive affect, life satisfaction, depressive symptoms, and neuroticism on kidney function: A Mendelian randomization study. *J Am Soc Nephrol* 2021 [accepted]
5. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effect of alcohol use on the risk of end-stage kidney disease and related comorbidities: A Mendelian randomization study. *Kidney Res Clin Pract* 2021 [accepted]
6. Kim Y, Lee S, Lee Y, Park S, Park S, Paek JH, Park WY, Jin K, Han S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Han K, **Kim DK***. The minimum-mortality eGFR percentile shifts upward in the aged population: a nationwide population-based study. *Clin Kidney J* 2021 [accepted]
7. Kim Y, Lee S, Lee Y, Kang MW, Park S, Park S, Han K, Paek JH, Park WY, Jin K, Han S, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Predictive value of TG/HDL-cholesterol for major clinical outcomes in advanced chronic kidney disease: a nationwide population-based study. *Clin Kidney J* 2021 [accepted]
8. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effects of education on chronic kidney disease: A Mendelian randomization study. *Clin Kidney J* 2021 [accepted]
9. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Observational or genetically predicted higher vegetable intake and kidney function impairment: An integrated population-scale observational analysis and Mendelian randomization study. *J Nutr* 2021 [e-pub] (PMID: 33693791)
10. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Causal effects of relative fat, protein, and carbohydrate intake on chronic kidney disease: A Mendelian randomization study. *Am J Clin Nutr* 2021 [e-pub] (PMID: 33564816)
11. Kim JE, Han D, Jeong JS, Moon JJ, Moon HK, Lee S, Kim YC, Yoo KD, Lee JW, Kim DK, Kwon YJ, Kim YS, Yang SH. Multi-sample mass spectrometry-based approach for discovering injury markers in chronic kidney disease. *Mol Cell Proteomics* 2021 [e-pub] (PMID: 33453410)
12. Park S, Han K, Lee S, Kim Y, Lee Y, Kang MW, Park S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Cardiovascular or mortality risk of controlled hypertension and importance of physical activity. *Heart* 2021 [e-pub] (PMID: 33402363)
13. Jo HA*, **Kim DK***, Park S, Kim Y, Han SS, Yang BR, Choi SH, Kim MS, Lee J, Lee H, Lee JP, Lim CS, Kim YS, Joo KW. Cardiovascular risk of non-steroidal anti-inflammatory drugs in dialysis patients: a nationwide population-based study. *Nephrol Dial Transplant* 2021 [e-pub] (PMID: 31943085) (*equally contributed as a primary author)
14. Yun D, Kim DK, Lee JP, Kim YS, Oh S, Lim CS. Can sodium fluorescein cause contrast-induced nephropathy? *Nephrol Dial Transplant* 2021 [e-pub] (PMID: 31773157)
15. Cho S, Kang E, Kim JE, Kang U, Kang HG, Park M, Kim K, Kim DK, Joo KW, Kim YS, Yoon HJ, Lee H. Clinical Significance of Acute Kidney Injury in Lung Cancer Patients. *Cancer Res Treat* 2021 [e-pub] (PMID: 33494125)
16. Lee H, Yun D, Yoo J, Yoo K, Kim YC, Kim DK, Oh KH, Joo KW, Kim YS, Kwak N, Han SS. Deep Learning Model for Real-Time Prediction of Intradialytic Hypotension. *Clin J Am Soc Nephrol* 2021 Mar 8;16(3):396-406 (PMID: 33574056)
17. Park S, Park J, Kim M, Kim JE, Yu MY, Kim K, Park M, Kim YC, Kim DK, Joo KW, Kim YS, Lee H. Socioeconomic dependency and kidney transplantation accessibility and outcomes: a nationwide observational cohort study in South Korea. *J Nephrol* 2021 Feb;34(1):211-219 (PMID: 33048288)
18. Jo HA, Hyeon JS, Yang SH, Jung Y, Ha H, Jeong CW, Kwak C, Kim Y, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Hwang GS, **Kim DK***. Fumarate modulates phospholipase A2 receptor autoimmunity-induced podocyte injury in membranous nephropathy. *Kidney Int* 2021 Feb 99(2):443-455 (PMID: 32712166)
19. Kang M, Kim YC, Lee H, Kim DK, Oh KH, Joo KW, Kim YS, Chin HJ, Han SS. Renal outcomes in adult patients with horseshoe kidney. *Nephrol Dial Transplant* 2021 Feb 20;36(3):498-503 (PMID: 31697372)
20. Park S, Park GC, Park J, Kim JE, Yu MY, Kim K, Park M, Kim YC, Kim DK, Joo KW, Kim YS, Lee H. Disparity in accessibility to and prognosis of kidney transplantation according to economic inequality in South Korea: a widening gap after expansion of insurance coverage. *Transplantation* 2021 Feb 1;105(2):404-412 (PMID: 32265414)
21. Park S, Han K, Lee S, Kim Y, Lee Y, Kang MW, Park S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Smoking, development of or recovery from metabolic syndrome, and major adverse cardiovascular events: a nationwide population-based cohort study including 6 million people. *PLoS One* 2021 Jan 12;16(1):e02416232021 (PMID: 33434198)
22. Lee J, Kim YC, Kwon S, Li L, Oh S, Kim DH, An JN, Cho JH, Kim DK, Kim YL, Oh YK, Lim CS, Kim YS, Lee JP. Impact of health-related quality of life on survival after dialysis initiation: a prospective cohort study in Korea. *Kidney Res Clin Pract* 2020 Dec 31;39(4):426-440 (PMID: 33318340)
23. Jhee JH, Park JY, An JN, Kim DK, Joo KW, Oh YK, Lim CS, Kim YS, Han SH, Yoo TH, Kang SW, Lee JP, Park JT. Cumulative fluid balance and mortality in elderly patients with acute kidney injury requiring continuous renal-replacement therapy: a multicenter prospective cohort study. *Kidney Res Clin Pract* 2020 Dec 31;39(4):414-425 (PMID: 33318341)

