



NAME
王怡寬
Wang, I-Kuan

POSITION TITLE
Assistant Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Taipei Medical University, Taiwan	MD	1994	Medicine
China Medical University, Taiwan	PHD	2015	Clinical Medical Science

CURRENT POSITIONS

2012/08- Present Assistant Professor, College of Medicine, China Medical University, Taichung, Taiwan

RESEARCH INTEREST

1. Clinical Nephrology
2. Dialysis
3. Hypertension

HONORS

REVIEWER

1. Acta Nephrologica

PEER-REVIEWED PUBLICATIONS (SINCE 2011)

1. Lin HH, Tsai CW, Lin PH, Cheng KF, Wu HD, Wang IK, Lin CY, Chen W, Huang CC. Survival analysis of pediatric dialysis patients in taiwan. Nephrology (Carlton). 2012;17:621-627
2. Lin SY, Liu JH, Lin CL, Tsai IJ, Chen PC, Chung CJ, Liu YL, Wang IK, Lin HH, Huang CC. A comparison of herpes zoster incidence across the spectrum of chronic kidney disease, dialysis and transplantation. Am J Nephrol. 2012;36:27-33
3. Lin SY, Liu JH, Wang SM, Wang IK, Tsai CA, Liu YL, Lin HH, Chang CC, Huang CC. Association of response to hepatitis b vaccination and survival in dialysis patients. BMC Nephrol. 2012;13:97
4. Wang IK, Liang CC, Chen YF, Huang CC. Cyst infection in autosomal dominant polycystic kidney disease. Intern Med. 2012;51:1803
5. Wang IK, Muo CH, Chang YC, Liang CC, Lin SY, Chang CT, Yen TH, Chuang FR, Chen PC, Huang CC, Sung FC. Risks, subtypes, and hospitalization costs of stroke among patients with systemic lupus erythematosus: A retrospective cohort study in taiwan. J Rheumatol. 2012;39:1611-1618

