

Bibliography:

I. Publications

1. Lin WC, Chen SH, Cheng TT, Chen SH, Lai HM, Lui CC. The role of Imaging Studies of Percutaneous Vertebroplasty in 63 Patients with Osteoporotic Compression Fracture: Preliminary Report. **Chin J Radiol** 2004;29:177-184.
2. Lin WC, Kung FT, Chen TY, Tsang LC, Tsay WD, Cheng YF. Short-Term Results of Transcatheter uterine Artery Embolization Using Lipiodol and Gelfoam Cubes for Symptomatic Uterine Fibroids. **Chin J Radiol** 2005;30:17-24.
3. Lee MH, Hsu JH, Lin WC, Wu JR, Dai ZK, Chiou SS. Case 1: Acute abdomen following submandibular swelling in a girl. **Acta Pediatr** 2006 Oct;95(10):1324-1325. [SCI=2.111] (PEDIATRICS 49/128=38%)
4. Lee MH, Chiu CC, Dai Z, Lin WC, Wu DK, Wu JR. Type III persistent fifth aortic arch in association with transposition of great arteries and pulmonary atresia--an unreported case. **Int J Cardiol** 2007 Jan 18:114-115. [SCI=3.229] (CARDIAC & CARDIOVASCULAR SYSTEMS 55/138=40%)
5. Lee CH, Lin WC, Chia JH, Su LH, Chien CC, Mao AH, Liu JW. Community-acquired osteomyelitis caused by *Chryseobacterium meningosepticum*: case report and literature review. **Diagn Microbiol Infect Dis** 2008 Jan; 60:89-93. [SCI=2.499] (INFECTIOUS DISEASES 55/93=59%)
6. Lin WC, Cheng TT, Lee YC, Wang TN, Cheng YF, Lui CC, Yu CY. New vertebral osteoporotic compression fractures after percutaneous vertebroplasty: retrospective analysis of risk factors. **J Vasc Interv Radiol** 2008 Feb;19:225-235. [SCI=3.037] (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 40/133=30%)
7. Lin WC, Lee YC, Lee CH, Kuo YL, Cheng YF, Lui CC, Cheng TT. Refractures in cemented vertebrae after percutaneous vertebroplasty: a retrospective analysis. **Eur Spine J** 2008 Apr;17:592-599. [SCI=2.458] (ORTHOPEDICS 27/82=33%)
8. Wang HC, Chang WN, Chang HW, Ho JT, Yang TM, Lin WC, Chuang YC, Lu CH. Factors predictive of outcome in posttraumatic seizures. **J Trauma** 2008 Apr;64:883-888.
9. Chen SH, Lin WC, Lee CH, Chou WY. Spontaneous infective spondylitis and mycotic aneurysm: incidence, risk factors, outcome and management experience. **Eur Spine J** 2008 Mar;17:439-444. [SCI=2.458] (ORTHOPEDICS 27/82=33%)
10. Lin WC, Lui CC, Lee CH, Wang HC. Unusual femoral artery mycotic aneurysm complicated by infective spondylitis. **Emerg Radiol** 2008 May;15:207-210.
11. Wang HC, Yang YL, Lin WC, Chen WF, Yang TM, Lin YJ, Rau CS, Lee TC. Computer-assisted pedicle screw placement for thoracolumbar spine fracture with separate spinal reference clamp placement and registration. **Surg Neurol** 2008 Jun;69:597-601.
12. Lin WC, Lee CH, Chen SH, Lui CC. Unusual presentation of infected vertebroplasty with delayed cement dislodgment in an immunocompromised patient: case report and review of literature. **Cardiovasc Intervent Radiol** 2008 Jul;31:S231-S235.. [SCI=2.034] (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING

77/133=41%).

13. Yang TM, Wang HC, Lin YJ, Lin WC, Lu CH, Chang WN, Chang HW, Ho JT. Radiotherapy followed by adjuvant temozolomide treatment of malignant glioma. **Surg Neurol** 2008 Dec;70 60-63.
14. Lin WC, Lee MH, Kao YF, Su CS, Wang HC, Lui CC. Monitoring Rebound Intracranial Hypertension by Cine MRI after Treatment of Spontaneous Intracranial Hypotension in a Patient with Notable Subdural Hemorrhage. **European Journal of Radiology Extra** 2009 Jan;69:e1-e4. [SCI=2.687] (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 50/133=38%)
15. Tan TY, Kuo YL, Lin WC, Chen TY. Effect of lipid-lowering therapy on the progression of intracranial arterial stenosis. **J Neurol** 2009 Feb;256:187-193.. [SCI=3.956] (CLINICAL NEUROLOGY 48/204=24%)
16. Lee CH, Lin WC, Lu CH, Liu JW. Initially Unrecognized Dementia in a Young Man With Neurosyphilis. **Neurologist** 2009 Mar;15:95-97. [SCI=0.886] (CLINICAL NEUROLOGY 193/204=95%)
17. Su CS, Lan MY, Chang YY, Lin WC, Liu KT. Clinical features, neuroimaging and treatment of spontaneous intracranial hypotension and magnetic resonance imaging evidence of blind epidural blood patch. **Eur Neurol** 2009 Mar;61:301-307. [SCI=1.182] CLINICAL NEUROLOGY 183/204=90%)
18. Lin WC, Hsu SW, Kuo YL, Feekes JA, Wang HC. Combination of olfactory course anterior cerebral artery and accessory middle cerebral artery (MCA) with occluded in situ MCA and related moyamoya phenomenon. **Brain Dev** 2009 Apr;31:318-321. [SCI=1.504] (CLINICAL NEUROLOGY 168/204=82%)
19. Huang YH, Yang TM, Lin WC, Ho JT, Lee TC, Chen WF, Rau CS, Wang HC. The prognosis of acute blunt cervical spinal cord injury. **J Trauma** 2009 May;66:1441-1445.
20. Wang HC, Lin WC, Kuo YL, Yang TM, Ho JT, Tsai NW, Chang WN, Lu CH. Factors associated with brainstem congestive encephalopathy in dural arterio-venous fistulas. **Clin Neurol Neurosurg** 2009 May;111:335-340. [SCI=1.530] (SURGERY 134/210=64%)
21. Lin WC, Lu CH, Lee YC, Wang HC, Lui CC, Cheng YF, Chang HW, Shih YT, Lin CP. White matter damage in carbon monoxide intoxication assessed in vivo using diffusion tensor MRI. **AJNR Am J Neuroradiol** 2009 Jun;30:1248-1255. [SCI=3.381] (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 31/133=23%)
22. Yang TM, Lin WC, Chang WN, Ho JT, Wang HC, Tsai NW, Shih YT, Lu CH. Predictors and outcome of seizures after spontaneous intracerebral hemorrhage. Clinical article. **J Neurosurg** 2009 Jul;111:87-93. [SCI=3.968] (SURGERY 27/210=13%)
23. Wang HC, Lin WC, Yang TM, Lin YJ, Chen WF, Tsai NW, Chang WN, Lu CH. Risk factors for acute symptomatic cerebral infarctions after spontaneous supratentorial intra-cerebral hemorrhage. **J Neurol** 2009 Aug;256:1281-1287. [SCI=3.956] (CLINICAL NEUROLOGY 48/204=24%)
24. Su FW, Lin YJ, Chang WN, Ho JT, Wang HC, Yang TM, Su TM, Lin WC, Tsai NW, Ding YL, Lu CH. Predictors and outcome of acute symptomatic cerebral infarctions following aneurysmal subarachnoid hemorrhage. **J Neurol**. 2010 Feb;257:264-270. [SCI=3.956] (CLINICAL NEUROLOGY 48/204=24%)
25. Chen HL, Kuo YL, Lin WC*. Subarachnoid Hyperdensity Following Aneurysm Embolization in Renal Failure. **Chin J Radiol** 2010 Mar;35:27-32.
26. Chiang IH, Chang WN, Lin WC, Chuang YC, Chang KC, Tsai NW, Liou CW, Sun TK, Loke SS, Chen CT, Huang CF, Huang WC, Wang PM, Lu CH. Risk factors for seizures after first-time ischemic stroke by magnetic resonance imaging. **Acta Neurol Taiwan** 2010 Mar;19:26-32.
27. Chuang MJ, Chang WN, Chang HW, Lin WC, Tsai NW, Hsieh MJ, Wang HC, Lu CH. Predictors and long-term

- outcome of seizures after bacterial brain abscess. **Journal of Neurology, Neurosurgery & Psychiatry** 2010 Aug;81:913-917. [SCI=8.234] (SURGERY 3/210=1%)
28. Lee CH, Su LH, Lin WC, Tang YF, Liu JW. Refractory vertebral osteomyelitis due to CTX-M-14-producing *Escherichia coli* at ertapenem treatment in a patient with a coexisting urinary tract infection caused by the same pathogen. **Int J Infect Dis.** 2010 Sep;14S3:e183-e186. [SCI=3.202] (INFECTIOUS DISEASES 38/93=41%)
 29. Lin WC, Lu CH, Chen HL, Wang HC, Yu CY, Wu RW, Cheng YF, Lui CC. The Impact of Pre-Operative Magnetic Resonance Images on Outcome of Cemented Vertebrae. **Eur Spine J.** 2010 Nov;19(11):1899-906. [SCI=2.458] (ORTHOPEDICS 27/82=33%)
 30. Lee YC, Ho JT, Lin WC, Lui CC. Aneurismal Bone Cyst of Skull Base: a case report and review of literature. **Chin J Radiol** 2010;35:33-38.
 31. Hsiao SY, Chang WN, Lin WC, Tsai NW, Huang CR, Wang HC, Su CM, Chuang MJ, Lu CH. The experiences of non-operative treatment in patients with bacterial brain abscess. **Clin Microbiol Infect.** 2011 Apr;17:615-20. [SCI=7.117] (INFECTIOUS DISEASES 4/93=4%)
 32. Huang YH, Yang TM, Lin YJ, Tsai NW, Lin WC, Wang HC, Chang WN, Lu CH. Risk factors and outcome of seizures after chronic subdural hematoma. **Neurocrit Care.** 2011 Apr;14:253-9. [SCI=2.720] (CRITICAL CARE MEDICINE 18/36=50%)
 33. Wang HC, Lin WC, Yang TM, Lin YJ, Tsai NW, Cheng KY, Ho JT, Lu CH. The association between symptomatic delayed cerebral infarction and serum adhesion molecules in aneurysmal subarachnoid hemorrhage. **Neurosurgery.** 2011 Jun;68:1611-7. [SCI=4.853] (SURGERY 11/210=5%)
 34. Huang SH, Chien CY, Lin WC, Fang FM, Wang PW, Lui CC, Huang YC, Hung BT, Tu MC, Chang CC. A comparative study of fused FDG PET/MRI, PET/CT, MRI, and CT imaging for assessing surrounding tissue invasion of advanced buccal squamous cell carcinoma. **Clin Nucl Med.** 2011 Jul;36:518-25. [SCI=6.587] (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 7/133=5%)
 35. Lin WC, Chen HL, Lu CH, Wang HC, Wu RW, Cheng YF, Lui CC. Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Evaluating Intraosseous Cleft Formation in Patients With Osteoporotic Vertebral Compression Fractures Before Vertebroplasty. **Spine (Phila Pa 1976).** 2011 Jul;36(15):1244-1250. [SCI=2.646] (ORTHOPEDICS 25/82=30%)
 36. Tsai NW, Lin TK, Chang WN, Jan CR, Huang CR, Chen SD, Cheng KY, Chiang YF, Wang HC, Yang TM, Lin YJ, Lin WC, Chang HW, Lee LH, Lu CH. Statin pre-treatment is associated with lower platelet activity and favorable outcome in patients with acute non-cardio-embolic ischemic stroke. **Crit Care.** 2011 Jul;15:R163. [SCI=6.407] (CRITICAL CARE MEDICINE 6/36=17%)
 37. Lu CH, Chen HL, Chang WN, Tsai NW, Wang HC, Yang TM, Lin YJ, Lin CP, Chen CC, Cheng BC, Lin WC*. Assessing the Chronic Neuro-Psychological Sequelae of HIV-Negative Cryptococcal Meningitis Using Diffusion Tensor Imaging **AJNR Am J Neuroradiol.** 2011 Aug;32:1333-9. (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 31/133=23%)
 38. Wang HC, Lin WC, Lin YJ, Rau CS, Lee TH, Chang WN, Tsai NW, Kung CT, Cheng BC, Lu CH. The association between serum adhesion molecules and outcome in acute spontaneous intracranial hemorrhage. **Crit Care.** 2011 Nov;15:R284-R292. [SCI=6.407] (CRITICAL CARE MEDICINE 6/36=17%)
 39. Lin WC, Chou KH, Chen CL, Chen CH, Chen HL, Feekes JA, Hsu NW, Li SH, Cheng YF, Lin CP. Significant

- Volume Reduction and Shape Abnormalities of Basal Ganglia in cases of Chronic Liver Cirrhosis. **AJNR Am J Neuroradiol.** 2012 Feb;33:239-45. **(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 31/133=23%)**
40. Yang TM, Lin YJ, Tsai NW, Lin WC, Ho JT, Chang WN, Cheng BC, Kung CT, Lee TH, Huang CC, Wang HC, Lu CH. The prognostic value of serial leukocyte adhesion molecules in post-aneurysmal subarachnoid hemorrhage. **Clin Chim Acta.** 2012 Feb;413:411-6. **(SCI ; IF=2.615 ; MEDICAL LABORATORY TECHNOLOGY 10/29=34%)**
 41. Lin WC, Chou KH, Chen HL, Huang CC, Lu CH, Wang YL, Cheng YF, Lin CP, Chen CC. Structural deficits in the emotion circuit and cerebellum are associated with depression, anxiety and cognitive dysfunction in methadone maintenance patients: a voxel-based morphometric study. **Psychiatric Res.** 2012 Feb;201(2):89-97. **[SCI=2.063] (NEUROIMAGING 11/14=79%)**
 42. Wang HC, Lin WC, Yang TM, Chen WF, Lin YJ, Tsai NW, Chang WN, Lu CH. Time course of cerebral hemodynamics in aneurysmal subarachnoid hemorrhage. **J Clin Ultrasound** 2012 Feb;40:91-8. **[SCI=0.764] (ACOUSTICS 29/32=91%)**
 43. Ko MT, Chen HL, Peng JP, Lin TY, Lin WC*. Do Cervical Degenerative Diseases Associate with Foreign Body Sensation of the Pharynx? **Dysphagia** 2012 Mar;27(1):88-93. **[SCI=2.591] (OTORHINOLARYNGOLOGY 8/42=19%)**
 44. Chen CH, Chang CC, Chang WN, Tsai NW, Lui CC, Lin WC, Chen NC, Chen C, Huang CW, Lu CH. Neuro-psychological Sequelae in HIV-negative Cryptococcal Meningitis after Complete Anti-fungal Treatment. **Acta Neurol Taiwan.** 2012 Mar;21(1):8-17.
 45. Chen CH, Lin WC, Chang WN, Tsai NW, Wang HC, Huang CR, Lin YL, Cheng BC, Su YJ, Kung CT, Lui CC, Lee LH, Lu CH. The Association of Metabolic Risk Factors and Silent Brain Infarctions in Healthy Taiwanese. **Acta Neurol Taiwan** 2012 Mar;21:18-24.
 46. Lin WC, Chou KH, Chen CC, Huang CC, Chen HL, Lu CH, Li SH, Wang YL, Cheng YF, Lin CP. White matter abnormalities correlating with memory and depression in heroin users under methadone maintenance treatment. **PLoS One.** 2012 Apr;7(4):e33809. **(SCI ; IF=2.740) ; (MULTIDISCIPLINARY SCIENCES 27/71=38%)**
 47. Hsu TW, Wu CW, Cheng YF, Chen HL, Lu CH, Cho KH, Lin WC*, Lin CP. Impaired Small-World Network Efficiency and Dynamic Functional Distribution in Patients with Cirrhosis. **PLoS One.** 2012 May;7(5):e35266. **(SCI ; IF=2.740) ; (MULTIDISCIPLINARY SCIENCES 27/71=38%)**
 48. Lin WC, Hsu TW, Chen CL, Wu CW, Ky CH, Chen HL, Li SH, Yeh PY, Cheng YF, Lin CP. Connectivity of Default-Mode Network is Associated with Cerebral Edema in Hepatic Encephalopathy. **PLoS One.** 2012 May;7(5):e36986. **(SCI ; IF=2.740) ; (MULTIDISCIPLINARY SCIENCES 27/71=38%)**
 49. Lin JW, Lu CH, Lin WC, Wu YT, Huang YJ, Shih FY, Ho JT, Chuang MJ. A clinicopathological study of the significance of the proportion of choroid morphology in choroid meningioma. **J Clin Neurosci** 2012 Jun;19:836-43. **(SCI ; IF=1.760) ; (CLINICAL NEUROLOGY 152/204=75%)**
 50. Kung CT, Hsiao SY, Tsai TC, Su CM, Chang WN, Huang CR, Wang HC, Lin WC, Lin YJ, Cheng BC, Su YJ, Tsai NW, Lu CH, Chang HW. Plasma Nuclear and Mitochondrial DNA Levels as Predictors of Outcome in Severe Sepsis Patients in the Emergency Room Journal. **Journal of Translational Medicine** 2012 Jun;10:130. **[SCI=4.124] (MEDICINE, RESEARCH & EXPERIMENTAL 45/138=33%)**
 51. Wang YM, Lin YJ, Wang HC, Lee TH, Tsai NW, Cheng BC, Lin WC, Yang TM, Chuang MJ, Chang WN, Lee LH, Lu CH, Kung CT, Su BY, Huang CC. Predictors and outcomes of shunt-dependent hydrocephalus in patients with aneurysmal sub-arachnoid hemorrhage. **BMC Surg.** 2012 Jul;12:12. **[SCI=1.912] (SURGERY 105/210=50%)**