24. Lee S, Park S, Kim Y, Lee Y, Kang MW, Cho S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Han K, **Kim DK***. Impact of variability in estimated glomerular filtration rate on major clinical outcomes: a nationwide population-based study. *PLoS One*. 2020 Dec 17;15(12):e0244156 (PMID: 33332407)
25. Park S, Lee S, Kim Y, Lee Y, Kang MW, Kim K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Short or long sleep duration and CKD: a Mendelian randomization study. *J Am Soc Nephrol* 2020 Dec;31(12):2937-2947 (PMID: 33004418)
26. Park S, Han K, Lee S, Kim Y, Lee Y, Kang MW, Park S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, **Kim DK***. Association between self-reported moderate-to-vigorous physical activity and the risk of major adverse cardiovascular events in people with various metabolic syndrome status: a nationwide population-based cohort study including 6 million people. *J Am Heart Assoc* 2020 Nov 17;9(22):e016806 (PMID: 33153387)
27. Kim JE, Kim HE, Cho H, Park JI, Kwak MJ, Kim BY, Yang SH, Lee JP, Kim DK, Joo KW, Kim YS, Kim BS, Lee H. Effect of the similarity of gut microbiota composition between donor and recipient on graft function after living donor kidney transplantation. *Sci Rep* 2020 Nov 3;10(1):18881 (PMID: 33144672)
28. Park S, Yang SH, Jeong CW, Moon KC, Kim DK, Joo KW, Kim YS, Lee JW, Lee H. RNA-seq profiling of microdissected glomeruli identifies potential biomarkers for human IgA nephropathy. *Am J Physiol Renal Physiol* 2020 Nov 1;319(5):F809-F821 (PMID: 32954852)
29. **Kim Y, Lee S, Lee Y, Kang MW, Park S, Park S, Han K, Paek JH, Park WY, Jin K, Han S, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK***. Glomerular hyperfiltration and cancer: A nationwide population-based study. *Cancer Epidemiol Biomarkers Prev* 2020 Oct 29;29:2070–2077 (PMID: 32699074)
30. An JN, Li L, Lee J, Yu SS, Kim JH, Lee J, Kim YC, Kim DK, Oh YK, Lim CS, Kim YS, Kim S, Yang SH, Lee JP. Urinary cMet as a prognostic marker in immunoglobulin A nephropathy. *J Cell Mol Med* 2020 Oct;24(19):11158-11169 (PMID: 32822114)
31. Park JG, Na M, Kim MG, Park SH, Lee HJ, Kim DK, Kwak C, Kim YS, Chang S, Moon KC, Lee DS, Han SS. Immune cell composition in normal human kidneys. *Sci Rep* 2020 Sep 24;10(1):15678 (PMID: 32973321)
32. **Kang E, Kim Y, Kim YC, Kim E, Lee N, Kim Y, Lee S, Han S, Choe M, Hwang JH, Lee S, Park JI, Park JT, Lim BJ, Lee JP, An JN, Ryu DR, Kim JH, Kang HG, Lee HS, Moon KC, Joo KW, Oh KH, Han SS, Lee H, Kim DK; KORNERSTONE Study Group.** Biobanking for glomerular diseases: a study design and protocol for KOREA Renal biobank NETwoRk System TOWard NExt-generation analysis (KORNERSTONE). *BMC Nephrol* 2020 Aug 26;21(1):367 (PMID: 32842999)
33. Choi JS, Kim MH, Kim YC, Lim YH, Bae HJ, Kim DK, Park JY, Noh J, Lee JP. Recalibration and validation of the Charlson Comorbidity Index in an Asian population: the National Health Insurance Service-National Sample Cohort study. *Sci Rep* 2020 Aug 13;10(1):13715 (PMID: 32792552)
34. Kang MW, Tangri N, Kim YC, An JN, Lee J, Li L, Oh YK, Kim DK, Joo KW, Kim YS, Lim CS, Lee JP. An independent validation of the kidney failure risk equation in an Asian population. *Sci Rep* 2020 Jul 31;10(1):12920 (PMID: 32737361)
35. Lim JH, Han MH, Kim YJ, Jeon Y, Jung HY, Choi JY, Cho JH, Kim CD, Kim YL, Lee H, Kim DK, Moon KC, Park SH. Novel histopathologic predictors for renal outcomes in crescentic glomerulonephritis. *PLoS One* 2020 Jul 27;15(7):e0236051 (PMID: 32716952)
36. Jeong JS, Kim JH, Kim DK, Oh KH, Joo KW, Kim YS, Cho YM, Han SS. Predictive value of cardio-ankle vascular index for the risk of end-stage renal disease. *Clin Kidney J* 2020 Jul 28;14(1):255-260 (PMID: 33564426)
37. Yun D, Choi Y, Lee SP, Park KW, Koo BK, Kim HS, Kim DK, Joo KW, Kim YS, Han SS. Blood Pressure and Renal Progression in Patients Undergoing Percutaneous Coronary Intervention. *Am J Hypertens* 2020 Jul 18;33(7):676-684 (PMID: 32179915)
38. Cho JH, Kang SH, Park HC, Kim DK, Lee SH, Do JY, Park JW, Kim SN, Kim MS, Jin K, Kang GW, Park SH, Kim YL, Lee YK; Korean Society of Nephrology COVID-19 Task Force Team. Hemodialysis with cohort isolation to prevent secondary transmission during a COVID-19 outbreak in Korea. *J Am Soc Nephrol* 2020 Jul;31(7):1398-1408 (PMID: 32482688)
39. Lee J, Oh S, Kang H, Kim S, Lee G, Li L, Kim CT, An JN, Oh YK, Lim CS, Kim DK, Kim YS, Choi K, Lee JP. Environment-Wide Association Study of CKD. *Clin J Am Soc Nephrol* 2020 Jun 8;15(6):766-775 (PMID: 32628126)
40. **Park S, Lee S, Kim Y, Lee Y, Kang MW, Han K, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK***. Reduced risk for chronic kidney disease after recovery from metabolic syndrome: a nationwide population-based study. *Kidney Res Clin Pract* 2020 Jun 30;39(2):180-191 (PMID: 32344501)
41. Park HC, Kim DH, Yoo KD, Kim YG, Lee SH, Yoon HE, Kim DK, Kim SN, Kim MS, Jung YC, Kim YS, Lee YK; Korean Society of Nephrology COVID-19 Task Force Team. Korean clinical practice guidelines for preventing transmission of coronavirus disease 2019 (COVID-19) in hemodialysis facilities. *Kidney Res Clin Pract* 2020 Jun 30;39(2):145-150 (PMID: 32408730)
42. Kim JE, Kim HE, Park JI, Cho H, Kwak MJ, Kim BY, Yang SH, Lee JP, Kim DK, Joo KW, Kim YS, Kim BS, Lee H. The Association between Gut Microbiota and Uremia of Chronic Kidney Disease. *Microorganisms* 2020 Jun 16;8(6) (PMID: 32560104)
43. Kim Y, Yu MY, Yoo KD, Jeong CW, Kim HH, Min SI, Ha J, Choi Y, Yun JM, Park SM, Yang SH, Kim DK, Oh KH, Joo KW, Ahn C, Kim YS, Lee H. Long-term Mortality Risks Among Living Kidney Donors in Korea. *Am J Kidney Dis* 2020 Jun;75(6):919-925 (PMID: 31866225)
44. **Park S, Han K, Kim DK.** Altered Risk for Cardiovascular Events With Changes in the Metabolic Syndrome Status. *Ann Intern Med* 2020 May 19;172(10):707-708 (PMID: 32422106)
45. An JN, Li L, Lee J, Yu SS, Lee J, Kim YC, Kim DK, Oh YK, Lim CS, Kim YS, Kim S, Yang SH, Lee JP. cMet agonistic antibody attenuates apoptosis in ischaemia-reperfusion-induced kidney injury. *J Cell Mol Med* 2020 May;24(10):5640-5651 (PMID: 32239661)
46. Yoo KD, Cha RH, Lee S, Kim JE, Kim KH, Lee JS, Kim DK, Kim YS, Yang SH. Chemokine receptor 5 blockade modulates macrophage trafficking in renal ischaemic-reperfusion injury. *J Cell Mol Med* 2020 May;24(10):5515-5527 (PMID: 32227583)
47. Park JG, Lee CR, Kim MG, Kim G, Shin HM, Jeon YH, Yang SH, Kim DK, Joo KW, Choi EY, Kim HR, Kwak C, Kim YS, Choi M, Lee DS, Han SS. Kidney residency of VISTA-positive macrophages accelerates repair from ischemic injury. *Kidney Int* 2020