6. Lin SY, Lin CC, Lin CC, Chung CJ, Yeh HC, Wang IK, Ting IW, Huang CC, Sung FC. Early utilization of hypertonic peritoneal dialysate and subsequent risks of non-traumatic amputation among peritoneal dialysis patients: A nationwide retrospective longitudinal study. *BMC Nephrol.* 2013;14:128
7. Liu JH, Chen JY, Lin SY, Lin HH, Ting IW, Liang CC, Wang IK, Kuo HL, Chang CT, Huang CC, Sung FC. Comparing survival between peritoneal dialysis and hemodialysis patients with subclinical peripheral artery disease: A 6-year follow-up. *Int J Med Sci.* 2013;10:434-440
8. Wang IK, Kung PT, Kuo WY, Tsai WC, Chang YC, Liang CC, Chang CT, Yeh HC, Wang SM, Chuang FR, Wang KY, Lin CY, Huang CC. Impact of dialysis modality on the survival of end-stage renal disease patients with or without cardiovascular disease. *J Nephrol.* 2013;26:331-341
9. Wang IK, Lin CL, Chang YC, Lin PC, Liang CC, Liu YL, Chang CT, Yen TH, Huang CC, Sung FC. Effectiveness of influenza vaccination in elderly diabetic patients: A retrospective cohort study. *Vaccine.* 2013;31:718-724
10. Wang IK, Lin CL, Lin PC, Liang CC, Liu YL, Chang CT, Yen TH, Morisky DE, Huang CC, Sung FC. Effectiveness of influenza vaccination in patients with end-stage renal disease receiving hemodialysis: A population-based study. *PLoS One.* 2013;8:e58317
11. Wang IK, Muo CH, Chang YC, Liang CC, Chang CT, Lin SY, Yen TH, Chuang FR, Chen PC, Huang CC, Wen CP, Sung FC, Morisky DE. Association between hypertensive disorders during pregnancy and end-stage renal disease: A population-based study. *CMAJ.* 2013;185:207-213
12. Wang IK, Tsai MK, Liang CC, Yen TH, Huang CC, Wen SF, Wen CP. The role of physical activity in chronic kidney disease in the presence of diabetes mellitus: A prospective cohort study. *Am J Nephrol.* 2013;38:509-516
13. Chang CT, Chien MH, Yang KL, Yu CC, Hsu JF, Wang IK, Lim PS, Huang CC. Nitric oxide production and blood pressure reduction during haemodialysis. *Nephrology (Carlton).* 2014;19:562-567
14. Chen IR, Wang SM, Liang CC, Kuo HL, Chang CT, Liu JH, Lin HH, Wang IK, Yang YF, Chou CY, Huang CC. Association of walking with survival and rrt among patients with ckd stages 3-5. *Clin J Am Soc Nephrol.* 2014;9:1183-1189
15. Chou CY, Liang CC, Kuo HL, Chang CT, Liu JH, Lin HH, Wang IK, Yang YF, Huang CC. Comparing risk of new onset diabetes mellitus in chronic kidney disease patients receiving peritoneal dialysis and hemodialysis using propensity score matching. *PLoS One.* 2014;9:e87891
16. Chou CY, Wang SM, Liang CC, Chang CT, Liu JH, Wang IK, Hsiao LC, Muo CH, Huang CC, Wang RY. Risk of pneumonia among patients with chronic kidney disease in outpatient and inpatient settings: A nationwide population-based study. *Medicine (Baltimore).* 2014;93:e174
17. Lai SW, Wang IK, Lin CL, Chen HJ, Liao KF. Splenectomy correlates with increased risk of pulmonary tuberculosis: A case-control study in taiwan. *Clin Microbiol Infect.* 2014;20:764-767
18. Lee JT, Chung WT, Lin JD, Peng GS, Muo CH, Lin CC, Wen CP, Wang IK, Tseng CH, Kao CH, Hsu CY. Increased risk of stroke after septicaemia: A population-based longitudinal study in taiwan. *PLoS One.* 2014;9:e89386
19. Liang CC, Muo CH, Wang IK, Chang CT, Chou CY, Liu JH, Yen TH, Huang CC, Chung CJ. Peptic ulcer disease risk in chronic kidney disease: Ten-year incidence, ulcer location, and ulcerogenic effect of medications. *PLoS One.* 2014;9:e87952
20. Liang CC, Wang SM, Kuo HL, Chang CT, Liu JH, Lin HH, Wang IK, Yang YF, Lu YJ, Chou CY, Huang CC. Upper gastrointestinal bleeding in patients with ckd. *Clin J Am Soc Nephrol.*

