

Duk-Hee Kang



Short Bio/CV

Academic and Educational Career:

Prof. Duk-Hee Kang MD graduated from the Medical College, Ewha Womans University in 1988 and received her PhD degree in 1995 from the same university. After a residency and fellowship at the Nephrology Division of the University Hospital, she joined the faculty of the Department of Internal Medicine in 1995. Not only was she enthusiastic about deepening and broadening her research interests (Fellowship at the University of Washington, 1999; Baylor College of Medicine, in 2000; Visiting Professor at the UC Irvine, 2018), but she also devoted herself to educate medical students, residents, and research fellows. Being recognized for her educational accomplishment, she won the Best Tutor Award in 1995, 2020, and 2021 in Ewha Womans University.

Research Accomplishments:

Her major research interests include; 1) Phenotype transition of cells in vascular, renal and metabolic disease, 2) Mechanisms of peritoneal fibrosis, 3) Pleiotropic effects of hyperuricemia, 4) Stem cell therapy in renal disease, and 5) Air pollution and kidney disease. Currently, she is focusing on the role of fructose intake and air pollution as overlooked risk factors for the development /aggravation of renal disease in global renal health perspectives, especially in Asia.

Heralded by the Young Investigator Award from the Korean Medical Association, she has received many awards from the Korean Society of Nephrology, the Korean Women Doctors Association, and various international academic societies including the recent 1st Ewha Academic Award this year. She published more than 250 peer-reviewed articles in journals such as New England Journal of Medicine, Nature Review Nephrology, Journal of the American Society of Nephrology, and Kidney International. Based on Google scholar data, total citation of her papers amounts to 28,269 and H-index is 64. She is also the writer of many textbook book chapters such as "Schrier RW "Textbook of the Kidney & Urinary track", Kopple JD "Nutritional Management of Renal Disease", Fervenza FC et al. "Core Concepts of Parenchymal Kidney Disease", Turner N, Bennett WG et al "Oxford Textbook of Clinical Nephrology", and Paul Kimmel and Mark Rosenberg "Chronic Kidney Disease"

National and International Leadership:

She has served as director, council member, and many other key positions in her division, university and national academic societies. such as the Korean Society of Nephrology (KSN). During her term as the Secretary General of the KSN, she played a key role in set up several programs to help young scientists establish their academic career as international

researchers. She was also active in heightening social awareness about kidney diseases for the public, and supported the core members participating in dialysis reimbursement negotiations with the government.

Internationally, her scientific expertise in the area of uric acid and peritoneal dialysis enabled her to be one of the most sought-after invited speakers in many international conferences including ASN, WCN, EDTA/ERA, APSN, ISN-NEXUS, International Society of Hemodialysis, ICRMN, and the JSN etc. since 1995. She is also serving as a reviewer in many international academic journals and was a member of the editorial board of Kidney Research and Clinical Practice.

Candidate's Statement

My relationship with the ISN dates back to 1999 when I was awarded the ISN Fellowship Grant. This eye-opening experience into the world of medical research made me want to be a stepping stone for medical students and young clinicians to help them experience the better world of patient care and medical science.

ISN for the young: The cultural and language barriers make it difficult for the young clinicians and researchers in the North and East Asian region to actively participate in various international activities. I'd like to establish a more comfortable online / offline collaboration environment for the next generation nephrologists of this region.

Network among researchers: The introduction of state-of-art IT technologies, artificial intelligence, big data, and other technologies make basic and clinical researchers more difficult to get closer to each other. I'd like to help the ISN to be a base for multi-disciplinary interactions among the members.

Patient and public relations: In the age of SNS and multimedia, health literacy programs for the public and patients can never be too much emphasized. I hope my experience over the last 25 years may contribute to building this program via collaboration with the patients and their family members, and the public.