48. **Park S, Kim Y, Jo HA, Lee S, Kim MS, Yang BR, Lee J, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK*. Clinical outcomes of prolonged dual antiplatelet therapy after coronary drug-eluting stent implantation in dialysis patients. Clin Kidney J 2020 May 3;13(5):803-8122020 (PMID: 33125004)**
49. Noh J, Yoo KD, Bae W, Lee JS, Kim K, Cho JH, Lee H, Kim DK, Lim CS, Kang SW, Kim YL, Kim YS, Kim G, Lee JP. Prediction of the Mortality Risk in Peritoneal Dialysis Patients using Machine Learning Models: A Nation-wide Prospective Cohort in Korea. Sci Rep 2020 May 4;10(1):7470 (PMID: 32366838)
50. Kwon S, Kim YC, Park JY, Lee J, An JN, Kim CT, Oh S, Park S, Kim DK, Oh YK, Kim YS, Lim CS, Lee JP. The Long-term Effects of Metformin on Patients With Type 2 Diabetic Kidney Disease. Diabetes Care 2020 May;43(5):948-955 (PMID: 32132005)
51. **Lee Y, Park S, Lee S, Kim Y, Kang MW, Cho S, Park S, Han K, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK*. Lipid profiles and risk of major adverse cardiovascular events in CKD and diabetes: A nationwide population-based study. 2020 PLoS One 2020 Apr 9;15(4):e0231328 (PMID: 32271842)**
52. Ryu S, Lee EY, Kim DK, Kim YS, Chung DH, Kim JH, Lee H, Kim HY. Reduction of circulating innate lymphoid cell progenitors results in impaired cytokine production by innate lymphoid cells in patients with lupus nephritis. Arthritis Res Ther 2020 Mar 29;22(1):63 (PMID: 32223753)
53. Moon JJ, Kim Y, Kim DK, Joo KW, Kim YS, Han SS. Association of hypoalbuminemia with short-term and long-term mortality in patients undergoing continuous renal replacement therapy. Kidney Res Clin Pract. 2020 Mar 31;39(1):47-53 (PMID: 31995708)
54. Xie J, Liu L, Mladkova N, Li Y, Ren H, Wang W, Cui Z, Lin L, Hu X, Yu X, Xu J, Liu G, Caliskan Y, Sidore C, Balderes O, Rosen RJ, Bodria M, Zanoni F, Zhang JY, Krithivasan P, Mehl K, Marasa M, Khan A, Ozay F, Canetta PA, Bomback AS, Appel GB, Sanna-Cherchi S, Sampson MG, Mariani LH, Perkowska-Ptasinska A, Durlak M, Mucha K, Moszczuk B, Foronczewicz B, Pączek L, Habura I, Ars E, Ballarin J, Mani LY, Vogt B, Ozturk S, Yildiz A, Seyahi N, Arıkan H, Koc M, Basturk T, Karahan G, Akgul SU, Sever MS, Zhang D, Santoro D, Bonomini M, Londrino F, Gesualdo L, Reiterova J, Tesar V, Izzi C, Savoldi S, Spotti D, Marcantoni C, Messa P, Galliani M, Roccatello D, Granata S, Zaza G, Lugani F, Ghiggeri G, Pisani I, Allegri L, Sprangers B, Park JH, Cho B, Kim YS, Kim DK, Suzuki H, Amoroso A, Cattran DC, Fervenza FC, Pani A, Hamilton P, Harris S, Gupta S, Cheshire C, Dufek S, Issler N, Pepper RJ, Connolly J, Powis S, Bockenbauer D, Stanescu HC, Ashman N, Loos RJJ, Kenny EE, Wuttke M, Eckardt KU, Köttgen A, Hofstra JM, Coenen MJH, Kiemeny LA, Akilesh S, Kretzler M, Beck LH, Stengel B, Debiec H, Ronco P, Wetzels JFM, Zoledziewska M, Cucca F, Ionita-Laza I, Lee H, Hoxha E, Stahl RAK, Brenchley P, Scolari F, Zhao MH, Gharavi AG, Kleta R, Chen N, Kiryluk K. The genetic architecture of membranous nephropathy and its potential to improve non-invasive diagnosis. Nat Commun 2020 Mar 30;11(1):1600 (PMID: 32231244)
55. **Park S*, Kim DK*, Jung HY, Kim CD, Cho JH, Cha RH, Jeong JC, Kim S, Kim HJ, Ban TH, Chung BH, Lee JP, Park JT, Han SH, Yoo TH, Ryu DR, Moon SJ, Lee JE, Huh W, Kang EW, Chang TI, Joo KW. Efficacy and safety of a balanced salt solution versus a 0.9% saline infusion for the prevention of contrast-induced acute kidney injury after contrast-enhanced computed tomography. Kidney Med 2020 Feb 2(2):189-195 (PMID: 32734238) (*equally contributed as a primary author)**