52. Li SH, Huang YC, Huang WT, Lin WC, Liu CT, Tien WY, Lu HI. Is there a role of whole-body bone scan in patients with esophageal squamous cell carcinoma. **BMC Cancer** 2012 Aug;12(1):328. [SCI=3.150] (ONCOLOGY 129/244=53%)
53. Fang PH, Lin WC, Tsai NW, Chang WN, Huang CR, Chang HW, Huang TL, Lin HC, Lin YJ, Cheng BC, Su YJ, Kung CT, Wang HC, Lu CH. Bacterial brain abscess in patients with nasopharyngeal carcinoma following radiotherapy: microbiology, clinical features and therapeutic outcomes. **BMC Infect Dis.** 2012 Sep; 12(1):204. [SCI=2.688] (INFECTIOUS DISEASES 52/93=56%)
54. Chen SH, Lin WC, Lui CC, Lin TP. Percutaneous Poly methyl methacrylate Vertebroplasty for the Treatment of Adjacent Vertebral Body Fracture after Long Spinal Instrumentation. **Life Science Journal** 2012 Sep;9(3):2407-2412. [SCI=3.647] (MEDICINE, RESEARCH & EXPERIMENTAL 56/138=41%)
55. Chien CY, Chuang HC, Huang SH, Lin WC, Huang HY. A pilot study of segmental mandibulectomy with surgical navigation using fluorine-18 fluorodeoxyglucose positron-emission tomography/computed tomography. **Laryngoscope** 2012 Oct;122(10):2205-9. [SCI=2.465] (OTORHINOLARYNGOLOGY 10/42=24%)
56. Tsai NW, Lee LH, Huang CR, Chang WN, Chen SD, Wang HC, Lin YJ, Lin WC, Chiang YF, Lin TK, Cheng BC, Su YJ, Kung CT, Hung SH, Chang HW, Lu CH. The association of statin therapy and high-sensitivity C-reactive protein level for predicting clinical outcome in acute non-cardioembolic ischemic stroke. **Clin Chim Acta** 2012 Nov;413(23-24):1861-5. (SCI ; IF=2.615) ; (MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
57. Wang HC, Lin YJ, Lin WC, Ho JT, Chen WF, Chang WN, Tsai NW, Lu CH. The Value of Serial Plasma Nuclear and Mitochondrial DNA Levels in Acute Spontaneous Intra-cerebral Hemorrhage. **Eur J Neurol.** 2012 Dec;19(12):1532-8. [SCI=4.516] (CLINICAL NEUROLOGY 37/204=18%)
58. Li SH, Rau KM, Lu HI, Wang YM, Tien WY, Liang JL, Lin WC*. Pre-treatment maximal esophageal wall thickness is independently associated with response to chemoradiotherapy in patients with T3~4 esophageal squamous cell carcinoma. **Eur J Cardiothorac Surg.** 2012 Dec;42(6):958-64. [SCI=3.486] (SURGERY 35/210=17%)
59. Wang HC, Yang TM, Lin WC, Lin YJ, Tsai NW, Liou CW, Kwan AL, Lu CH. The Value of Serial Plasma and Cerebrospinal Fluid Nuclear and Mitochondrial DNA Levels in Aneurysmal Subarachnoid Hemorrhage. **J Neurosurg.** 2013 Jan;118(1):13-9. [SCI=3.968] (SURGERY 27/210=13%)
60. Huang CC, Huang TL, Hsu HC, Chen HC, Lin HC, Chien CY, Fang FM, Chang HW, Tsai NC, Chang WN, Chen SF, Lin TK, Tan TY, Chang CR, Wang HC, Lin WC, Lu CH. Long-term effects of neck irradiation on cardiovascular autonomic function: a study in nasopharyngeal carcinoma patients after radiotherapy. **Muscle & Nerve** 2013 Mar;47(3):344-50. [SCI=2.505] (CLINICAL NEUROLOGY 109/204=53%)
61. Kung CT, Hsiao SY, Su CM, Tsai TC, Cheng HH, Tsai NW, Chang WN, Huang CR, Wang HC, Lin WC, Lin YJ, Cheng BC, Su YJ, Lu CH. Serum Adhesion Molecules as Predictors of Bacteremia in Adult Severe Sepsis Patients at the Emergency Department. **Clin Chim Acta.** 2013 Jun;421:116-20. (SCI ; IF=2.615 ; MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
62. Tsai NW, Lee LH, Huang CR, Chang WN, Wang HC, Lin YJ, Lin WC, Lin TK, Cheng BC, Su YJ, Kung CT, Chen SF, Lu CH. The diagnostic value of ultrasonography in carpal tunnel syndrome: a comparison between diabetic and non-diabetic patients. **BMC Neurol.** 2013 Jun;13(1):65. [SCI=2.356] (CLINICAL NEUROLOGY 120/204=59%)
63. Wang HC, Wang PM, Lin YJ, Kwan AL, Lin WC, Tsai NW, Cheng BC, Chang WN, Su BY, Kung CT, Lu CH. Serum

- Adhesion Molecules, Outcome and Neuro-psychological Function in Acute Traumatic Brain Injury Patients. **Clin Chim Acta**. 2013 Aug;423:122-9. (SCI ; IF=2.615) (MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
64. Su TW, Lan TH, Hsu TW, Biswal BB, Tsai PJ, Lin WC, Lin CP. Reduced neuro-integration from the dorsolateral prefrontal cortex to the whole brain and executive dysfunction in schizophrenia patients and their relatives. **Schizophr Res**. 2013 Aug;148(1-3):50-8. [SCI=3.759] (PSYCHIATRY 69/295= 23%)
 65. Chen HL, Chen PC, Lu CH, Hsu NW, Chou KH, Lin CP, Wu RW, Li SH, Cheng YF, Lin WC*. Structural and cognitive deficits in chronic carbon monoxide intoxication: a voxel-based morphometry study. **BMC Neurology**. 2013 Oct ;13(1):129. [SCI=2.356] (CLINICAL NEUROLOGY 120/204=59%)
 66. Su YJ, Cheng TT, Chen CJ, Chiu WC, Hsu CY, Chang WN, Tsai NW, Kung CT, Wang HC, Lin WC, Huang CC, Chang YT, Su CM, Chiang YF, Cheng BC, Lin YJ, Lu CH. The association among leukocyte apoptosis, autoantibodies and disease severity in systemic lupus erythematosus. **J Transl Med**. 2013 Oct;11(1):261. (SCI ; IF=4.124) (MEDICINE, RESEARCH & EXPERIMENTAL 45/138=33%)
 67. Lu HI, Li SH, Huang WT, Rau KM, Fang FM, Wang YM, Lin WC, Tien WY. A comparative study of isolated and metachronous oesophageal squamous cell carcinoma with antecedent upper aerodigestive tract cancer . **Eur J Cardiothorac Surg**. 2013 Nov;44(5):860-5. [SCI=3.486] (SURGERY 35/210=17%)
 68. Huang TL, Hsu HC, Chen HC, Lin HC, Chien CY, Fang FM, Huang CC, Chang HW, Chang WN, Huang CR, Tsai NW, Kung CT, Wang HC, Lin WC, Cheng BC, Su YJ, Chang YT, Chang CR, Tan TY, Lu CH. Long-term effects on carotid intima-media thickness after radiotherapy in patients with nasopharyngeal carcinoma. **Radiat Oncol**. 2013 Nov ;8(1):261. (SCI ; IF=2.817) (ONCOLOGY, 151/244= 62 %)
 69. Chen YC, Lee CH, Chien CC, Chao TL, Lin WC, Liu JW. Pulmonary nocardiosis in southern Taiwan. **J Microbiol Immunol**. 2013 Dec;46(6):441-7. (SCI ; IF=1.566) (MICROBIOLOGY 114/135=85%)
 70. Tsai NW, Lee LH, Huang CR, Chang WN, Chang YT, Su YJ, Chiang YF, Wang HC, Cheng BC, Lin WC, Kung CT, Su CM, Lin YJ, Lu CH. Statin therapy reduces oxidized low density lipoprotein level, a risk factor for stroke outcome. **Crit Care**. 2014 Jan ;18(1):R16. [SCI=6.407] (CRITICAL CARE MEDICINE 6/36=17%)
 71. Tsai NW, Hung SH, Huang CR, Chang WN, Chang HS, Lee LH, Wang HC, Lin YJ, Lin WC, Cheng BC, Chiang YF, Su YJ, Tsai TR, Lu CH. The Association between Circulating Endothelial Progenitor Cells and Outcome in Different Subtypes of Acute Ischemic Stroke. **Clin Chim Acta**. 2014 Jan;427:6-10. (SCI ; IF=2.615) (MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
 72. Cheng KY, Lin WC, Chang WN, Lin TK, Tsai NW, Huang CC, Wang HC, Huang YC, Chang HW, Lin YJ, Lee LH, Cheng BC, Kung CT, Chang YT, Su CM, Chiang YF, Su YJ, Lu CH. Factors associated with fall-related fractures in Parkinson's disease. **Parkinsonism Relat Disord**. 2014 Jan;20(1):88-92.. (SCI ; IF=3.926) (CLINICAL NEUROLOGY 49/204=24%)
 73. Huang YC, Hsu CC, Lin WC, Yin TK, Huang CW, Wang PW, Chang HH, Chiu NT. Effects of metformin on the cerebral metabolic changes in type 2 diabetic patients. **Scientific World Journal**. 2014 Mar;2014:694326.
 74. Lin WC, Tsai NW, Huang YC, Cheng KY, Chen CL, Li SH, Kung CT, Su YJ, Lin WM, Chen MH, Chiu TM, Yang IH, Lu CH*. Peripheral Leukocyte Apoptosis in Patients with Parkinsonism: Correlation with Clinical Characteristics and Neuroimaging Findings. **Biomed Res Int**. 2014 Mar;635923. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 75. Lin WM, Chen MH, Wang HC, Lu CH, Chen PC, Chen HL, Tsai NW, Su YJ, Li SH, Kung CT, Chiu TM, Weng HH, Lin WC*. Association between peripheral oxidative stress and white matter damage in acute traumatic brain

- injury. **Biomed Res Int.** 2014 Apr;340936. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
76. Su YJ, Cheng TT, Chen CJ, Chiu WC, Chang WN, Tasi NW, Kung CT, Lin WC, Huang CC, Chang YT, Su CM, Chiang YF, Cheng BC, Lu CH. The association among antioxidant enzymes, autoantibodies, and disease severity score in systemic lupus erythematosus: comparison of neuropsychiatric and nonneuropsychiatric groups. **Biomed Res Int.** 2014 Apr; 137231. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 77. Su YJ, Huang CR, Chang WN, Tsai NW, Kung CT, Lin WC, Huang CC, Su CM, Cheng BC, Chang YT, Lu CH. The Association between Autoantibodies and Peripheral Neuropathy in Lupus Nephritis. **Biomed Res Int.** 2014 Apr; 524940. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 78. Su CM, Cheng HH, Tsai TC, Hsiao SY, Tsai NW, Chang WN, Lin WC, Cheng BC, Su YJ, Chang YT, Chiang YF, Kung CT, Lu CH. Elevated serum vascular cell adhesion molecule-1 is associated with septic encephalopathy in adult community-onset severe sepsis patients. **Biomed Res Int.** 2014 May; 598762. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 79. Tsai NW, Chang YT, Huang CR, Lin YJ, Lin WC, Cheng BC, Su CM, Chiang YF, Chen SF, Huang CC, Chang WN, Lu CH. Association between Oxidative Stress and Outcome in Different Subtypes of Acute Ischemic Stroke. **Biomed Res Int.** 2014 May; 256879. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 80. Chang YT, Chang WN, Tasi NW, Huang CC, Kung CT, Su YJ, Lin WC, Cheng BC, Su CM, Chiang YF, Lu CH. The roles of biomarkers of oxidative stress and antioxidant in Alzheimer's disease: a systematic review. **Biomed Res Int.** 2014 May; 182303. (SCI ; IF=2.276) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 92/156=59 %)
 81. Lin WC, Chen PC, Wang HC, Tsai NW, Chou KH, Chen HL, Su YJ, Lin CP, Li SH, Chang WN, Lu CH*. Diffusion Tensor Imaging Study of White Matter Damage in Chronic Meningitis. **PLoS One.** 2014 Jun ;9(6):e98210. (SCI ; IF=2.740) (MULTIDISCIPLINARY SCIENCES 27/71=38%)
 82. Lee TH, Huang YH, Kwan AL, Lin WC, Lee TC. Bone Mineral Density in Spinal Fusion of Rabbit Bone Marrow Mesenchymal Stem Cells. **Osteoporosis International.** July 2014;17(3):406. (SCI ; IF=3.864) (ENDOCRINOLOGY & METABOLISM 44/143=31%)
 83. Lin WC, Chou KH, Chen CL, Chen HL, Lu CH, Li SH, Huang CC, Lin CP, Cheng YF*. Longitudinal brain white matter alterations in minimal hepatic encephalopathy before and after liver transplantation. **PLoS One.** 2014 Aug ;9(8):e105887. (SCI ; IF=2.740) (MULTIDISCIPLINARY SCIENCES 27/71=38%)
 84. Chiu TM, Chen PC, Chen HL, Chen MH, Lu CH, Kung CT, Su CM, Wu RW, Chao SY, Lin WC. Assessment of acute carbon monoxidation by using diffusing tensor image. **C J Radiologic Tech.** 2014 Sep;38(3): 174-182
 85. Huang YH, Lin WC, Lu CH, Chen WF. Volume of chronic subdural haematoma: Is it one of the radiographic factors related to recurrence? **Injury.** 2014 Sep;45(9):1327-31. (SCI ; IF=2.106) (EMERGENCY MEDICINE 12/31=39%)
 86. Hung CW, Chang WN, Kung CT, Tsai NW, Wang HC, Lin WC, Huang, CR, Huang CC, Tsai WC, Chang HW, Su YJ, Lin YJ, Cheng BC, Chang YT, Su CM, Lu CH. Predictors and long-term outcome of seizures in human immuno-deficiency virus (HIV)-negative Cryptococcal meningitis. **BMC Neurol.** 2014 Oct ;14(1):208. (SCI=2.356) (CLINICAL NEUROLOGY 120/204=59%)