- 2014;9:1354-1359
21. Wang IK, Lin CL, Wu YY, Chou CY, Lin SY, Liu JH, Yen TH, Huang CC, Sung FC. Increased risk of parkinson's disease in patients with end-stage renal disease: A retrospective cohort study. *Neuroepidemiology*. 2014;42:204-210
 22. Wang IK, Lin CL, Wu YY, Kuo HL, Lin SY, Chang CT, Yen TH, Chuang FR, Cheng YK, Huang CC, Sung FC. Subdural hematoma in patients with end-stage renal disease receiving hemodialysis. *Eur J Neurol*. 2014;21:894-900
 23. Chen HC, Chou CY, Hsiao YT, Liang CC, Kuo HL, Chang CT, Liu JH, Wang IK, Huang CC. Patients with diabetes as the primary kidney disease have a worse survival than patients with comorbid diabetes in chronic haemodialysis patients. *Nephrology (Carlton)*. 2015;20:155-160
 24. Chou CY, Wang SM, Chang PH, Kuo HL, Chang CT, Liu JH, Wang IK, Yang YF, Liang CC, Huang CC. Angiotensin ii receptor blocker prevents upper gastrointestinal bleeding in hypertensive patients with chronic kidney disease not on dialysis. *Int J Clin Pract*. 2015;69:722-728
 25. Lin CS, Chen SJ, Sung CC, Lin CL, Lin SH, Cheng SM, Wang IK, Huang WS, Kao CH. Hemodialysis is associated with increased peripheral artery occlusive disease risk among patients with end-stage renal disease: A nationwide population-based cohort study. *Medicine (Baltimore)*. 2015;94:e1164
 26. Lin SY, Lin CL, Tseng CH, Chang YJ, Wang IK, Yeh HC, Kao CH. Association between chronic osteomyelitis and risk of end-stage renal disease: A nationwide population-based cohort study. *Medicine (Baltimore)*. 2015;94:e1141
 27. Liu YL, Huang CC, Chang CC, Chou CY, Lin SY, Wang IK, Hsieh DJ, Jong GP, Huang CY, Wang CM. Hyperphosphate-induced myocardial hypertrophy through the gata-4/nfat-3 signaling pathway is attenuated by erk inhibitor treatment. *Cardiorenal Med*. 2015;5:79-88
 28. Shen TC, Wang IK, Wei CC, Lin CL, Tsai CT, Hsia TC, Sung FC, Kao CH. The risk of septicemia in end-stage renal disease with and without renal transplantation: A propensity-matched cohort study. *Medicine (Baltimore)*. 2015;94:e1437
 29. Sun KT, Chen MY, Tu MG, Wang IK, Chang SS, Li CY. MicroRNA-20a regulates autophagy related protein-atg1611 in hypoxia-induced osteoclast differentiation. *Bone*. 2015;73:145-153
 30. Wang IK, Chen HJ, Cheng YK, Wu YY, Lin SY, Chou CY, Chang CT, Yen TH, Chuang FR, Sung FC, Hsu CY. Subdural hematoma in diabetic patients. *Eur J Neurol*. 2015;22:99-105
 31. Wang IK, Cheng YK, Lin CL, Peng CL, Chou CY, Chang CT, Yen TH, Huang CC, Sung FC, Hsu CY. Comparison of subdural hematoma risk between hemodialysis and peritoneal dialysis patients with esrd. *Clin J Am Soc Nephrol*. 2015;10:994-1001
 32. Wang IK, Li YF, Chen JH, Liang CC, Liu YL, Lin HH, Chang CT, Tsai WC, Yen TH, Huang CC. Icodextrin decreases technique failure and improves patient survival in peritoneal dialysis patients. *Nephrology (Carlton)*. 2015;20:161-167
 33. Wang IK, Sun KT, Tsai TH, Chen CW, Chang SS, Yu TM, Yen TH, Lin FY, Huang CC, Li CY. Mir-20a-5p mediates hypoxia-induced autophagy by targeting atg1611 in ischemic kidney injury. *Life Sci*. 2015;136:133-141
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 35. Yang SP, Muo CH, Wang IK, Chang YJ, Lai SW, Lee CW, Morisky DE. Risk of type 2 diabetes mellitus in female breast cancer patients treated with morphine: A retrospective population-based time-dependent cohort study. *Diabetes Res Clin Pract*. 2015;110:285-290
 36. Chen HC, Chou CY, Jheng JS, Chen IR, Liang CC, Wang SM, Liu JH, Lin SY, Kuo HL,