56. Kwon S, Kim DK, Oh KH, Joo KW, Lim CS, Kim YS, Han SS. Apolipoprotein B is a risk factor for end-stage renal disease. Clin Kidney J 2020 Feb 11;14(2):617-623 (PMID: 33623687)
57. Islam J, Lee HJ, Yang SH, Kim DK, Joo KW, Kim YS, Seo SU, Seong SY, Lee DS, Youn JI, Han SS. Expansion of myeloid-derived suppressor cells correlates with renal progression in type 2 diabetic nephropathy. Immune Netw 2020 Feb 18;20(2):e18 (PMID: 32395370)
58. Kang MW, Kim J, Kim DK, Oh KH, Joo KW, Kim YS, Han SS. Machine learning algorithm to predict mortality in patients undergoing continuous renal replacement therapy. Crit Care 2020 Feb 6;24(1):42 (PMID: 32028984)
59. **Kang MW, Park S, Lee S, Lee Y, Cho S, Han K, Cho H, Kim Y, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK*. Glomerular hyperfiltration is associated with dementia: A nationwide population-based study. PLoS One 2020 Jan 28;15(1): e0228361 (PMID: 31990949)**
60. **Kim Y, Park S, Kim MH, Song SH, Lee WM, Kim HS, Jin K, Han S, Kim YC, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK*. Can a semi-quantitative method replace the current quantitative method for the annual screening of microalbuminuria in patients with diabetes? diagnostic accuracy and cost-saving analysis considering the potential health burden. PLoS One 2020 Jan 21;15(1):e0227694 (PMID: 31961894)**
61. Yun D, Kim DK, Oh KH, Joo KW, Moon KC, Kim YS, Lee K, Han SS. MEST-C pathological score and long-term outcomes of child and adult patients with Henoch-Schönlein purpura nephritis. BMC Nephrol. 2020 Jan 30;21(1):33 (PMID: 32000703)
62. Park S, Lee HC, Jung CW, Choi Y, Yoon HJ, Kim S, Chin HJ, Kim M, Kim YC, Kim DK, Kim YS, Lee H. Intraoperative arterial pressure variability and postoperative acute kidney injury. Clin J Am Soc Nephrol 2020 Jan 7;15(1):35-46 (PMID: 31888922)
63. Yu MY, Kim JE, Lee S, Choi JW, Kim YC, Han SS, Lee H, Cha RH, Lee JP, Lee JW, Kim DK, Kim YS, Yang SH. Krüppel-like factor 15 is a key suppressor of podocyte fibrosis under rotational force-driven pressure. Exp Cell Res 2020 Jan 1;386(1):111706 (PMID: 31697927)
64. **Park S, Lee S, Kim Y, Lee Y, Kang MW, Han K, Han SS, Lee H, Lee JP, Joo KW, Lim CS, Kim YS, Kim DK*. Altered risk for cardiovascular events with changes in the metabolic syndrome status: A nationwide population-based study of approximately 10 million persons. Ann Intern Med 2019 Dec 17;171(12):875-884 (PMID: 31766057)**
65. Ryu JH, Lee KY, Koo TY, Kim DK, Oh KW, Yang J, Park KJ. Outcomes of the surgical management of encapsulating peritoneal sclerosis: A case series from a single center in Korea. Kidney Res Clin Pract 2019 Dec 31;38(4):499-508 (PMID: 31640301)
66. Kim JE, Yu MY, Kim YC, Min SI, Ha J, Lee JP, Kim DK, Oh KH, Joo KW, Ahn C, Kim YS, Lee H. Ratio of triglyceride to high-density lipoprotein cholesterol and risk of major cardiovascular events in kidney transplant recipients. Clin Exp Nephrol 2019 Dec;23(12):1407-1417 (PMID: 31468232)
67. Kim Y, Park N, Kim J, Kim DK, Chin HJ, Na KY, Joo KW, Kim YS, Kim S, Han SS. Development of a New Mortality Scoring System for Acute Kidney Injury with Continuous Renal Replacement Therapy. Nephrology (Carlton) 2019 Dec;24(12):1233-1240