87. Kung CT, Su CM, Chang HW, Cheng HH, Hsiao SY, Tsai TC, Chang WN, Tsai NW, Wang HC, Su YJ, Huang CC, Lin WC, Cheng BC, Chang YT, Chiang YF, Lu CH. Serum Adhesion Molecules as Outcome Predictors in Adult Severe Sepsis Patients Requiring Mechanical Ventilation in the Emergency Department. **Clin Biochem**. 2014 Oct;47(15):38-43. (SCI ; IF=2.573) (MEDICAL LABORATORY TECHNOLOGY 12/29=41%)
88. Hsu CC, Chang YH, Lin WC, Tang SW, Wang PW, Huang YC and Chiu NT. The feasibility of using CT-guided ROI for semiquantifying striatal dopamine transporter availability in a hybrid SPECT/CT system. **Scientific World Journal**. 2014 Nov; 879497.
89. Yang IH, Chen HL, Chen MH, Lui CC, Su CS Lan MY, Cheng YF, Lu CH, Lin WC*. Application of Cine Phase Contrast MRI in Spontaneous Intracranial Hypotension Before and After Treatment. **Chin J Radiol** .2014; 39: 67-76
90. Su YJ, Cheng TT, Chen CJ, Chang WN, Tsai NW, Kung CT Wang HC, Lin WC, Huang CC, Chang YT, Su CM, Chiang YF, Cheng BC, Lin YJ, Lu CH. Investigation of the caspase-dependent mitochondrial apoptotic pathway in mononuclear cells of patients with systemic lupus erythematosus. Journal of Translational Medicine. **J Transl Med**. 2014 Nov ;12(1):303. (SCI ; IF=4.124) (MEDICINE, RESEARCH & EXPERIMENTAL 45/138=33%)
91. Huang KL, Liu TY, Huang YC, Leong CP, Lin WC, Pong YP. Functional Outcome in Acute Stroke Patients with Oropharyngeal Dysphagia after Swallowing Therapy. Journal of Stroke and Cerebrovascular Diseases. **J Stroke Cerebrovasc Dis**. 2014 Nov-Dec;23(10):2547-53. (SCI ; IF=1.787 ; NEUROSCIENCES , 220/271=81%)
92. Lin WC, Hsu TW, Chen CL, Lu CH, Chen HL, Cheng YF *, Lin CP. Re-establishing brain networks in patients without overt hepatic encephalopathy after liver transplantation. **J Cereb Blood Flow Metab**. 2014 Dec;34(12):1877-1886. (SCI ; IF=6.045) (NEUROSCIENCES, 29/261=11%)
93. Kung CT, Su CM, Hsueh-Wen, Cheng HH, Hsiao SY, Tsai TC, Tsai NW, Wang HC, Su YJ, Lin WC, Cheng BC, Chang YT, Chiang YF, Lu CH. The prognostic value of leukocyte apoptosis in patients with severe sepsis at the emergency department. **Clin Chim Acta**. 2015 Jan;438:364-369. (SCI ; IF=2.615) (MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
94. Chen HL, Lu CH, Lin HC, Chen PC, Chou KH, Lin WM, Tasi NW, SuYJ, Michael Friedman, Lin CP*, Lin WC*, White Matter Damage and Systemic Inflammation in Obstructive Sleep Apnea. **Sleep**. 2015 Mar; 38(3): 361–370. (SCI ; IF=4.805) (CLINICAL NEUROLOGY 32/204=16%)
95. Li SH, Chen CH, Lu HI, Huang WT, Tien WY, Lan YC, Lee CC, Chen YH, Huang HY, Chang AY, Lin WC. Phosphorylated p70S6K expression is an independent prognosticator for patients with esophageal squamous cell carcinoma. **Surgery**. 2015 Mar;157(3):570-80. (SCI ; IF=3.356) (SURGERY 41/210=20%)
96. Chen MH, Lu CH, Wang HC, Chen HL, Tsai NW, Li SH, Hsu NW, Lin WM, Kung CT, Lin WC*. Long-term neuropsychological sequelae in HIV seronegative cryptococcal meningoencephalitis patients with and without ventriculoperitoneal shunts: a cine MRI study. **Behav Neurol**. 2015 Apr; 356476. (SCI ; IF=2.093) (CLINICAL NEUROLOGY 138/204=68%)
97. Chou KH, Lin WC*, Lee PL, Tsai NW, Huang YC, Chen HL, Cheng KY, Chen PC, Wang HC, Lin TK, Li SH, Lin WM, Lu CH, Lin CP*. Structural covariance networks of striatum subdivision in patients with Parkinson’s disease. **Hum Brain Mapp**. 2015 Apr; 36(4): 1567-84. (SCI ; IF=4.421) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 19/133=14%)
98. Lin WC*, Hsu TW, Chen CL, Lu CH, Chen HL, Cheng YF. Resting State-fMRI with ReHo Analysis as a

- Non-invasive Modality for the Prognosis of Patients with Overt Hepatic Encephalopathy. **PLoS One**. 2015 May;10(5):e0126834. (SCI ; IF=2.740) (MULTIDISCIPLINARY SCIENCES 27/71=38%)
99. Chang YT, Chang WN, Tsai NW, Huang CC, Wang HC, Kung CT, Su YJ, Lin WC, Chang HW, Cheng BC, Su CM, Chiang YF, Lu CH. Link between cerebral blood flow and autonomic function in survivors of internal carotid artery occlusion. **J Neurol Sci**. 2015 Jun;353(1-2):143-8. (SCI=3.956) (CLINICAL NEUROLOGY 48/204=24%)
 100. Lu CH, Lin HC, Huang CC, Lin WC, Chen HL, Chang HW, Friedman M, Chen CT, Tsai NW, Wang HC, Kung CT, Su YJ, Cheng BC. Increased circulating endothelial progenitor cells and antioxidant capacity in obstructive sleep apnea after surgical treatment. **Clin Chim Acta**. 2015 Jun;448:1-7. (SCI ; IF=2.615) (MEDICAL LABORATORY TECHNOLOGY 10/29=34%)
 101. Chang YT, Chang WN, Tsai NW, Cheng KY, Huang CC, Kung CT, Su YJ, Lin WC, Cheng BC, Su CM, Chiang YF, Lu CH. Clinical Features Associated with Frozen Shoulder Syndrome in Parkinson's Disease. **Parkinsons Dis**. 2015 Jun; 232958. (SCI ; IF=1.758) (CLINICAL NEUROLOGY 153/204=75 %)
 102. Chen HL, Lu CH, Chang CD, Chen PC, Chen MH, Hsu NW, Chou KH, Lin WM, Lin CP, Lin WC*. Structural deficits and cognitive impairment in tuberculous meningitis. **BMC Infect Dis**. 2015 Jul;15(1):279. [SCI=2.688] (INFECTIOUS DISEASES 52/93=56%)
 103. Chen PC, Chen MH, Chen HL, Lu CH, Chou KH, Wu RW, Tsai NW, Lin CP, Li SH, Chen YW, Cheng YF, Lin WC*. Callosal damage and cognitive deficits in chronic carbon monoxide intoxication: a diffusion tensor imaging study. **J Neurol Sci**. 2015 Aug;355(1-2):101-107. [SCI=3.956] (CLINICAL NEUROLOGY 48/204=24%)
 104. Su FM, Chen YC, Cheng TT, Lin WC, Lui CC. Is raloxifene associated with lower risk of mortality in postmenopausal women with vertebral fractures after vertebroplasty?: a hospital-based analysis. **BMC Musculoskelet Disord**. 2015 Aug;16:209-214. (SCI ; IF=1.879) (ORTHOPEDICS 44/82=54%)
 105. Chuang JM, Lin WC, Fang FM, Huang YJ, Ho JT, Lu CH. Bacterial brain abscess formation in post-irradiated patients: What is the possible pathogenesis? **Clin Neurol Neurosurg**. 2015 Sep;136:132-8. [SCI=1.530] (SURGERY 134/210=64%)
 106. Jao T, Schroter M, Chen CL, Cheng YF, Lo CZ, Chou KH, Patel AX, Lin WC*, Lin CP. Functional brain network changes associated with clinical and biochemical measures of the severity of hepatic encephalopathy **Neuroimage**. 2015 Nov;122:332-344. (SCI ; IF=5.902) (NEUROIMAGE 1/14=7%)
 107. Lin WC, Chou KH, Lee PL, Huang YC, Tsai NW, Chen HL, Cheng KY, Lin TK, Li SH, Chen MH, Lu CH*, Lin CP. Brain mediators of systemic oxidative stress on perceptual impairments in Parkinson's disease. **J Transl Med**. 2015 Dec; 13: 386. (SCI ; IF=4.124) (MEDICINE, RESEARCH & EXPERIMENTAL 45/138=33%)
 108. Chen YH, Huang CH, Lu HI, Chen CH, Huang WT, Hsieh MJ, Rau KM, Chang AY, Lin WC, Li SH. Prognostic impact of renin-angiotensin system blockade in esophageal squamous cell carcinoma. **J Renin Angiotensin Aldosterone Syst**. 2015 Dec;16(4):1185-92. (SCI ; IF=1.417) (PERIPHERAL VASCULAR DISEASE – SCIE 55/65=85%)
 109. Huang CC, Lin WC, Chen HL, Friedman M, Lin MC, Lin HC, Lu CH. Improvement of baroreflex sensitivity in patients with obstructive sleep apnea following surgical treatment. **Clin Neurophysiol**. 2016 Jan;127(1):544-550. (SCI ; IF=3.214) (CLINICAL NEUROLOGY 71/204= 35 %)
 110. Lin WC, Chen PC, Huang YC, Tsai NW, Chen HL, Wang HC, Lin TK, Choi KH, Chen MH, Chen YQ, Lu CH*. Dopaminergic therapy modulates cortical perfusion in Parkinson's disease with and without dementia according to arterial spin labeled perfusion MRI. **Medicine (Baltimore)**. 2016 Feb;95(5):e2206. (SCI ; IF=1.552)

(MEDICINE, GENERAL & INTERNAL, 89/165=54%)

111. Lu YT, Chang WN, Chang CC, Lu CH, Chen NC, Huang CW, Lin WC, Chang YT. Insula Volume and Salience Network Are Associated with Memory Decline in Parkinson Disease: Complementary Analyses of Voxel-Based Morphometry versus Volume of Interest. **Parkinsons Disease**. 2016 Feb;2939528. **(SCI ; IF=1.758)**
(CLINICAL NEUROLOGY 153/204=75 %)
112. Chen MH, Lu CH, Chen PC, Tsai NW, Huang CC, Chen HL, Yang IH, Yu CC, Lin WC*. Association between Autonomic Impairment and Structural Deficit in Parkinson's Disease. **Medicine** 2016 Mar;95(11):e3086. **(SCI ; IF=1.552)** **(MEDICINE, GENERAL & INTERNAL, 89/165=54%)**
113. Su YY, Chien CY, Luo SD, Huang TL, Lin WC, Fang FM, Chiu TJ, Chen YH, Lai CC, Hsu CM, Li SH. Betel nut chewing history is an independent prognosticator for smoking patients with locally advanced stage IV head and neck squamous cell carcinoma receiving induction chemotherapy with docetaxel, cisplatin, and fluorouracil. **World J Surg Oncol**. 2016 Mar;14(1):86. **(SCI ; IF=1.963)** **(ONCOLOGY 207/244=85%)**
114. Shih FY, Chang HH, Wang HC, Lee TH, Lin YJ, Lin WC, Chen WF, Ho JT, Lu CH. Risk factors for delayed neuro-surgical intervention in patients with acute mild traumatic brain injury and intracranial hemorrhage. **World J Emerg Surg**. 2016 Mar;11:13. **(SCI ; IF=4.10)** **(EMERGENCY MEDICINE 3/31=10%)**
115. Chen YC, Lin WC. Can anti-osteoporotic therapy reduce adjacent fracture in magnetic resonance imaging-proven acute osteoporotic vertebral fractures? **BMC Musculoskelet Disord**. 2016 Apr ;17(1):151. **(SCI ; IF=1.879)** **(ORTHOPEDICS 44/82=54%)**
116. Li SH, Lin WC, Huang TL, Chen CH, Chiu TJ, Fang FM, Huang WT, Hsu CM, Luo SD, Lai CC, Su YY, Chuang HC, Chien CY. Significance of mTOR in patients with locally advanced stage IV head and neck squamous cell carcinoma receiving induction chemotherapy with docetaxel, cisplatin, and fluorouracil. **Head Neck**. 2016 Apr;38 Suppl 1:E844-52. **(SCI ; IF=3.848)** **(OTORHINOLARYNGOLOGY 1/42=2%)**
117. Kung CT, Su CM, Chen CT, Cheng HH, Chang MW, Hung CW, Hung SC, Chang WN, Tsai NW, Wang HC, Su YJ, Huang CC, Lin WC, Cheng BC, Chang YT, Lu CH. Circulating endothelial progenitor cells may predict outcomes in adult patients with severe sepsis in the emergency department. **Clin Chim Acta**. 2016 Apr 455;1-6. **(SCI ; IF=2.615)** **(MEDICAL LABORATORY TECHNOLOGY 10/29=34%)**
118. Lin WC, Huang CC, Chen HL, Chou KH, Chen PC Tsai NW, Chen MH, Friedman M, Lin HC, Lu CH*. Longitudinal Brain Structural Alterations and Systemic Inflammation in Obstructive Sleep Apnea Before and After Surgical Treatment. **J Transl Med**. 2016 May 17;14(1):139 **(SCI ; IF=4.124)** **(MEDICINE, RESEARCH & EXPERIMENTAL 45/138=33%)**
119. Chen YC, Su FM, Cheng TT, Lin WC, Lui CC. Can antiosteoporotic therapy reduce mortality in MRI-proved acute osteoporotic vertebral fractures? **J Bone Miner Metab**. 2016 May;34(3):325-30 **(SCI ; IF=2.297)**
ENDOCRINOLOGY & METABOLISM 106/143=746 %)
120. Su CM, Cheng HH, Hung CW, Hsiao SY, Tsai NW, Chang WN, Wang HC, Lin WC, Cheng BC, Su YJ, Chang YT, Kung CT, Lu CH. The value of serial serum cell adhesion molecules in predicting acute kidney injury after severe sepsis in adults. **Clin Chim Acta**. 2016 Jun 1;457:86-91. **(SCI ; IF=2.615 ; MEDICAL LABORATORY TECHNOLOGY 10/29=34%)**
121. Tsai MH, Kuo PW, Myers CT, Li SW, Lin WC, Fu TY, Chang HY, Mefford HC, Chang YC, Tsai JW. A novel DCX missense mutation in a family with X-linked lissencephaly and subcortical band heterotopia syndrome inherited from a low-level somatic mosaic mother: Genetic and functional studies. **Eur J Paediatr Neurol**.

