


Curriculum Vitae

Personal Information	
Title	Dr.
Name	Rennie, Yung-Chieh Chen
Degree	MD, PhD
Country	Taiwan
Affiliation	Taipei Medical University Hospital
	
Educational Background	
<ul style="list-style-type: none"> ● Doctor of Philosophy, Graduate School of Biomedical Science and Engineering, National Yang-Ming University, Taiwan. ● Doctor of Medicine, School of Medicine, National Yang-Ming University, Taiwan. ● M.D./Ph.D. program, School of Medicine, National Yang-Ming University, Taiwan. 	
Professional Career	
<ul style="list-style-type: none"> ● Assistant Professor, Department of Radiology, School of Medicine, Taipei Medical University. ● Attending Neuroradiologist, Department of Medical Imaging, Taipei Medical University Hospital. ● Diagnostic and Interventional Radiology Residency Program, Department of Medical Imaging, Taipei Medical University Hospital. ● Post-Graduate Year Training Program (PGY-1), Taipei Medical University Hospital. 	
Research Field	
AI applications in medicine; neuroradiology and related topics (concussion, normal pressure hydrocephalus, stroke)	
Main Scientific Publications	
<ol style="list-style-type: none"> 1. Kuo DP, Chen YC, Li YT, Cheng SJ, Hsieh KL, Kuo PC, Ou CY, Chen CY. Estimating the volume of penumbra in rodents using DTI and stack-based ensemble machine learning framework. <i>Eur Radiol Exp.</i> 2024 May 15;8(1):59. 2. Chen YC, Cheng SJ, Hsieh LC, Shyu HY, Chen MH, Chen CY, Kuo DP. A prospective reappraisal of motor outcome prediction in patients with acute stroke by using atlas-based diffusion tensor imaging biomarkers. <i>Top Stroke Rehabil.</i> 2023 May 20:1-12. 3. Lee YT, Kuo DP, Tseng P, Chen YC, Cheng SJ, Wu CW, Hsieh LC, Chiang YH, Chung HW, Lui YW, Chen CY. Thalamocortical coherence predicts persistent postconcussive symptoms. <i>Prog Neurobiol.</i> 2023 May 9;226:102464. 4. Chen YC, Li YT, Kuo PC, Cheng SJ, Chung YH, Kuo DP, Chen CY. Automatic segmentation and radiomic texture analysis for osteoporosis screening using chest low-dose computed tomography. <i>Eur Radiol.</i> 2023 Jan 31. 5. Chen YC, Shen SH, Chiou HJ, Wan YL. Management of Patients with Adhesive Capsulitis via Ultrasound-Guided Hydrodilatation without Concomitant Intra-Articular Lidocaine Infusion: A Single-Center Experience. <i>Life (Basel).</i> 2022 Aug 23;12(9):1293. 6. Chen YC, Chen YL, Kuo DP, Li YT, et al. Personalized Prediction of Postconcussive Working Memory Decline: A Feasibility Study. <i>J Pers Med.</i> 2022;12(2):196. 7. Kuo DP, Kuo PC, Chen YC, Kao YJ, Lee CY, Chung HW, Chen CY. Machine learning based segmentation of ischemic penumbra by using diffusion tensor metrics in a rat model. <i>J Biomed Sci.</i> 2020 Jul 15;27(1):80. 8. Chiu FY, Kuo DP, Chen YC, Kao YC, Chung HW, Chen CY. Diffusion Tensor Derived Properties of Benign Oligemia, True "at Risk" Penumbra, and Infarct Core during the First Three Hours of Stroke Onset: A Rat Model. <i>Korean J Radiol.</i> 2018 Nov Dec;19(6):1161-1171. 9. Tsai PH, Chen YC, Chiang SW, Huang TY, Chou MC, Liu H S, Chung HW, Peng GS, Ma HI, Kao HW, Chen CY. Changes in sensorimotor related thalamic diffusion properties and cerebrospinal fluid hydrodynamics predict gait responses to tap test in idiopathic normal pressure hydrocephalus. <i>Eur Radiol.</i> 2018 Nov;28(11):4504-4513. 	