(PMID: 31487094)

68. Jung YL, Park JY, Lee C, Kim DK, Lim CS, Kim YS, Oh KH, Han SS. Effect of liver cirrhosis on the outcomes of peritoneal dialysis. *Perit Dial Int* 2019 Nov-Dec;39(6):502-508 (PMID: 31582468)
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248. Han SH, Park SY, Li JJ, Kwak SJ, Jung DS, Choi HY, Lee JE, Moon SJ, Kim DK, Han DS, Kang SW. Glomerular glucocorticoid receptor expression is reduced in late responders to steroids in adult-onset minimal change disease. *Nephrol Dial Transplant* 2008 Jan;23(1):169-75 (PMID: 17890747)
249. Han SH, Lee SC, Ahn SV, Lee JE, Kim DK, Lee TH, Moon SJ, Kim BS, Kang SW, Choi KH, Lee HY, Han DS. Reduced residual renal function is a risk of peritonitis in continuous ambulatory peritoneal dialysis patients. *Nephrol Dial Transplant* 2007 Sep;22(9):2653-8 (PMID: 17517797)
250. Li JJ, Kwak SJ, Jung DS, Kim JJ, Yoo TH, Ryu DR, Han SH, Choi HY, Lee JE, Moon SJ, Kim DK, Han DS, Kang SW. Podocyte biology in diabetic nephropathy. *Kidney Int Suppl* 2007 Aug;(106):S36-42 (PMID: 17653209)
251. **Kim DK, Yoo TH, Ryu DR, Xu ZG, Kim HJ, Choi KH, Lee HY, Han DS, Kang SW. Changes in causative organisms and their antimicrobial susceptibilities in CAPD peritonitis: A single center's experience over one decade. *Perit Dial Int* 2004 Sep-Oct;24(5):424-32. (PMID: 15490981)**