- 2016 Sep;20(5):788-94. (SCI ; IF=2.510) (PEDIATRIC 35/128=27%)
122. Li SH, Lu HI, Chang AY, Huang WT, Lin WC, Lee CC, Tien WY, Lan YC, Tsai HT, Chen CH. Angiotensin II type I receptor (AT1R) is an independent prognosticator of esophageal squamous cell carcinoma and promotes cells proliferation via mTOR activation. **Oncotarget**. 2016 Oct 11;7(41):67150-67165. (SCI ; IF=3.337) (ONCOLOGY 119/244=49%)
 123. Yu CC, Chen MH, Lu CH, Huang YC, Chen HL, Tsai NW, Wang HC, Yang IH, Li SH, Lin WC*. Altered striatocerebellar metabolism and systemic inflammation in parkinson's disease. **Oxidative Medicine and Cellular Longevity** 2016 Sep; 2016: 1810289. (SCI ; IF=5.076) (CELL BIOLOGY 56/195= 29%)
 124. Fang FM, Chuang HC, Chou SY, Huang TL, Wang CJ, Lin YT, Chiu TJ, Lin WC, Li SH, Su YY, Chien CY. The Therapeutic Benefit of Radical Resection for T4b Oral Cavity Squamous Cell Carcinoma with Partial or Complete Response After Radical Chemo-Intensity-Modulated Radiotherapy (IMRT) **Ann Surg Oncol** 2016 Dec 23:S866–S873 (SCI ; IF=4.061) (SURGERY 25/210= 12%)
 125. Chen YS, Chen MH, Lu CH, Chen PC, Chen HL, Yang IH, Tsai NW, Lin WC*. Associations among Cognitive Functions, Plasma DNA, and White Matter Integrity in Patients with Early-Onset Parkinson's Disease. **Front Neurosci**. 2017 Jan 24;11:9. (SCI ; IF=4.677) (NEUROSCIENCES , 87/273=32%)
 126. Chen MH, Chen PC, Lu CH, Chen HL, Chao YP, Li SH, Chen YW, Lin WC*. Plasma DNA Mediate Autonomic Dysfunctions and White Matter Injuries in Patients with Parkinson's Disease. **Oxid Med Cell Longev**. 2017 Jan ;7371403. (SCI ; IF=6.543) (CELL BIOLOGY 55/196= 28%)
 127. Lin WC, Chou KH, Lee PL, Tsai NW, Chen HL, Hsu AL, Chen MH, Huang YC, Lin CP, Lu CH*. Parkinson's disease: diagnostic utility of volumetric imaging. **Neuroradiology**. 2017 Apr;59(4):367-377. (SCI ; IF=2.804) (CLINICAL NEUROLOGY 130/208= 63 %)
 128. Chen YC, Lin WC. Poor 1st-year adherence to anti-osteoporotic therapy increases the risk of mortality in patients with magnetic resonance imaging-proven acute osteoporotic vertebral fractures. **Patient Prefer Adherence**. 2017 Apr 27;11:839-843. (SCI ; IF=2.711) (MEDICINE, GENERAL & INTERNAL, 63/169=37%)
 129. Chang YT, Lin HC, Chang WN, Tsai NW, Huang CC, Wang HC, Kung CT, Su YJ, Lin WC, Cheng BC, Su CM, Chen TY, Chiang YF, Lu CH. Impact of inflammation and oxidative stress on carotid intima-media thickness in obstructive sleep apnea patients without metabolic syndrome. **J Sleep Res**. 2017 Apr;26(2):151-158. (SCI ; IF=3.981) (CLINICAL NEUROLOGY 73/208=35 %)
 130. Chiang PL, Chen HL, Lu CH, Chen PC, Chen MH, Yang IH, Tsai NW, Lin WC*. White matter damage and systemic inflammation in Parkinson's disease. **BMC Neurosci**. 2017 Jun 8;18(1):48. (SCI ; IF=3.288) (NEUROSCIENCES , 165/273=60%)
 131. Lin WC*, Chen PC, Huang CC, Tsai NW, Chen HL, Wang HC, Chou KH, Chen MH, Chen YW, Lu CH*. Autonomic Function Impairment and Brain Perfusion Deficit in Parkinson's Disease. **Front Neurol**. 2017 Jun 8;8:246. (SCI ; IF=4.003) (CLINICAL NEUROLOGY 72/208= 35 %)
 132. Su YY, Chen CH, Chien CY, Lin WC, Huang WT, Li SH. Mitochondrial assembly receptor expression is an independent prognosticator for patients with oral tongue squamous cell carcinoma. **J Renin Angiotensin Aldosterone Syst**. 2017 Jul-Sep;18(3):71790. (SCI ; IF=1.636) (PERIPHERAL VASCULAR DISEASE – SCIE 59/65=91%)
 133. Lin WC*, Chen HL, Hsu TW, Hsu CC, Huang YC, Tsai NW, Lu CH*. Correlation between Dopamine Transporter Degradation and Striatocortical Network Alteration in Parkinson's Disease. **Front Neurol**. 2017 Jul 17;8:323.

(SCI ; IF=4.003) (CLINICAL NEUROLOGY 72/208= 35 %)

134. Chen YC, Lin WC. Risk of long-term infection-related death in clinical osteoporotic vertebral fractures: A hospital-based analysis. **PLoS One**. 2017 Aug 9;12(8):e0182614. (SCI ; IF=3.24) (MULTIDISCIPLINARY SCIENCES 26/73=36%)
135. Hsu SY, Chang HH, Shih FY, Lin YJ, Lin WC, Cheng BC, Su YJ, Kung CT, Ho YN, Tsai NW, Lu CH, Wang HC. Risk Factors for Ventriculoperitoneal Shunt Dependency in Patients with Spontaneous Cerebellar Hemorrhage. **World Neurosurg**. 2017 Sep;105:63-68. (SCI ; IF=2.104) (SURGERY 126/212= 59 %)
136. Chen CT, Chang CC, Chang WN, Tsai NW, Huang CC, Chang YT, Wang HC, Kung CT, Su YJ, Lin WC, Cheng BC, Su CM, Hsiao SY, Hsu CW, Lu CH. Neuropsychiatric symptoms in Alzheimer's disease: Associations with caregiver burden and treatment outcomes. **QJM**. 2017 Sep 1 ;110(9):565-570. (SCI ; IF=3.21) (MEDICINE, GENERAL & INTERNAL, 56/169=33%)
137. Su YJ, Chen CT, Tsai NW, Huang CC, Wang HC, Kung CT, Lin WC, Cheng BC, Su CM, Hsiao SY, Lu CH. The Role of Monocyte Percentage in Osteoporosis in Male Rheumatic Diseases. **Am J Mens Health**. 2017 Nov;11(6):1772-1780. (SCI ; IF=2.804) (PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 66/178= 37%)
138. Chen HL, Lin HC, Lu CH, Chen PC, Huang CC, Chou KH, Su MC, Friedman M, Chen YW, Lin WC*. Systemic inflammation and alterations to cerebral blood flow in obstructive sleep apnea. **J Sleep Res**. 2017 Dec;26(6):789-798.. (SCI ; IF=3.981) (CLINICAL NEUROLOGY 73/208=35 %)
139. Chen CT , Cheng KY , Chang WN , Tsai NW , Huang CC , Kung CT, Lin WC , Wang HC , Su YJ, Cheng BC, Chang YT, Su CM, Hsiao SY, Lu CH. Clinical Factors Associated with Fatigue in Parkinson's Disease. **Neuropsychiatry (London)** (2017) 7(5), 640–652.
140. Shao HC , Chen CT , Lin WC , Chang HW , Cheng KT , Chang WN , Tsai NW , Huang CC , Kung CT , Wang HC , Su YJ, Chang YT , Cheng BC, Su CM , Hsiao SY, Hsu CW, Lu CH. Clinical Factors Associated with the Risks of Depression in Patients with Parkinson's Disease. **Neuropsychiatry (London)** (2017) 7(4), 416–423.
141. Cheng KL, Chen HL, Chien CY, Tyan YS, Lin WC. The Role of Functional Magnetic Resonance Imaging in the Head and Neck Cancers. **International Journal of Head and Neck Science** 2017, 1(4): 220-230.
142. Lai YR, Lin YJ, Shih FY, Wang HC, Tsai NW, Kung CT, Lin WC, Cheng BC, Su YJ, Chang YT, Su CM, Hsiao SY, Huang CH, Lu CH. Effect of baroreceptor sensitivity on outcomes in patients with acute spontaneous intracerebral hemorrhage. **World Neurosurg**. 2018 Jan; 109:e754-e760.. (SCI ; IF=2.104) (SURGERY 126/212= 59 %)
143. Li SH, Lu HI, Huang WT, Tien WY, Lan YC, Lin WC, Tsai HT, Chen CH. The Prognostic Significance of Histone Demethylase UTX in Esophageal Squamous Cell Carcinoma. **Int J Mol Sci**. 2018 Jan 19;297. (SCI ; IF=5.924) (BIOCHEMISTRY & MOLECULAR BIOLOGY – SCIE 69/297=23 %)
144. Yang JC, Wu SC, Chiang MH, Lin WC. Targeting Reflux-Free Veins with a Vein Visualizer to Identify the Ideal Recipient Vein Preoperatively for Optimal Lymphaticovenous Anastomosis in Treating Lymphedema. **Plast Reconstr Surg**. 2018 Mar;141(3):793-797. (SCI ; IF=4.763) (SURGERY 28/212=13 %)
145. Yang JC, Wu SC, Chiang MH, Lin WC, Hsieh CH. Intraoperative identification and definition of "functional" lymphatic collecting vessels for supermicrosurgical lymphatico-venous anastomosis in treating lymphedema patients. **J Surg Oncol**. 2018 Mar 30. (SCI ; IF=3.454) (SURGERY 59/212=28 %)
146. Chiu TJ, Lu HI, Chen CH, Huang WT, Wang YM, Lin WC, Li SH. Osteopontin Expression Is Associated with the Poor Prognosis in Patients with Locally Advanced Esophageal Squamous Cell Carcinoma Receiving Preoperative Chemoradiotherapy **Biomed Res Int**. 2018 Apr 30;2018:9098215. (SCI ; IF=3.411)

(BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)

147. Lee SY, Chen MH, Chiang PL, Chen HL, Chou KH, Chen YC, Yu CC, Tsai NW, Li SH, Lu CH, Lin WC*. Reduced gray matter volume and respiratory dysfunction in Parkinson's disease: a voxel-based morphometry study. **BMC Neurol.** 2018 May 26;18(1):73. [SCI=2.474] **(CLINICAL NEUROLOGY 147/208=71%)**
148. Wang HC, Lin YT, Lin WC, Ho RW, Lin YJ, Tsai NW, Ho JT, Lu CH. Tumor Volume Changes During and After Temozolomide Treatment for Newly Diagnosed Higher-Grade Glioma (III and IV). **World Neurosurg.** 2018 Jun;114:e766-e774. (SCI ; IF=2.104) **(SURGERY 126/212= 59 %)**
149. Su YJ, Tsai NW, Kung CT, Wang HC, Lin WC, Huang CC, Chang YT, Su CM, Chiang YF, Cheng BC, Lin YJ, Lu CH. Investigation of MicroRNA in Mitochondrial Apoptotic Pathway in Systemic Lupus Erythematosus. **Biomed Res Int.** 2018 Jul 10;2018:26357. (SCI ; IF=3.411) **(BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)**
150. Huang YC, Hsu TW, Leong CP, Hsieh HC, Lin WC. Clinical Effects and Differences in Neural Function Connectivity Revealed by MRI in Subacute Hemispheric and Brainstem Infarction Patients With Dysphagia After Swallowing Therapy. **Front Neurosci.** 2018 Jul 20;12:488. (SCI ; IF=4.677) **(NEUROSCIENCES , 87/273=32%)**
151. Lee PL, Chou KH, Lu CH, Chen HL, Tsai NW, Hsu AL, Chen MH, Lin WC*, Lin CP. Extraction of large-scale structural covariance networks from grey matter volume for Parkinson's disease classification. **Eur Radiol.** 2018 Aug;28(8):3296-3305. (SCI ; IF=5.3151) **(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 22 /134=16%)**
152. Hung CW, Lin WC, Chang WN, Su TM, Kung CT, Tsai NW, Wang HC, Huang CC, Cheng BC, Su YJ, Chang YT, Su CM, Hsiao SY, Lu CH. Risk factors and outcomes of cerebrospinal fluid overdrainage in HIV-negative patients with cryptococcal meningitis after the ventriculoperitoneal shunting procedure. **J Microbiol Immunol Infect.** 2018 Aug;51(4):545-551. (SCI ; IF=4.399) **(MICROBIOLOGY 46/136=34%)**
153. Hsiao SY, Kung CT, Tsai NW, Su CM, Huang CC, Lai YR, Wang HC, Cheng BC, Su YJ, Lin WC, Chiang YF, Lu CH. Concentration and value of endocan on outcome in adult patients after severe sepsis. **Clin Chim Acta.** 2018 Aug;483:275-280. (SCI ; IF=3.786) **(MEDICAL LABORATORY TECHNOLOGY 7/29=24%)**
154. Tsai WC, Lien CY, Lee JJ, Lin WC, Hsu CW, Huang CR, Tsai NW, Chang CC, Lu CH, Chang WN. The prognostic factors of HIV-negative adult cryptococcal meningitis with a focus on cranial MRI-based neuroimaging findings. **J Clin Neurosci.** 2018 Sep; 55:57-61. . (SCI ; IF=1.961) **(CLINICAL NEUROLOGY 167/208=80%)**
155. Chen CY, Wu RW, Tsai NW, Lee MS, Lin WC, Hsu MC, Huang CC, Lai YR, Kung CT, Wang HC, Su YJ, Su CM, Hsiao SY, Cheng BC, Chiang YF, Lu CH. Increased circulating endothelial progenitor cells and improved short-term outcomes in acute non-cardioembolic stroke after hyperbaric oxygen therapy. **J Transl Med.** 2018 Sep 12;16(1):255. (SCI ; IF=5.531) **(MEDICINE, RESEARCH & EXPERIMENTAL 41/140=29%)**
156. Chiang PL, Chen HL, Lu CH, Chen YS, Chou KH, Hsu TW, Chen MH, Tsai NW, Li SH, Lin WC*. Interaction of systemic oxidative stress and mesial temporal network degeneration in Parkinson's disease with and without cognitive impairment. **J Neuroinflammation.** 2018 Sep 26;15(1):281. (SCI ; IF=8.322) **(NEUROSCIENCES , 23/273=8%)**
157. Tsai WC, Lien CY, Lee JJ, Lin WC, Hsu CW, Huang CR, Tsai NW, Chang CC, Lu CH, Chang WN. The prognostic factors of HIV-negative adult cryptococcal meningitis with a focus on cranial MRI-based neuroimaging findings. **J Clin Neurosci.** 2018 Sep;55:57-61. (SCI ; IF=1.961) **(CLINICAL NEUROLOGY 167/208=80%)**