- Wang IK, Chang CT, Huang CC. Loss of residual renal function is associated with vascular calcification in hemodialysis patients. *Ther Apher Dial.* 2016;20:27-30
37. Chou CY, Wang SM, Liang CC, Chang CT, Liu JH, Wang IK, Hsiao LC, Muo CH, Chung CJ, Huang CC. Peritoneal dialysis is associated with a better survival in cirrhotic patients with chronic kidney disease. *Medicine (Baltimore).* 2016;95:e2465
 38. Kuo HL, Liu YL, Liang CC, Chang CT, Wang SM, Liu JH, Lin HH, Wang IK, Yang YF, Chou CY, Huang CC. Prolonged qt interval is linked to all-cause and cardiac mortality in chronic peritoneal dialysis patients. *Nephrology (Carlton).* 2016
 39. Liang CC, Chou CY, Chang CT, Wang IK, Huang CC. Upper gastrointestinal bleeding as a risk factor for dialysis and all-cause mortality: A cohort study of chronic kidney disease patients in taiwan. *BMJ Open.* 2016;6:e010439
 40. Tien N, Chen HC, Gau SL, Lin TH, Lin HS, You BJ, Tsai PC, Chen IR, Tsai MF, Wang IK, Chen CJ, Chang CT. Diagnosis of bacterial pathogens in the dialysate of peritoneal dialysis patients with peritonitis using surface-enhanced raman spectroscopy. *Clin Chim Acta.* 2016;461:69-75
 41. Wang IK, Chen JH, Muo CH, Chou CY, Liu YL, Lin SY, Liang CC, Yen TH, Sung FC. Subsequent risk of gout for women with hypertensive disorders in pregnancy: A retrospective cohort study. *J Hypertens.* 2016;34:914-919
 42. Wang IK, Liang WM, Lin CL, Liu YL, Chang CT, Yen TH, Huang CC, Sung FC. Impact of dialysis modality on the survival of patients with end-stage renal disease and prior stroke. *Int Urol Nephrol.* 2016;48:139-147
 43. Wang IK, Lin CL, Cheng YK, Chou CY, Liang CC, Yen TH, Sung FC. Increased risk of hydrocephalus in long-term dialysis patients. *Nephrol Dial Transplant.* 2016;31:807-813
 44. Wang IK, Lin CL, Lin PC, Chang SN, Chou CY, Yen TH, Chang CT, Huang CC, Sung FC. Seasonal influenza vaccination is associated with reduced morbidity and mortality in peritoneal dialysis patients. *Nephrol Dial Transplant.* 2016;31:269-274
 45. Wang IK, Lin HJ, Wan L, Lin CL, Yen TH, Sung FC. Risk of age-related macular degeneration in end-stage renal disease patients receiving long-term dialysis. *Retina.* 2016
 46. Wang IK, Lu CY, Lin CL, Liang CC, Yen TH, Liu YL, Sung FC. Comparison of the risk of de novo cardiovascular disease between hemodialysis and peritoneal dialysis in patients with end-stage renal disease. *Int J Cardiol.* 2016;218:219-224
 47. Wang IK, Lu CY, Muo CH, Chang CT, Yen TH, Huang CC, Li TC, Sung FC. Analysis of technique and patient survival over time in patients undergoing peritoneal dialysis. *Int Urol Nephrol.* 2016;48:1177-1185
 48. Wang IK, Shen TC, Muo CH, Yen TH, Sung FC. Risk of pulmonary embolism in patients with end-stage renal disease receiving long-term dialysis. *Nephrol Dial Transplant.* 2016
 49. Wang IK, Wang CY, Muo CH, Yen TH, Sung FC. Risk of sudden sensorineural hearing loss in patients with end-stage renal disease undergoing dialysis. *Nephrology (Carlton).* 2016
 50. Yu TM, Palanisamy K, Sun KT, Day YJ, Shu KH, Wang IK, Shyu WC, Chen P, Chen YL, Li CY. Rantes mediates kidney ischemia reperfusion injury through a possible role of hif-1alpha and lncrna prins. *Sci Rep.* 2016;6:18424
 51. Wang IK, Lin KH, Lin SY, Lin CL, Chang CT, Yen TH, Sung FC. Permanent cardiac pacing in patients with end-stage renal disease undergoing dialysis. *Nephrol Dial Transplant.* 2016

RECENT RESEARCH SUPPORT

1. Human antigen R (HuR) , a RNA-binding protein , mediates hypoxia-induced autophagy

(MOST 105-2314-B-039-016) from MOST Taiwan