Patents

1. Apparatus and method for replicating biological condition using rotational force (Korea, Patent No. 1020180014250 registered on 2 Feb, 2018)
2. Automatic Dialysis Apparatus (Korea, Patent application No.10-2019-0168913 registered on 17 Dec, 2019)

Invited Lectures and Presentations

1. Liquid biospecimens and Disease-oriented Biobank, Korea Human Resource Development Institute for Health and Welfare. Osong, Korea. [Dec 1, 2020]
2. Disease-oriented Biobank Network, Invited lecture, Korea Biobank Network symposium 2020. Osong, Korea. [Nov 18, 2020]
3. Biobanks for glomerular diseases, Invited lecture, 18th Asian Pacific Congress of Nephrology 2020. Hong Kong. [Oct 2, 2020]

4. Nutrition in CKD patients, Invited lecture, Keimyung University Dongsan Hospital Nephrology symposium 2019. Seoul, Korea. [Dec 8, 2019]
5. Cardiorenal syndrome, Invited lecture, SNUH Nephrology symposium 2019. Seoul, Korea. [Jun 23, 2019]
6. How to Manage Chronic Kidney Disease: Diet education. Invited lecture, 19th Continuing medical education of the Korean Association of Internal Medicine. Seoul, Korea. [Mar 3, 2019]
7. How to interpret eGFR in the Health Exam, Invited lecture, 18th Continuing medical education of the Korean Association of Internal Medicine. Daegu, Korea. [Aug 19, 2018]
8. AKI and CRRT indication, Invited lecture, Seoul CRRT Education Course. Seoul, Korea. [Jul 12, 2018]
9. When should we start acute renal replacement therapy, Invited lecture, The 3rd International Conference of Yanbian Society of Nephrology 2018. Yanbian, China. [Jun 30, 2018]
10. Long-term prognosis of CRRT in Korea, Baxter Renal Academy 2018, Seoul, Korea [Jun 22, 2018]
11. Management of Cardiovascular Risk Factors in Chronic Kidney Disease, Invited lecture, SNUH Nephrology symposium 2018. Seoul, Korea. [Jun 17, 2018]
12. Management of diabetic nephropathy. Invited lecture, 16th Continuing medical education of the Korean Association of Internal Medicine. Kwangju, Korea. [Aug 27, 2017]
13. Nutritional support in CRRT. Invited lecture, 7th CRRT Master Course 2017. Seoul, Korea. [Jul 14, 2017]
14. Nutritional support in critically ill patients with AKI. Invited lecture, SNUH Nephrology symposium 2017. Seoul, Korea. [Jun 18, 2017]
15. Optimal dose and timing of continuous renal replacement therapy. Invited lecture, Annual Conference of the Korean Society of Internal Medicine. Yeosu, Korea. [Apr 22, 2017]
16. Management of diabetic nephropathy. Invited lecture, 15th Continuing medical education of the Korean Association of Internal Medicine. Seoul, Korea. [Mar 12, 2017]
17. Acute kidney injury in critically ill patients. Invited lecture (Plenary lecture), Annual meeting of the Korean Society of Clinical Nutrition. Seoul, Korea. [Nov 26, 2016]
18. Things to consider when you start acute renal replacement therapy. Invited lecture, 2016 AREP (Advanced Renal Education Program). Seoul, Korea. [Sep 10, 2016]
19. Septic AKI management. Invited lecture, 6th CRRT Master Course 2016. Seoul, Korea. [Jul 15, 2016]
20. Blood glucose control in hemodialysis patients. Invited lecture, Korean Society of Nephrology (Jeju branch) hemodialysis symposium, Jeju, Korea. [Jun 19, 2016]
21. In-depth review of IgA nephropathy. Invited lecture, Annual Spring Conference of the Korean Society of Internal Medicine 2016, Busan, Korea. [Apr 23, 2016]
22. Vitamin D and cardiovascular disease in CKD patients, Invited lecture, Ewha Womans University Nephrology symposium, Seoul, Korea. [Apr 3, 2016]
23. CAPD catheter insertion (Video Session: How I do it). Invited lecture, Annual Spring Conference of the Korean Society of Dialysis Access. Seoul, Korea. [Feb 14, 2015]
24. Acute kidney injury and medical dispute. Invited lecture, Korea Medical Dispute Mediation and Arbitration Agency. Seoul, Korea. [Nov 30, 2015]
25. Non-dialytic management of AKI in critically ill patients. Invited lecture, SNUH Nephrology symposium 2015. Seoul, Korea. [Jun 28, 2015]
26. Oliguria and acute kidney injury. Invited lecture, The 9th Basic Critical Care Review Course 2015. Seoul, Korea. [Apr 25, 2015]
27. Management of hemodynamically unstable patients with AKI. Invited lecture, Nephrology Board Review Course 2015. Seoul, Korea. [Feb 8, 2015]
28. Monitoring of glycemic control in hemodialysis patients. Invited lecture, Yonsei University Medical Center Nephrology symposium 2014. Seoul, Korea. [Dec 7, 2014]
29. The role of vitamin D and calcimimetics to manage vascular calcification in hemodialysis patients. Invited lecture, 2nd Kyungpook University Hospital Nephrology symposium, Daegu, Korea [Jun 22, 2014]
30. Management of secondary hyperparathyroidism in chronic kidney disease. Invited lecture, SNUH Nephrology symposium 2014. Seoul, Korea. [Jun 15, 2014]
31. Update in management of AKI after cardio-thoracic surgery, Invited lecture, 2013 Update In Thoracic and Cardiovascular Surgery Symposium. Seoul, Korea. [Dec 7, 2013]
32. Specimen Acquisition system in SNUH human biobank, Invited lecture, Opening symposium for Seoul St. Mary's Hospital Human Biobank. Seoul, Korea. [Oct 21, 2013]
33. Antibiotic dosing in CRRT. Invited lecture, Gambro CRRT Master Course 2013. Seoul, Korea. [Jun 28, 2013]
34. Acute Cardio-Renal Syndrome: Diagnosis and treatment. Invited lecture, SNUH Nephrology symposium 2013. Seoul, Korea. [Jun 9, 2013]
35. Clinical Approach to hematuria. Invited lecture, Annual Spring Conference of the Korean Society of Internal Medicine 2013, Busan, Korea. [Apr 27, 2013]
36. CRRT with MARS. Invited lecture, Gambro 1st MARS with CRRT Basic Course 2013, Seoul, Korea. [Mar 14, 2013]