158. Chen WC, Chang YT, Chen SF, Lin WC, Su YY, Luo SD. The symptom burden of autonomic dysfunction is positively associated with chronic rhinosinusitis status. **Rhinology**. 2018 Sep 1;56(3):227-233. (SCI ; IF=3.681) (OTORHINOLARYNGOLOGY 3/44=7%)
159. Sung PH, Lin HS, Lin WC, Chang CC, Pei SN, Ma MC, Chen KH, Chiang JY, Chang HW, Lee FY, Lee MS, Yip HK. Intra-carotid arterial transfusion of autologous circulatory derived CD34+ cells for old ischemic stroke patients - a phase I clinical trial to evaluate safety and tolerability. **Am J Transl Res**. 2018 Sep 15;10(9):2975-2989. (SCI ; IF=4.06) (MEDICINE, RESEARCH & EXPERIMENTAL, 70/140=50%)
160. Cheng KL, Lin WC*. RE: 2017 Thyroid Radiofrequency Ablation Guideline: The Korean Society of Thyroid Radiology. **Korean J Radiol**. 2018 Nov-Dec;19(6):1196-1197. (SCI ; IF=3.5) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 48 /134=36%)
161. Chen WC, Lin WC, Tsai MH, Chen HL, Chien CY. Clinical Analysis of Hemodynamic Change Over the Facial Artery in Oral Squamous Cell Carcinoma. **臺灣耳鼻喉頭頸外科雜誌**, 2018 Dec;53(4):149 -157.
162. Lue LF, Chiu MJ, Pai MC, Chen TF, Hu CJ, Huang LK, Lin WC, Wu CC. Correlation between plasma amyloid beta and tau concentrations in cognitively normal controls aged 24 to 91 years old. **Alzheimer's & Dementia** 14 (7S_Part_30) (2018) P1553-P1553.
163. Chen YY, Chuang YC, Chen JB, Lien CY, Lin WC, Lee CC, Hsu SW. Significance of the Ventral Striatal-Network in Dialysis Patients: Structural Covariance Analysis and Relationship with Neurobehavioral Outcomes. **Neuropsychiatry** (2018) 8 (6), 1786-1796.
164. Chen YH, Chien CY, Fang FM, Huang TL, Su YY, Luo SD, Huang CC, Lin WC, Li SH. Nox4 Overexpression as a Poor Prognostic Factor in Patients with Oral Tongue Squamous Cell Carcinoma Receiving Surgical Resection. **J Clin Med**. 2018 Dec 1;7(12). (SCI ; IF=4.242) (MEDICINE, GENERAL & INTERNAL, 39/169=23%)
165. Li SH, Lu HI, Huang WT, Chen YH, Lo CM, Lan YC, Lin WC, Tsai HT, Chen CH. An actin-binding protein ESPN is an independent prognosticator and regulates cell growth for esophageal squamous cell carcinoma. **Cancer Cell Int**. 2018 Dec 29;18:219. (SCI ; IF=5.722) (ONCOLOGY, 71/244=29 %)
166. Huang YC, Li SH, Lu HI, Hsu CC, Wang YM, Lin WC, Chen CJ, Ho KW, Chiu NT. Post-chemoradiotherapy FDG PET with qualitative interpretation criteria for outcome stratification in esophageal squamous cell carcinoma. **PLoS One**. 2019 Jan 7;14(1). (SCI ; IF=3.24) (MULTIDISCIPLINARY SCIENCES 26/73=36%)
167. Lai YR, Chiu WC, Huang CC, Tsai NW, Wang HC, Lin WC, Cheng BC, Su YJ, Su CM, Hsiao SY, Lu CH. HbA1C Variability Is Strongly Associated With the Severity of Peripheral Neuropathy in Patients With Type 2 Diabetes. **Front Neurosci**. 2019 Feb 13;13:90. (SCI ; IF=4.677) (NEUROSCIENCES , 87/273=32%)
168. Cheng BC, Chen PC, Chen PC, Lu CH, Huang YC, Chou KH, Li SH, Lin AN, Lin WC*. Decreased cerebral blood flow and improved cognitive function in patients with end-stage renal disease after peritoneal dialysis: An arterial spin-labelling study. **Eur Radiol**. 2019 Mar;29(3):1415-1424. (SCI ; IF=5.3151) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 22 /134=16%)
169. Lin AN, Cheng BC, Chen MH, Lin CY, Lu CH, Chen HL, Chiang PL, Chen YS, Yu CC, Lin WC*. Quantitative Measurement of Brain Iron Deposition In Patients With Peritoneal Dialysis Using Susceptibility Mapping. **Journal of Radiological Science** . 2019 Mar; 44: 55-66.
170. Su CM, Kung CT, Hsiao SY, Tsai NW, Lai YR, Huang CC, Wang HC, Lin WC, Cheng BC, Su YJ, Lu CH. Diagnosis of Parapneumonia Pleural Effusion with Serum and Pleural Fluid Cell-Free DNA. **Biomed Res Int**. 2019 Mar 4;2019:5028512. (SCI ; IF=3.411) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)

171. Lai YR, Lin JR, Chang WN, Tsai NW, Huang CC, Wang HC, Su YJ, Lin WC, Cheng BC, Su CM, Hsiao SY, Kuo CE, Lu CH. Outcomes of adjunctive steroid therapy in adult patients with bacterial meningitis in Taiwan: A nationwide population-based epidemiologic study. **J Clin Neurosci.** 2019 Mar;61:54-58. (SCI ; IF=1.961) (CLINICAL NEUROLOGY 167/208=80%)
172. Tsai WC, Lin HC, Lai YR, Hsu CW, Huang CC, Wang HC, Su CM, Su YJ, Lin WC, Cheng BC, Chang WN, Lu CH, Tsai NW. The Effect of Stroke Subtypes on Baroreceptor Sensitivity, a Predict for Acute Stroke Outcome. **Biomed Res Int.** 2019 Apr 18;2019:7614828. (SCI ; IF=3.411) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)
173. Lai YR, Huang CC, Chiu WC, Liu RT, Tsai NW, Wang HC, Lin WC, Cheng BC, Su YJ, Su CM, Hsiao SY, Wang PW, Chen JF, Lu CH. HbA1C Variability Is Strongly Associated With the Severity of Cardiovascular Autonomic Neuropathy in Patients With Type 2 Diabetes After Longer Diabetes Duration. **Front Neurosci.** 2019 May 14;13:458. (SCI ; IF=4.677) (NEUROSCIENCES , 87/273=32%)
174. Chen YS, Chen HL, Lu CH, Chen MH, Chou KH, Tsai NW, Yu CC, Chiang PL, Lin WC*. Reduced lateral occipital gray matter volume is associated with physical frailty and cognitive impairment in Parkinson's disease. **Eur Radiol.** 2019 May;29(5):2659-2668. (SCI ; IF=5.3151) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 22 /134=16%)
175. Yeh PY, Yu L, Guo NW, Lin WC, Wu CK. Observation and Imitation of Social Emotions Are Essential for Improving Cognitive and Affective Theory of Mind in Schizophrenia: A Meta-analysis. **J Nerv Ment Dis.** 2019 Jun;207(6):474-481. (SCI ; IF=2.254) (CLINICAL NEUROLOGY 155/208=75%)
176. Wang LJ, Li SC, Kuo HC, Chou WJ, Lee MJ, Chou MC, Tseng HH, Hsu CF, Lee SY, Lin WC*. Gray matter volume and microRNA levels in patients with attention-deficit/hyperactivity disorder. **Eur Arch Psychiatry Clin Neurosci.** 2019 Jun; 270:1034-1045 . (SCI ; IF=5.276) (CLINICAL NEUROLOGY 41/208=20%)
177. Hsiao SY, Lai YR, Kung CT, Tsai NW, Su CM, Huang CC, Wang HC, Cheng BC, Su YJ, Lin WC, Chiang YF, Ko JY, Lu CH. α -1-Acid Glycoprotein Concentration as an Outcome Predictor in Adult Patients with Sepsis. **Biomed Res Int.** 2019 Jun 12;2019:3174896. (SCI ; IF=3.411) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)
178. Lai YR, Huang CC, Chiu WC, Liu RT, Tsai NW, Wang HC, Lin WC, Cheng BC, Su YJ, Su CM, Hsiao SY, Wang PW, Chen JF, Ko JY, Lu CH. Close relationship between cardiovagal function and sural sensory nerve action potential in type 2 diabetes. **Clin Neurophysiol.** 2019 Jul;130(7):1160-1165. (SCI ; IF=3.708) (CLINICAL NEUROLOGY 81/208= 39 %)
179. Lin HC, Tsai WC, Lin JR, Chang WN, Huang CC, Wang HC, Kung CT, Su CM, Su YJ, Lin WC, Cheng BC, Lu CH, Tsai NW. Adjunctive statin therapy reduces intracranial hemorrhage and 1-year mortality in patients with atrial fibrillation after acute ischemic stroke: A population-based epidemiological study from Taiwan. **J Clin Neurosci.** 2019 Jul (19)30879-3. (SCI ; IF=1.961) (CLINICAL NEUROLOGY 167/208=80%)
180. Lin HC, Lin JR, Tsai WC, Lu CH, Chang WN, Huang CC, Wang HC, Kung CT, Su CM, Su YJ, Lin WC, Cheng BC, Hsu CW, Lai YR, Tsai NW. The outcomes of statin therapy in patients with acute ischemic stroke in Taiwan: A nationwide epidemiologic study. **QJM.** 2019 Jul 26. pii: hcz189. ((SCI ; IF=3.21) (MEDICINE, GENERAL & INTERNAL, 56/169=33%))
181. Huang CC, Lin HC, Lai YR, Tsai NW, Lin WC, Wang HC, Kung CT, Cheng BC, Su YJ, Su CM, Hsiao SY, Lu CH. Long-term effects of surgical treatment on baroreflex function in patients with obstructive sleep apnea: an

- 18-month follow-up. **Sleep Med.** 2019 Aug; 60:152-158. (SCI ; IF=3.492) (CLINICAL NEUROLOGY 94/208=45%)
182. Lue LF, Pai MC, Chen TF, Hu CJ, Huang LK, Lin WC, Wu CC, Jeng JS, Blennow K, Sabbagh MN, Yan SH, Wang PN, Yang SY, Hatsuta H, Morimoto S, Takeda A, Itoh Y, Liu J, Xie H, Chiu MJ. Age-Dependent Relationship Between Plasma A β 40 and A β 42 and Total Tau Levels in Cognitively Normal Subjects. **Front Aging Neurosci.** 2019 Sep 3;11:222. (SCI ; IF=5.75 ; (GERIATRICS & GERONTOLOGY 9/53=17%)
 183. Lin WC, Huang YC, Leong CP, Chen MH, Chen HL, Tsai NW, Tso HH, Chen PC, Lu CH. Associations Between Cognitive Functions and Physical Frailty in Patients With Parkinson's Disease. **Front Aging Neurosci.** 2019 Oct 30;11:283. (SCI ; IF=5.75 ; (GERIATRICS & GERONTOLOGY 9/53=17%)
 184. Wang CK, Chen HL, Lu CH, Chen MH, Chiang PL, Chen YS, Lin WC*, Altered Body Composition of Psoas and Thigh Muscles in Relation to Frailty and Severity of Parkinson's Disease. **Int J Environ Res Public Health.** 2019 Oct; 16(19): 3667. (SCI ; IF=3.39) (PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 41/176= 23%)
 185. Tung YC, Luo SD, Su YY, Chen WC, Chen HL, Cheng KL, Lin WC*. Evaluation of Outcomes following Radiofrequency Ablation for Treatment of Parotid Tail Warthin Tumors. **J Vasc Interv Radiol.** 2019 Oct;30(10):1574-1580. (SCI ; IF= 3.464) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 52/134=39%)
 186. Huang WT, Lu HI, Wang YM, Chen YH, Lo CM, Lin WC, Lan YC, Tseng LH, Li SH. Positive Programmed Cell Death-Ligand 1 Expression Predicts Poor Treatment Outcomes in Esophageal Squamous Cell Carcinoma Patients Receiving Neoadjuvant Chemoradiotherapy. **J Clin Med.** 2019 Nov 3;8(11). (SCI ; IF=4.242) (MEDICINE, GENERAL & INTERNAL, 39/169=23%)
 187. Lue LF, Pai MC, Chen TF, Hu CJ, Huang LK, Lin WC, Wu CC, Jeng JS, Blennow K, Sabbagh MN, Yan SH, Wang PN, Yang SY, Hatsuta H, Morimoto S, Takeda A, Itoh Y, Liu J, Xie H, Chiu MJ. Corrigendum: Age-Dependent Relationship Between Plasma A β 40 and A β 42 and Total Tau Levels in Cognitively Normal Subjects. **Front Aging Neurosci.** 2019 Nov 8;11:292. (SCI ; IF=5.75 ; (GERIATRICS & GERONTOLOGY 9/53=17%)
 188. Lee CY, Chen HL, Chen PC, Chen YS, Chiang PL, Wang CK, Lu CH, Chen MH, Chou KH, Huang YC, Lin WC* Correlation between Executive Network Integrity and Sarcopenia in Patients with Parkinson's Disease. **Int J Environ Res Public Health.** 2019 Dec 4;16(24). (SCI ; IF=3.39) (PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 41/176= 23%)
 189. Chen HL, Yamada K, Sakai K, Lu CH, Chen MH, Lin WC*. Alteration of brain temperature and systemic inflammation in Parkinson's disease. **Neurol Sci.** 2020 Jan 10. (SCI ; IF=3.307) (CLINICAL NEUROLOGY 103/208= 50 %)
 190. Lai YR, Huang CC, Chiu WC, Liu RT, Tsai NW, Wang HC, Lin WC, Cheng BC, Su YJ, Su CM, Hsiao SY, Wang PW, Chen JF, Ko JY, Lu CH. The role of blink reflex R1 latency as an electrophysiological marker in diabetic distal symmetrical polyneuropathy. **Clin Neurophysiol.** 2020 Jan; 131(1):34-39. (SCI ; IF=3.708) (CLINICAL NEUROLOGY 81/208= 39 %)
 191. Wu YN, Chen MH, Chiang PL, Lu CH, Chen HL, Yu CC, Chen YS, Chang YY, Lin WC*. Associations between Brain Structural Damage and Core Muscle Loss in Patients with Parkinson's Disease. **J Clin Med.** 2020 Jan 16;9(1). (SCI ; IF=4.242) (MEDICINE, GENERAL & INTERNAL, 39/169=23%)
 192. Lai YR, Huang CC, Chiu WC, Liu RT, Tsai NW, Wang HC, Lin WC, Cheng BC, Su YJ, Su CM, Hsiao SY, Chang HW, Chen JF, Ko JY, Lu CH. Sural nerve sensory response in diabetic distal symmetrical polyneuropathy. Muscle

- Nerve. 2020 Jan; 61(1)88-94. (SCI ; IF =3.217) (CLINICAL NEUROLOGY 106/208=51%)
193. Chen HL, Huang CC, Lin HC, Lu CH, Chen PC, Chou KH, Su MC, Friedman M, Lin CP, Lin WC*. White matter alteration and autonomic impairment in obstructive sleep apnea. **J Clin Sleep Med.** 2020 Feb 15;16(2):293-302. (SCI ; IF=4.062) (CLINICAL NEUROLOGY 69/208= 33 %)
 194. Yang JC, Wu SC, Lin WC, Chiang MH, Chiang PL, Hsieh CH. Supermicrosurgical Lymphaticovenous Anastomosis as Alternative Treatment Option for Moderate-to-Severe Lower Limb Lymphedema. **J Am Coll Surg.** 2020 Feb;230(2):216-227. (SCI ; IF=6.113) (SURGERY 14/212=6 %)
 195. Chia-Shen Yang J, Wu SC, Lin WC, Chiang MH, Chiang PL, Hsieh CH. Supermicrosurgical Lymphaticovenous Anastomosis as an Alternative Treatment Option for Moderate-to-Severe Lower Limb Lymphedema. **J Am Coll Surg.** 2020 Feb. 230:216-227. (SCI ; IF=6.113) (SURGERY 14/212=6 %)
 196. Hsu CW, Lin HC, Tsai WC, Lai YR, Huang CC, Su YJ, Cheng BC, Su MC, Lin WC, Chang CL, Chang WN, Lin MC, Lu CH, Tsai NW. Respiratory Muscle Training Improves Functional Outcomes and Reduces Fatigue in Patients with Myasthenia Gravis: A Single-Center Hospital-Based Prospective Study. **Biomed Res Int.** 2020 Mar 19;2020:2923907. (SCI ; IF=3.411) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY 71/162=44 %)
 197. Chen NC, Chen HL, Li SH, Chang YH, Chen MH, Tsai NW, Yu CC, Yang SY, Lu CH, Lin WC*. Plasma Levels of α -Synuclein, A β -40 and T-tau as Biomarkers to Predict Cognitive Impairment in Parkinson's Disease. **Front Aging Neurosci.** 2020 Apr 28;12:112. (SCI ; IF=5.75 ; (GERIATRICS & GERONTOLOGY 9/53=17%)
 198. Liu HC, Lin WC, Chiu MJ, Lu CH, Lin CY, Yang SY. Development of an assay of plasma neurofilament light chain utilizing immunomagnetic reduction technology. **PLoS One.** 2020 Jun 12;15(6):e0234519. (SCI ; IF=3.24) (MULTIDISCIPLINARY SCIENCES 26/73=36%)
 199. Ho CH, Tan TY, Hwang CF, Lin WC, Wu CN, Yang CH. Association of carotid intima-media thickness with the risk of sudden sensorineural hearing loss. **PeerJ.** 2020 Jun 3;8:e9276. (SCI ; IF=2.984) ; (MULTIDISCIPLINARY SCIENCES 27/73=37%)
 200. Hsiao SY, Kung CT, Su CM, Lai YR, Huang CC, Tsai NW, Wang HC, Cheng BC, Su YJ, Lin WC, Chiang YF, Lu CH. Impact of oxidative stress on treatment outcomes in adult patients with sepsis: A prospective study. **Medicine (Baltimore).** 2020 Jun 26;99(26). (SCI ; IF=1.889) (MEDICINE, GENERAL & INTERNAL, 99/169%)
 201. Chen WC, Lin WC, Yang CH, Wu CN, Luo SD. Autonomic dysfunction as an independent risk factor for uncontrolled inflammation in chronic rhinosinusitis following functional endoscopic sinus surgery. **Rhinology** 2020 Jun. 58;200-207. (SCI ; IF=3.681) (OTORHINOLARYNGOLOGY 3/44=7%)
 202. Tsai WC, Lin HC, Chang CC, Chang WN, Huang CC, Cheng KY, Wang HC, Lin WC, Hsiao SY, Lai YR, Lu CH, Tsai NW. Neuropsychiatric symptoms in Parkinson's disease: association with caregiver distress and disease severity. **Int Psychogeriatr.** 2020 Jun 32(6)733-739. (SCI ; IF=3.878 ; (GERONTOLOGY 7/36=19%)
 203. Tseng YH, Chou WY, Wu KT, Chang CD, Chen YC, Huang YC, Lin WC, Chen PC. Use sonoelastography to predict the reparability of large-to-massive rotator cuff tears. **Medicine (Baltimore).** 2020 Jul 2; 99(27):e21139. (SCI ; IF=1.889) (MEDICINE, GENERAL & INTERNAL, 99/169%)
 204. Yu CC, Chen HL, Chen MH, Lu CH, Tsai NW, Huang CC, Chang YY, Li SH, Chen YS, Chiang PL, Lin WC*. Vascular inflammation is a risk factor associated with brain atrophy and disease severity in Parkinson's disease: a case-control study. **Oxid Med Cell Longev.** 2020, 2020:2591248. (SCI ; IF=6.543) (CELL BIOLOGY 55/196= 28%)
 205. Lin WC , Hsu TW , Lu CH , Chen HL. Alterations in sympathetic and parasympathetic brain networks in

- obstructive sleep apnea. **Sleep Med.** 2020 Sep;73:135-142. (SCI ; IF=3.492) (CLINICAL NEUROLOGY 94/208= 45 %)
206. Lin WC, Kan NN, Chen HL, Luo SD, Tung YC, Chen WC, Chou CK Chi SU, Chen MH, Su YY, Cheng KL, Baek JH. Efficacy and safety of single-session radiofrequency ablation for benign thyroid nodules of different sizes: a retrospective study. **Int J Hyperthermia** 2020;37(1):1082-1089. (SCI ; IF=3.914) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 37 /134=28%)
207. Cheng KL , Lin LH , Chen PC, Chiang PL, Chen YS, Chen HL, Chen MH, Chou KH, Li SH, Lu CH, Lin WC* Reduced Gray Matter Volume and Risk of Falls in Parkinson's Disease with Dementia Patients: A Voxel-Based Morphometry Study. **Int J Environ Res Public Health.** 2020 Jul 26;17(15):5374. (SCI ; IF=3.39) (PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 41/176= 23%)
208. Chen YC, Lin WC, Cheng TT, Chen JF, Yu SF, Hsu CY. Lower Central Fat Increase Risk of One-Year Muscle Mass Loss in Menopausal Women. **Mediators Inflamm.** 2020 Sep 2;2020:4650318. (SCI ; IF=4.711) (CELL BIOLOGY 93/196= 47%)
209. Tsai PL, Wu SC, Lin WC, Mito D, Chiang MH, Hsieh CH, Yang JC. Determining factors in relation to lymphovascular characteristics and anastomotic configuration in supermicrosurgical lymphaticovenous anastomosis - A retrospective cohort study. **Int J Surg.** 2020 Sep; 81:39-46. (SCI ; IF=6.071) (SURGERY 15/212=7 %)
210. Lai YR, Chen MH, Lin WC, Chiu WC, Cheng BC, Chen JF, Tsai NW, Huang CC, Lu CH. Leptin mediate central obesity on the severity of cardiovascular autonomic neuropathy in well-controlled type 2 diabetes and prediabetes. **J Transl Med.** 2020 Oct 19;18(1):396. (SCI ; IF=5.531) (MEDICINE, RESEARCH & EXPERIMENTAL 41/140=29%)
211. Chen KC, Yu HR, Chen WS, Lin WC, Lee YC, Chen HH, Jiang JH, Su TY, Tsai CK, Tsai TA, Tsai CM, Lu HH. Diagnosis of common pulmonary diseases in children by X-ray images and deep learning. **Sci Rep.** 2020 Oct 15;10(1):17374. (SCI ; IF=4.38) (MULTIDISCIPLINARY SCIENCES 17/73=23%)
212. Lin WC, Lu CH, Chiu PY, Yang SY. Plasma Total α -Synuclein and Neurofilament Light Chain: Clinical Validation for Discriminating Parkinson's Disease from Normal Control. **Dement Geriatr Cogn Disord.** 2020 Nov;49(4):401-409. (SCI ; IF=2.959) (CLINICAL NEUROLOGY 125/208= 60 %)
213. Chang TC, Chen YC, Huang YC, Lin WC, Lu CH. Systemic oxidative stress and cognitive function in Parkinson's disease with different PWMH or DWMH lesions. **BMC Neurol.** 2021 Jan 11;21(1):16. (SCI ; IF= 2.474) (CLINICAL NEUROLOGY 147/208=71%)
214. Chen YS, Chen HL, Lu CH, Lee CY, Chou KH, Chen MH, Yu CC, Lai YR, Chiang PL, Lin WC*. The corticolimbic structural covariance network as an early predictive biosignature for cognitive impairment in Parkinson's disease. **Sci Rep.** 2021 Jan 13;11(1):862. (SCI ; IF=4.38) (MULTIDISCIPLINARY SCIENCES 17/73=23%)
215. Ha EJ, Baek JH, Che Y, Chou YH, Fukunari N, Kim JH, Lin WC, My LT, Na DG, Quek LHH, Wu MH, Yamakado K, Zhou J. Radiofrequency ablation of benign thyroid nodules: recommendations from the Asian Conference on Tumor Ablation Task Force. **Ultrasonography** 2021 Jan;40(1):75-82.
216. Yang JCS, Wu SC, Lin WC, Chiang MH, Hsieh CH. Reversing venous-lymphatic reflux following side-to-end lymphaticovenous anastomosis with ligation of the proximal lymphatic vessel. **J Plast Reconstr Aesthet Surg.** 2021 Feb;74(2):407-447. (SCI ; IF=2.74) (SURGERY 90/212=42 %)
217. Chen HL, Chen PC, Lu CH, Tsa NW, Yu CC, Chou KH, Lai YR, Taoka T, Lin WC*. Associations among Cognitive

- Functions, Plasma DNA, and Diffusion Tensor Image along the Perivascular Space (DTI-ALPS) in Patients with Parkinson's Disease. **Oxid Med Cell Longev.** 2021 Feb 16;2021:4034509. (SCI ; IF=6.543) (CELL BIOLOGY 55/196= 28%)
218. Wang LJ, Lin LC, Lee SY, Wu CC, Chou WJ, Hsu CF, Tseng HH, Lin WC*. I-Cystine is associated with the dysconnectivity of the default-mode network and salience network in attention-deficit/hyperactivity disorder. **Psychoneuroendocrinology.** 2021 Mar;125:105105. (SCI ; IF=4.905) (PSYCHIATRY 38/156= 24%)
219. Fu TY, Ho CR, Lin CH, Lu YT, Lin WC, Tsai MH. Hippocampal Malrotation: A Genetic Developmental Anomaly Related to Epilepsy? **Brain Sci.** 2021 Apr 5;11(4):463. (SCI ; IF=3.394) (NEUROSCIENCES , 157/271=35%)
220. Lane HY, Tu CH, Lin WC, Lin CH. Brain Activity of Benzoate, a D-Amino Acid Oxidase Inhibitor, in Patients With Mild Cognitive Impairment in a Randomized, Double-Blind, Placebo Controlled Clinical Trial. **Int J Neuropsychopharmacol.** 2021 May 18;24(5):392-399. (SCI ; IF=5.176) (CLINICAL NEUROLOGY 45/208= 22%)
221. Cha CH, Luo SD, Chiang PL, Chen WC, Tung YC, Su YY, Lin WC*. Long-Term Outcomes of Radiofrequency Ablation for Treatment of Cystic Warthin Tumors versus Solid Warthin Tumors. **Int J Environ Res Public Health.** 2021 Jun 21;18(12):6640. (SCI ; IF=3.39) (PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH 41/176= 23%)
222. Lin WC, Tung YC, Chang YH, Luo SD, Chiang PL, Huang SC, Chen WC, Chou CK, Su YY, Chen WC, Chi SY, Baek JH. Radiofrequency ablation for treatment of thyroid follicular neoplasm with low SUV in PET/CT study. **Int J Hyperthermia.** 2021 Jun;38(1):963-969. (SCI ; IF=3.914) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 37 /134=28%)
223. Chiang PL, Lin WC*, Chen HL, Luo SD, Chen MH, Chen WC, Chang YH, Chou CK, Su YY, Tung YC, Chen WC, Chi SY, Baek JH. Efficacy and safety of single-session radiofrequency ablation for intrathoracic goiter: preliminary results and short-term evaluation. **Int J Hyperthermia.** 2021 Jun;38(1):976-984. (SCI ; IF=3.914) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 37 /134=28%)
224. Eun Ju Ha , Jung Hwan Baek , Che Y ,Chou YH , Nobuhiro Fukunari , Kim JH, Lin WC , Le Thi My , Dong Gyu Na , Lawrence Han Hwee Quek , MH Wu , Koichiro Yamakado , Jianhua Zhou . Radiofrequency Ablation of Benign Thyroid Nodules: Recommendations from the Asian Conference on Tumor Ablation Task Force - Secondary Publication. **J Med Ultrasound.** 2021 Jun 21;29(2):77-83.
225. Yang JCS, Wu SC, Hayashi A, Lin WC, Huang GK, Tsai PY, Chien PC, Hsieh CH. Lower Limb Lymphedema Patients Can Still Benefit from Supermicrosurgical Lymphaticovenous Anastomosis (LVA) after Vascularized Lymph Node Flap Transfer (VLNT) as Delayed Lymphatic Reconstruction-A Retrospective Cohort Study. **J Clin Med.** 2021 Jul 15;10(14):3121. (SCI ; IF=4.242) (MEDICINE, GENERAL & INTERNAL, 39/169=23%)
226. Lin YP, Liang HY, Chen YS, Lu CH, Wu YR, Chang YY, Lin WC*. Objective assessment of impulse control disorder in patients with Parkinson's disease using a low-cost LEGO-like EEG headset: a feasibility study . **J Neuroeng Rehabil.** 2021 Jul 2;18(1):109. (SCI ; IF=4.262 ; (REHABILITATION 4/68=5%)
227. Yu CC, Lu CY, Chen MH, Chen YS, Lu CH, Lin YY, Chou KH, Lin WC*. Brain Atrophy Mediates the Relationship between Misfolded Proteins Deposition and Cognitive Impairment in Parkinson's Disease. **J Pers Med.** 2021 Jul 23;11(8):702. (SCI ; IF=4.945) (MEDICINE, GENERAL & INTERNAL, 31/169=18%)
228. Chen PC, Yu CC, Chen YS, Lu CH, Chan SH, Chou KH, Chen MH, Lin WC. The Potential Effects of Oxidative Stress-Related Plasma Abnormal Protein Aggregate Levels on Brain Volume and Its Neuropsychiatric