37. Continuous Renal Replacement Therapy in Patients with Septic AKI. Invited lecture, Gambro CRRT Master Course 2012. Seoul, Korea. [Jun 22, 2012]
38. Natural History of Diabetic Nephropathy. Invited lecture, SNUH Nephrology symposium 2012. Seoul, Korea. [Jun 10, 2012]
39. Principle of Mechanism of IHD & CRRT. Invited lecture, Korean Neuro-Intensive Care Society. Seoul, Korea. [Apr 13, 2012]
40. Acute Cardio-Renal Syndrome in Critical Care: ADHF & AKI. Invited lecture, Nephrology Board Review Course 2012. Seoul, Korea. [Feb 4, 2012]
41. Translationally Controlled Tumor Protein Is Associated with Podocyte Hypertrophy in a Mouse Model of Type 1 Diabetes. Oral presentation, Annual Meeting of American Society of Nephrology Kidney week 2011. Philadelphia, PA, USA. [Nov 12, 2011]
42. Overview of Acute Renal Replacement Therapies. Invited lecture, Gambro CRRT Master Course 2011. Seoul, Korea. [Jun 17, 2011]
43. Acute Renal Replacement Therapies in Critically Ill Patients. Invited lecture, Nephrology Board Review Course 2011. Seoul, Korea. [Feb 11, 2011]
44. International Collaboration of Human Biobank Project. Invited lecture, Workshop on Korea Biobank Project. Muju, Korea. [Dec 10, 2010]
45. Nutritional Support in Dialysis Patients. Invited lecture, YUMC Nephrology symposium 2010. Seoul, Korea. [Oct 24, 2010]
46. Nutrition in Dialysis Patients. Invited lecture, Annual Autumn Meeting of Korean Society of Nephrology 2010. Daegu, Korea. [Oct 9, 2010]
47. The Impact of Translationally Controlled Tumor Protein on the Podocyte Hypertrophy under Diabetic Conditions. Invited lecture, 21th Japanese Diabetic Nephropathy Study Group. Tokyo, Japan. [Dec 5, 2009]
48. Electrolyte Imbalance in Patients with Neurologic Diseases. Invited lecture, Annual Autumn Meeting of Korean Society of Nephrology. Muju, Korea. [Aug 17, 2009]
49. Improved Patient Outcome with Biocompatible PD solution: A Single Kidney Center Study with a Large Number of CAPD Patients. Invited lecture, The 6th Japan-Korea Nephrology Forum. Tokyo, Japan. [Mar 21, 2008]