- Consequences in Parkinson's Disease. **Oxid Med Cell Longev.** 2021 Aug 14;2021:3666327. (SCI ; IF=6.543) (CELL BIOLOGY 55/196= 28%)
229. Lin YH, Cheng JY, Huang BS, Luo SD, Lin WC, Chou SY, Juang PJ, Li SH, Huang EY, Wang YM. Significant Reduction in Vertebral Artery Dose by Intensity Modulated Proton Therapy: A Pilot Study for Nasopharyngeal Carcinoma. **J Pers Med.** 2021 Aug 22;11(8):822. (SCI ; IF=4.945) (MEDICINE, GENERAL & INTERNAL, 31/169=18%)
230. Lin WC, Tai YF, Chen MH, Luo SD, Huang F, Chen WC, Chiang PL, Chen HL, Chen MH, Baek JH. Ultrasound-Guided Moving Shot Radiofrequency Ablation of Benign Soft Tissue Neoplasm. **Medicina (Kaunas).** 2021 Aug 17;57(8):830. (SCI ; IF=2.43) (MEDICINE, GENERAL & INTERNAL, 80/169=47%)
231. Lin WC, Lee PL, Lu CH, Lin CP, Chou KH. Linking Stage-Specific Plasma Biomarkers to Gray Matter Atrophy in Parkinson Disease. **AJNR Am J Neuroradiol** 2021 Aug;42(8):1444-1451. (SCI ; IF=3.825) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 40 /134=30%)
232. Chen YF, Chang YP, Chen WF, Lin WC, Chang YY, Lin HC, Shih FY. Effect of Intraoperative Computed Tomography in Microelectrode Recording during Frameless Stereotactic Deep Brain Stimulation for Parkinson Disease. **World Neurosurg.** 2021 Oct;154:e1-e6. (SCI ; IF=2.104) (SURGERY 126/212=59 %)
233. Hu CJ, Chiu MJ, Pai MC, Yan SH, Wang PN, Chiu PY, Lin CH, Chen TF, Yang FC, Huang KL, Hsu YT, Hou YC, Lin WC, Lu CH, Huang LK, Yang SY. Assessment of High Risk for Alzheimer's Disease Using Plasma Biomarkers in Subjects with Normal Cognition in Taiwan: A Preliminary Study. **J Alzheimers Dis Rep.** 2021 Oct 21;5(1):761-770.
234. Lin AN, Lin WC, Cheng KL, Luo SD, Chiang PL, Chen WC, Chen YS, Wang CK, Kan NN, Su YY. Radiofrequency Ablation a Safe and Effective Treatment for Pediatric Benign Nodular Thyroid Goiter. 2021 Nov 26;9:753343. **Frontiers In Pediatrics.** (SCI ; IF=3.418) (CELL PEDIATRICS 24/129= 19%)
235. Chen WC, Luo SD, Chen WC, Chou CK, Chang YH, Cheng KL, Lin WC*. The Importance of Nodule Size in the Management of Ruptured Thyroid Nodule After Radiofrequency Ablation: A Retrospective Study and Literature Review. **Front Endocrinol (Lausanne).** 2021 Nov 26;12:776919
236. Pai MC, Wu CC, Hou YC, Jeng JS, Tang SC, Lin WC, Lu CH, Chiu MJ, Chen TF, Yan SH, Hu CJ, Yang SY. Evidence of plasma biomarkers indicating high risk of dementia in cognitively normal subjects. **Sci Rep.** 2022 Jan 24;12(1):1192. (SCI ; IF=4.38) (MULTIDISCIPLINARY SCIENCES 17/73=23%)
237. Chen YT, Yu CC, Lin YC, Chan SH, Lin YY, Chen NC, Lin WC*. Brain CT can predict low lean mass in the elderly with cognitive impairment: a community-dwelling study. **BMC Geriatr.** 2022 Jan 3;22(1):3. (SCI ; IF=3.921 ; (GERIATRICS & GERONTOLOGY 25/53=47%)
238. Chen PC, Wu KT, Chen YC, Huang YC, Chang CD, Lin WC, Chou WY. Predicting the surgical reparability of large-to-massive rotator cuff tears by B-mode ultrasonography: a cross-sectional study. **Ultrasonography.** 2022 Jan;41(1):177-188. (SCI ; IF=3.675) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 42 /134=31%)
239. Yang JC, Wu SC, Hayashi A, Lin WC, Wang YM, Luo SD, Chiang MH, Hsieh CH. Selection of Optimal Functional Lymphatic Vessel Cutoff Size in Supermicrosurgical Lymphaticovenous Anastomosis in Lower Extremity Lymphedema. **Plast Reconstr Surg.** 2022 Jan 1;149(1):237-246. (SCI ; IF=4.763) (SURGERY 28/212=13 %)
240. Lai YR, Lien CY, Huang CC, Lin WC, Chen YS, Yu CC, Cheng BC, Kung CT, Kung CF, Chiang YF, Hung YT, Chang HW, Lu CH. Clinical Disease Severity Mediates the Relationship between Stride Length and Speed and the Risk of

- Falling in Parkinson's Disease. **J Pers Med.** 2022 Jan 31;12(2):192. (SCI ; IF=4.945) (MEDICINE, GENERAL & INTERNAL, 31/169=18%)
241. Lin WC*, Wang CK, Wang WH, Kuo CY, Chiang PL, Lin AN, Baek JH, Wu MH, Cheng KL. Multicenter Study of Benign Thyroid Nodules with Radiofrequency Ablation: Results of 762 Cases over 4 Years in Taiwan. **J Pers Med.** 2022 Jan 6;12(1):63. (SCI ; IF=4.945) (MEDICINE, GENERAL & INTERNAL, 31/169=18%)
 242. Fang KC, Ho RW, Luo SD, Lin WC, Wu CN, Chen WC. Sinus Plain Film Can Predict a Risky Distance from the Lacrimal Sac to the Anterior Skull Base: An Anatomic Study of Dacryocystorhinostomy. **Diagnostics (Basel).** 2022 Apr 8;12(4):930. (SCI ; IF=3.706) (MEDICINE, GENERAL & INTERNAL, 45/169=27%)
 243. Lin SY, Chiang PL, Chen PW, Cheng LH, Chen MH, Chang PC, Lin WC*, Chen YS. Toward automated segmentation for acute ischemic stroke using non-contrast computed tomography. **Int J Comput Assist Radiol Surg.** 2022 Apr;17(4):661-671. (SCI ; IF=2.924) (RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 66 /134=49%)
 244. Mito D, Wang YM, Wu SC, Lin WC, Tsai PY, Hsieh CH, Yang JC. Use of Microscope-Integrated Near-Infrared Fluorescence for Enhancing Deep Lymphatic Vessel Detection during Supermicrosurgical Lymphaticovenous Anastomosis: A Longitudinal Cohort Study. **Plast Reconstr Surg.** 2022 May 1;149(5):1227-1233. (SCI ; IF=4.763) (SURGERY 28/212=13 %)
 245. Chen YS, Chen MH, Wang PM, Lu CH, Chen HL*, Lin WC*. Increased Levels of Plasma Alzheimer's Disease Biomarkers and Their Associations with Brain Structural Changes and Carotid Intima-Media Thickness in Cognitively Normal Obstructive Sleep Apnea Patients. **Diagnostics** 2022 Jun 22;12(7):1522. (SCI ; IF=3.706) (MEDICINE GENERAL&INTERNAL 45/169= 27 %)
 246. Yang JCS, Wang YM, Wu SC, Lin WC, Chien PC, Tsai PY, CH Hsieh, Luo SD. Lymphaticovenous Anastomosis for Treating Secondary Lower Limb Lymphedema in Older Patients-A Retrospective Cohort Study. **Journal of Clinical Medicine** 2022 May 30;11(11):3089
 247. Chen WC, Yang KL, Lin WC, Fang KC, Wu CN, Luo SD. Clinical outcomes of Eustachian tube dysfunction in chronic rhinosinusitis following endoscopic sinus surgery. **J Chin Med Assoc.** 2022 Jul 1;85(7):782-787.
 248. Yang JCS, Wu SC, Wang YM, Luo SD, Kuo SCH, Chien PC, Tsai PY, Hsieh CH, Lin WC*. Effect of Lymphaticovenous Anastomosis on Muscle Edema, Limb, and Subfascial Volume in Lower Limb Lymphedema: MRI Studies. **J Am Coll Surg.** 2022 Aug 1;235(2):227-239.
 249. Yang JCS, Hayashi A, Visconti G, Wu SC, Lin WC, Tsai PY, Chien PC, Hsieh CH. Impact of retrograde anastomosis during supermicrosurgical lymphaticovenous anastomosis for cancer-related lower limb lymphedema: A retrospective cohort propensity-score-matched outcome analysis. **Int J Surg.** 2022 Jun 17;104:106720.
 250. Chen CC, Chen HL, Chiang PL, Luo SD, Chang YH, Chen WC, Wang CK, Lin AN, Chen YS, Chi SY, Lin WC*. Efficacy and safety of radiofrequency ablation for primary and secondary hyperparathyroidism with or without previous parathyroidectomy: a retrospective study. **Int J Hyperthermia.** 2022;39(1):907-917
 251. Lim LS, Lin WC*, Chiang PL, Huang SC, Chen YS, Chang YH, Chen WC, Chi SY, Chou CK. One year follow-up of US-Guided radiofrequency ablation for low-risk papillary thyroid microcarcinoma: The first experience in Taiwan. **J Formos Med Assoc.** 2022 Aug;121(8):1406-1413.
 252. Chen WC, Chou CK, Chang YH, Chiang PL, Lim LS, Chi SY, Luo SD, Lin WC*. Efficacy of radiofrequency ablation for metastatic papillary thyroid cancer with and without initial biochemical complete status. **Front Endocrinol (Lausanne).** 2022 Aug 3;13:933931. doi: 10.3389/fendo.2022.933931

253. You WR, Lin LC, Lin WC, Tsai MC. Differences in orexin-A level in the functional brain network of HUD patients undergoing harm reduction therapy. **Medicine (Baltimore)**. 2022 Aug 19;101(33)
254. Chuang MT, Chou CC, Lin CY, Lee JH, Lin WC, Chen YY, Chang CC, Lee CT, Kong SS, Lin TH. A numerical study of reducing the concentration of O₃ and PM_{2.5} simultaneously in Taiwan. **J Environ Manage**. 2022 Sep 15;318:115614.
255. Chen MH, Lin WC, Luo SD, Chiang PL, Chen YS, Chen WC, Lin AN, Wang CK, Baek JH, Chen HL. Residual, regrowth, and new growth of radiofrequency ablation for benign thyroid nodules of different volumes: two-year follow-up results. **Int J Hyperthermia**. 2022;39(1):1172-1178.
256. PY Chiu, FC Yang, MJ Chiu, WC Lin, CH Lu, SY Yang . Relevance of plasma biomarkers to pathologies in Alzheimer's disease, Parkinson's disease and frontotemporal dementia. **Scientific Reports** 2022 Oct. 12 (1), 17919
257. Chen WC, Hwang LA, Lin WC, Wu CN, Su WC, Fang KC, Luo SD.. Curved Planar Reformation: A Useful Method for Screening Dental Pathologies in Chronic Rhinosinusitis via Paranasal Sinus Computed Tomography. **Tomography**. 2022 Sep 16;8(5):2330-2338.
258. Chiang PL, Lin SY, Chen MH, Chen YS, Wang CK, Wu MC, Huang YT, Lee MY, Chen YS, Lin WC*. Deep Learning-Based Automatic Detection of ASPECTS in Acute Ischemic Stroke: Improving Stroke Assessment on CT Scans. **J Clin Med**. 2022 Aug 31;11(17):5159.
259. Yang JC, Hayashi A, Visconti G, Wu SC, Lin WC, Tsai PY, Chien PC, Hsieh CH. Impact of retrograde anastomosis during supermicrosurgical lymphaticovenous anastomosis for cancer-related lower limb lymphedema: A retrospective cohort propensity-score-matched outcome analysis. **Int J Surg**. 2022 Aug;104:106720.
260. Chen YS, Chen MH, Wang PM, Lu CH, Chen HL, Lin WC*. Increased Levels of Plasma Alzheimer's Disease Biomarkers and Their Associations with Brain Structural Changes and Carotid Intima-Media Thickness in Cognitively Normal Obstructive Sleep Apnea Patients. **Diagnostics (Basel)**. 2022 Jun 22;12(7):1522.
261. Yang JC, Wang YM, Wu SC, Lin WC, Chien PC, Tsai PY, Hsieh CH, Luo SD. Lymphaticovenous Anastomosis for Treating Secondary Lower Limb Lymphedema in Older Patients-A Retrospective Cohort Study. **J Clin Med**. 2022 May 30;11(11):3089.
262. Mito D, Wang YM, Wu SC, Lin WC, Tsai PY, Hsieh CH, Yang JC. Use of Microscope-Integrated Near-Infrared Fluorescence for Enhancing Deep Lymphatic Vessel Detection during Supermicrosurgical Lymphaticovenous Anastomosis: A Longitudinal Cohort Study. **Plast Reconstr Surg**. 2022 May 1;149(5):1227-1233.
263. Lai YR, Lien CY, Huang CC, Lin WC, Chen YS, Yu CC, Cheng BC, Kung CT, Kung CF, Chiang YF, Hung YT, Chang HW, Lu CH. Clinical Disease Severity Mediates the Relationship between Stride Length and Speed and the Risk of Falling in Parkinson's Disease. **J Pers Med**. 2022 Jan 31;12(2):192.
264. Lee CY, Chang YH, Chiang PL, Wang CK, Lin AN, Chen CC, Chen YF, Chi SY, Chou FF, Lin WC*. Localization Strategy Prior to Radiofrequency Ablation for Primary and Secondary Hyperparathyroidism. **Biomedicines**. 2023 Feb 23;11(3):672.
265. Lin WC*, Chen WC, Wang PW, Chan YC, Chang YH, Chen HS, Chen ST, Chen WC, Cheng KL, Chi SY, Chiang PL, Chou CK, Chou FF, Huang SC, Liu FH, Luo SD, Tseng FY, Wang CY, Wang WH, Wu MH. 2022 Taiwan clinical multicenter expert consensus and recommendations for thyroid radiofrequency ablation. **Ultrasonography**. 2023 Jul;42(3):357-375..
266. Wu YJ, Chang YH, Tsai C, Chan YC, Chi SY, Chou FF, Lin WC, Yang YT. Combination of treatments with transoral