Book Chapters

1. SNUH Manual of Medicine, 2nd edition: 2013, ISBN 978-89-7043-954-9 (Korean)
2. ARB, a life saver: 2012, ISBN 978-89-9676-890-6 (Korean)
3. SNUH Manual of Medicine: 2012, ISBN 978-89-7043-588-9 (Korean)
4. Vascular access for hemodialysis: 2012, ISBN 978-89-9665-903-7 (Korean)

Clinical trials (as a center/national principal investigator)

1. A multicenter, randomized, open-label, active-controlled, parallel-group, phase 3 study to compare the efficacy and safety of JTZ-951 with darbepoetin in anemic patients with chronic kidney disease receiving maintenance hemodialysis (JW Pharmaceutical Corporation)
2. A Randomized, Double-Blind, Placebo, Controlled Study to Evaluate, Efficacy and Safety of Nefecon in Patient with Primary IgA Nephropathy at Risk of Progressing to End-Stage Renal Disease (Calliditas Theapeutics AB)
3. A randomized, multicenter, double-blind, parallel, active-control study of the effects of Sparsentan, a dual endothelin receptor and angiotensin receptor blocker, on renal outcomes in patients with primary focal segmental glomerulosclerosis (FSGS) (Retrophin, Inc.)
4. A Phase 4, Randomized, Open-label, Active-controlled, Multicenter Study to Evaluate the Renal Protective Effect (UACR), Efficacy and Safety of Ipragliflozin in Type 2 Diabetes Mellitus patients with Albuminuria (Astellas Pharma Korea, Inc.)
5. A Randomized, Double-blind, Active Control, Parallel Group, Titration, Multicenter Study to Evaluate the Efficacy and Safety of Fimasartan (Boryung Pharmaceutical Co., Ltd)
6. Antipruritic Efficacy and safety of PG102 in maintenance hemodialysis patients; A 8week, Multi-center, Randomized, Double-blind, Placebo-Controlled Clinical Trial (Viromed Co., Ltd)
7. A Phase 3, Randomized, Double-Blind, Placebo Controlled Study of the Efficacy and Safety of FG-4592 for the Treatment of Anemia in Chronic Kidney Disease Patients not on Dialysis (FibroGen, Inc)
8. A Randomized, Double-Blind, Placebo-Controlled Phase 2/3 Study to Evaluate the Efficacy and Safety of Blisibimod Administration in Subjects with IgA Nephropathy (Anthera Pharmaceuticals, Inc.)
9. A phase 3, multicenter, randomized, open label, study of Mycophenolate Mofetil (Myconol) plus low dose steroid versus cyclosporin (Implanta soft capsule) plus low dose steroid for the patient with high risk membranous nephropathy (IIT)
10. Open-label, randomized, comparative, multi-center clinical trial on the therapeutic effect of tacrolimus (Prograf Cap.®) in combination with low dose corticosteroid in patient with minimal change nephrotic syndrome compared with high dose corticosteroid (Astellas Pharma Korea, Inc.)
11. Additive Renoprotective Effects of Oral Calcitriol in IgA Nephropathy Patients Taking Renin-Angiotensin System Blockers (IIT)
12. Effects of low sodium intake on the anti-proteinuric efficacy of Olmesartan in hypertensive patients with albuminuria (ESPECIAL) through open-label randomized case-control trial (IIT)
13. Effects of HIgh volume COntinuous REnal replacement therapy in patients with Septic acute kidney injury (HICORES study) (IIT)
14. Effects of Icodextrin Solution on Preservation of Residual Renal Function in Patients on Peritoneal Dialysis (IIT)

Grants (Government funding, as a principal investigator)

1. Research and Development on Localization of Continuous Renal Replacement Therapy Device. Ministry of health and welfare. Sep. 2020~Dec, 2022
2. The activation of home care service and the establishment of the guidelines. Ministry of health and welfare. Jul, 2019~Dec, 2019
3. Deep clinical phenotype-based biobanking network for glomerular disease. Ministry of health and welfare. Apr, 2019~Dec, 2023
4. Evaluation for the validity of URiSCAN® 2 ACR urine dipstick in screening microalbuminuria in diabetes. Ministry of health and welfare. Jun, 2017~Mar, 2019
5. Development of early diagnosis technology for acute / chronic renal failure. Ministry of Trade, Industry and Energy. Jul, 2017~Dec, 2020
6. The role of Suppression of tumorigenicity 2(ST2) in renal fibrosis. National Research Foundation of Korea. Mar, 2017~Feb, 2020
7. Development of microengineering-based human nephron on a chip for pathogenesis identification of kidney disease and drug nephrotoxicity screening. Korea Health Industry Development Institute. Nov, 2013~Oct, 2016
8. Clinical trial technology development for the validation of surrogate prognostic markers in patients with chronic kidney disease. Korea Health Industry Development Institute. May, 2012~April, 2014
9. The role of local interleukin 6-gp130 system in podocyte under diabetic condition. Korea Health Industry Development Institute. Jul, 2010~Aug, 2011

I hereby declare that the above statement is true and correct in every respect to the best of my knowledge.

Dong Ki Kim, MD, PhD