- endoscopic thyroidectomy vestibular approach (TOETVA) for Graves' disease. **Sci Rep.** 2023 Feb 16;13(1):2764.
267. Lin SY, Chiang PL, Chen MH, Lee MY, **Lin WC***, Chen YS. DGA3-Net: A parameter-efficient deep learning model for ASPECTS assessment for acute ischemic stroke using non-contrast computed tomography. **Neuroimage Clin.** 2023;38:103441. doi: 10.1016/j.nicl.2023.103441. Epub 2023 May 19.
 268. Wu YJ, Chang YH, Tsai C, Chan YC, Chi SY, Chou FF, **Lin WC**, Yang YT. Combination of treatments with transoral endoscopic thyroidectomy vestibular approach (TOETVA) for Graves' disease. **Sci Rep.** 2023 Feb 16;13(1):2764.
 269. Zou YF, Lai YR, Chiu WC, Lien CY, Huang CC, Cheng BC, **Lin WC**, Chen YS, Yu CC, Chiang YF, Kung CT, Kung CF, Lu CH. Clinical Utility of Plantar Pressure Measurements as Screening in Patients With Parkinson Disease With and Without Freezing of Gait History. **Arch Phys Med Rehabil.** 2023 Mar 21:S0003-9993(23)00155-7
 270. Kung CF, Lai YR, Chiu WC, Lien CY, Huang CC, Cheng BC, **Lin WC**, Chen YS, Yu CC, Chiang YF, Guo YR, Chen YH, Lu CH. Effectiveness of Center of Pressure Trajectory as Anticipatory Postural Adjustment Measurement in Parkinson's Disease With Freezing of Gait History. **Neurorehabil Neural Repair.** 2023 Apr;37(4):240-250.
 271. Chen YS, Luo SD, Lee CH, Lin JF, Lin TY, Ko SF, Yu CC, Chiang PL, Wang CK, Chiu IM, Huang YT, Tai YF, Chiang PT, **Lin WC***. Improving detection of impacted animal bones on lateral neck radiograph using a deep learning artificial intelligence algorithm. **Insights Imaging.** 2023 Mar 16;14(1):43.
 272. Chiang PL, Luo SD, Chang YH, Chou CK, Chi SY, Chen YF, **Lin WC***. Radiofrequency ablation for thyroid Bethesda III nodules: preliminary results. **Eur Thyroid J.** 2023 Oct 9;12(6):e230105.
 273. Kung CF, Lai YR, Chiu WC, Lien CY, Huang CC, Cheng BC, **Lin WC**, Chen YS, Yu CC, Chiang YF, Guo YR, Chen YH, Lu CH. Effectiveness of Center of Pressure Trajectory as Anticipatory Postural Adjustment Measurement in Parkinson's Disease With Freezing of Gait History. **Neurorehabil Neural Repair.** 2023 Apr;37(4):240-250.
 274. Huang TT, Lin YC, Yen CH, Lan J, Yu CC, **Lin WC**, Chen YS, Wang CK, Huang EY, Ho SY. Prediction of extranodal extension in head and neck squamous cell carcinoma by CT images using an evolutionary learning model. **Cancer Imaging.** 2023 Sep 12;23(1):84.
 275. Lu CY; Fang KC; Chiang PL; **Lin WC***. Percutaneous Ultrasound-guided Removal of Prolonged Embedded Fishbone: A Video Case Report. **Journal of Radiological Science** 48(1):e00012, October 2023.
 276. Chiu CH, Luo SD, Chiang PL, Lin AN, Wang CK, Chou CK, Chi SY, Chen MH, **Lin WC***. Factors Influencing a Favorable Outcome for RFA of Huge Benign Thyroid Nodules: Preliminary Results and Short-Term Evaluation. **Int J Endocrinol.** 2023 Dec 14;2023:9021903.
 277. Thangudu S, **Lin WC***, Lee CL, Liao MC, Yu CC, Wang YM, Su CH. Ligand free FeSn₂ alloy nanoparticles for safe T2-weighted MR imaging of in vivo lung tumors. **Biomater Sci.** 2023 Mar 14;11(6):2177-2185.
 278. Thangudu S, Tsai CY, **Lin WC***, Su CH. Modified gefitinib conjugated Fe₃O₄ NPs for improved delivery of chemo drugs following an image-guided mechanistic study of inner vs. outer tumor uptake for the treatment of non-small cell lung cancer. **Front Bioeng Biotechnol.** 2023 Oct 9;11:1272492.
 279. **Lin WC**, Chen WJ, Chen YS, Liang HY, Lu CH, Lin YP. Electroencephalogram-Driven Machine-Learning Scenario for Assessing Impulse Control Disorder Comorbidity in Parkinson's Disease Using a Low-Cost, Custom LEGO-Like Headset. **IEEE Trans Neural Syst Rehabil Eng.** 2023;31:4106-4114.
 280. Yang CH, **Lin WC**, Chen WC, Luo SD, Yang MY, Hwang CF, Chen SF. Association of Autonomic Symptom Burden with Sudden Sensorineural Hearing Loss. **Otolaryngol Head Neck Surg.** 2024 Mar;170(3):862-869.

281. Knoz M, Wang YM, Luo SD, Wu SC, [Lin WC](#), Tsai PY, Chien PC, Hsieh CH, Yang JC. Comparison of contraction-type and noncontraction-type lymphatic vessels in lymphaticovenous anastomosis for cancer-related unilateral lower limb lymphedema: a retrospective cohort propensity-score-matched outcome analysis. **Int J Surg**. 2024 Apr 1;110(4):1913-1918.
282. Wang LJ, Li SC, Chou WJ, Kuo HC, Lee SY, [Lin WC*](#). Human transcriptome array analysis and diffusion tensor imaging in attention-deficit/hyperactivity disorder. **J Psychiatr Res**. 2024 Apr;172:229-235.
283. Hu CH, Lai YR, Huang CC, Lien CY, Chen YS, Yu CC, Lee SY, [Lin WC](#), Cheng BC, Chiu WC, Chiang YF, Kung CF, Lu CH. Exploring the role of anticipatory postural adjustment duration within APA2 subphase as a potential mediator between clinical disease severity and fall risk in Parkinson's disease. **Front Aging Neurosci**. 2024 Jun 25;16:1354387.
284. Lu CY, Wang YH, Chen HL, Goh YX, Chiu IM, Hou YY, Kuo KH, [Lin WC*](#). Artificial Intelligence Application in Skull Bone Fracture with Segmentation Approach. **J Imaging Inform Med**. 2024 Jul 1.
285. Chen YS, Kuo CY, Lu CH, Wang YW, Chou KH, [Lin WC*](#). Multiscale brain age prediction reveals region-specific accelerated brain aging in Parkinson's disease. **Neurobiol Aging**. 2024 Aug;140:122-129.
286. Chen CS, Luo SD, Chang YH, Chou CK, Chi SY, Wu SC, Chen YH, Yang JC, Huang EY, Wang YM, [Lin WC*](#). Salvage radiofrequency ablation followed by external beam radiotherapy for inoperable recurrent differentiated thyroid cancer. **Int J Hyperthermia**. 2024;41(1):2358054.
287. Chen YH, [Lin WC](#), Hwang CF, Tsai MH, Yang CH. Variability in Inner Ear Morphology Among a Family With Pendred Syndrome Due to a SLC26A4 Gene Variant. **Ann Otol Rhinol Laryngol**. 2024 Sep;133(9):828-833.
288. Chiu IM, Huang TY, Ouyang D, [Lin WC](#), Pan YJ, Lu CY, Kuo KH. PACT-3D, a deep learning algorithm for pneumoperitoneum detection in abdominal CT scans. **Nat Commun**. 2024 Nov 7;15(1):9660.
289. Chao SP, [Lin WC](#), Lu CH, Wu HC, Liu HC, Hu CJ. Changes in plasma biomarkers differentiate clinical stages of Alzheimer's disease using immunomagnetic reduction assays. **J Alzheimers Dis**. 2024 Nov;102(2):459-469.
290. Chan WH, Chiang PL, Lin AN, Chang YH, [Lin WC*](#). Thermal ablation for Bethesda III and IV thyroid nodules: current diagnosis and management. **Ultrasonography**. 2024 Nov;43(6):395-406.
291. Lin HS, Sung PH, Huang SH, [Lin WC](#), Chiang JY, Ma MC, Chen YL, Chen KH, Lee FY, Ko SF, Yip HK. Long term outcomes of intracarotid arterial transfusion of circulatory-derived autologous CD34 + cells for acute ischemic stroke patients-A randomized, open-label, controlled phase II clinical trial. **Stem Cell Res Ther**. 2024 Nov 20;15(1):443.
292. Wang YH, Chiang PL, Lin AN, Wang CK, Lee CY, Chou CK, Chang YH, Chi SY, Luo SD, [Lin WC*](#). Long-term outcomes of radiofrequency ablation for intrathoracic goiter up to 5 years: evaluated by computed tomography/magnetic resonance imaging and ultrasound. [Lin WC](#). **Int J Hyperthermia**. 2024;41(1):2378865
293. Huang CY, Xie RH, Li PH, Chen CY, You BH, Sun YC, Chou CK, Chang YH, [Lin WC*](#), Chen GY. Environmental Exposure to Bisphenol A Enhances Invasiveness in Papillary Thyroid Cancer. **Int J Mol Sci**. 2025 Jan 19;26(2):814.
294. Chen YT, Huang YC, Chen HL, Lo HC, Chen PC, Yu CC, Tu YC, Liu TL, [Lin WC*](#). Automatic segmentation of white matter lesions on multi-parametric MRI: convolutional neural network versus vision transformer. **BMC Neurol**. 2025 Jan 3;25(1):5.
295. Chu YY, Hou YY, Tsai WC, Huang CC, Wang HC, Su YJ, [Lin WC](#), Lu CH, Tsai NW. Radiotherapy Increases Carotid Intima-Media Thickness in Patients with Nasopharyngeal Carcinoma Compared to a Healthy Control Group: A

- 6-Year Follow-Up Study. **Diagnostics (Basel)**. 2025 Feb 21;15(5):528.
296. Hsieh CH, Lin YF, Huang YC, Chen PC, Tsai HY, **Lin WC**. Vocal Function Changes in Patients With Benign Thyroid Nodules After Radiofrequency Ablation. **J Voice**. 2025 Mar 6:S0892-1997(25)00072-4.
 297. Zhao ZL, Wang SR, Kuo J, Çekiç B, Liang L, Ghazi HA, Xu SH, Amabile G, Wu SS, Yadav A, Dong G, Janssen I, Fan BQ, Fukunari N, He JF, Dung LT, Yu SY, Leong S, Yu JJ, Chou YH, De Cicco R, Che Y, Cheng KL, Kandil E, **Lin WC**, Xu D, Russell J, Lu M, Tufano RH, Qian LX, Randolph GW, Zhou JQ, Mauri G, Su HH, Russell M, Abdelhamid Ahmed AH, Patel K, Baek JH, Kim JH, Wei Y, Yu MA. 2024 International Expert Consensus on US-guided Thermal Ablation for T1N0M0 Papillary Thyroid Cancer. **Radiology**. 2025 Apr;315(1):e240347.
 298. Lee CY, **Lin WC***, Luo SD, Chiang PL, Lin AN, Wang CK, Chao CY. Safety and Efficacy of Radiofrequency Ablation for Superficial Parotid Pleomorphic Adenoma. **Korean J Radiol**. 2025 May;26(5):460-470.
 299. Chiang PL, Yang JC, Chou CC, **Lin WC***. Minimally invasive thermal ablation techniques for neck lipomas: RFA vs. MWA. **Eur Arch Otorhinolaryngol**. 2025 Apr 30.
 300. Chai H, Yue W, Sun L, Zhang L, Kim JH, **Lin WC**, Yu J, Yu M, Wang N, Wang H, Wang S, Che Y, Lu Q, Ren J, Liu F, Liu Y, Xu E, Xu H, Xu M, Zhu J, Ruan L, Sun X, Sun D, Li X, Li C, Yang M, Wu S, Yu F, Yu S, Yu Y, Zhang Y, Ouyang C, Zhang B, Zhang X, Zhang L, Luo J, Ji Z, Zhou J, Zhou L, Zheng Y, Fang L, Zhao Q, Zhao B, Zhao X, Hu P, Rao S, Jiang H, He Q, Qian L, Xu D, Huang J, Cui H, Jiang T, Han H, Han Z, Cheng J, Fan Y, Baek JH, Liang P, Xu H, Peng C. Asian consensus statement of experts on thermal ablation for secondary hyperparathyroidism in chronic kidney disease. **Int J Surg**. 2025 May 20.
 301. Patanè L, Kuo PJ, Ou YC, Chang C, Wu SC, **Lin WC**, Chien PC, Hsieh CH, Yang JC. Utilization of Recipient Veins with Reflux during Supermicrosurgical Lymphaticovenous Anastomosis for Lower Limb Lymphedema. **Plast Reconstr Surg**. 2025 Jun 1;155(6):1034-1040.
 302. Kuo PC, Chen WC, **Lin WC**, Chi SY, Chiu YH, Yang YC, Chou CK. Clinical Implications of Lymph Node Thyroglobulin in Papillary Thyroid Carcinoma Metastases: Independent from Thyroglobulin Antibody Interference. **Int J Mol Sci**. 2025 Jun 1;26(11):5340.
 303. Wu ST, **Lin WC***, Lee CY, Wang CK, Lin AN, Chang YH, Chi SY, Chou CK. Evaluation of Radiofrequency Ablation Safety and Efficacy in Primary Hyperparathyroidism: A Single-Center Retrospective Study in Taiwan and Literature Review. **Kaohsiung J Med Sci**. 2025 Jul;41(7):e70022.
 304. Chen YF, **Lin WC**, Yu Su T, Hsieh TY, Hung KY, Hsu MH, Lin YJ, Kuo HC, Hung PL. Association of node assortativity and internalizing symptoms with ketogenic diet effectiveness in pediatric patients with drug-resistant epilepsy. **Nutrition**. 2025 Jun;134:112730.
 305. Yang CH, Yang MY, **Lin WC**, Hwang CF, Lin YT, Wu CN, Chen IY, Tsai MH. Association of Circulating Cell-Free Mitochondrial DNA With Sudden Sensorineural Hearing Loss. **Otolaryngol Head Neck Surg**. 2025 Jul;173(1):193-200.
 306. Yang JC, Kuo PJ, Chang C, Wang YM, Ou YC, Cheng YC, Wu SC, Chien PC, Hsieh CH, **Lin WC**. Linking Lymphedema, Chronic Inflammation, Oxidative Stress, Alzheimer Disease, and Potential Role of Lymphaticovenous Anastomosis. **Plast Reconstr Surg Glob Open**. 2025 Jul 29;13(7):e6955.
 307. **Lin WC**, Chen CC, Wu YJ, Wu MH, Cheng KL, Wang WH, My LT. Ultrasound-Guided Radiofrequency Ablation for Papillary Thyroid Microcarcinoma: Efficacy and Safety in a Cross-Country Multicenter Retrospective Study. **Int J Endocrinol**. 2025 Sep 27;2025:1438786.
 308. Talias G, Ou YC, Wang YM, Chang C, Wu SC, **Lin WC**, Chien PC, Hsieh CH, Yang JC. Impact of Lymphedema

- Duration on Lymphatic Vessel Quality and Outcomes after Super-microsurgical Lymphaticovenous Anastomosis. **Plast Reconstr Surg.** 2025 Oct 1;156(4):593e-603e.
309. Yang TH, Lam NN, Tanjaya N, Hsu TC, Lin TW, Ciou WS, [Lin WC](#), Du YC. Development of a high-fidelity phantom for training ultrasound-guided radiofrequency ablation of thyroid nodules. **Med Phys.** 2025 Oct;52(10):e70035.
 310. Chang C, Kuo PJ, Wang YM, Wu SC, [Lin WC](#), Chien PC, Hsieh CH, Yang JC. Groin-only lymphaticovenous anastomosis: a paradigm shift for lower extremity lymphedema - a prospective cohort propensity-score matched analysis. **Int J Surg.** 2025 Oct 1;111(10):6833-6842.
 311. [Lin WC*](#), Wu A, Chen NC, Ha B. Observations of Triple Network Model Connectivity Changes by Functional Magnetic Resonance Imaging in a Single Early-Stage Dementia Participant Pre- and Post-craniosacral Therapy: A Case Report. **Cureus.** 2025 Nov 20;17(11):e97329.
 312. Lu CY, Lin AN, Wang CK, Chiang PL, Chou CK, Luo SD, Chen YS, Lee CY, Baek JH, Chen HL, [Lin WC*](#). Long-Term Outcomes of Radiofrequency Ablation for Benign Thyroid Nodules of Different Sizes: Implications of Regrowth and New Growth. **Kaohsiung J Med Sci.** 2026 Jan;42(1):e70089. doi: 10.1002/kjm2.70089. Epub 2025 Aug 11.
 313. Lee YJ, Lin AN, Chen YS, Lee CY, Chiang PL, Lu CY, Wang CK, [Lin WC*](#). Transarterial embolization outperforms radiofrequency ablation for thyroid goiters exceeding 100 mL: a study on efficacy and safety. **Eur Radiol.** 2026 Jan;36(1):708-718. doi: 10.1007/s00330-025-11791-y. Epub 2025 Jul 14.
 314. Wei Y, Wang SR, Kuo JH, Çekiç B, Qian LX, Ghazi HA, Che Y, Amabile G, Wu SS, Yadav A, Dong G, Janssen I, Fan BQ, Fukunari N, He JF, Dung LT, Yu SY, Leong S, Yu JJ, Chou YH, Cicco R, Xu SH, Cheng KL, Kandil E, [Lin WC](#), Xu D, Russell J, Lu M, Tufano RP, Liang L, Randolph GW, Zhou JQ, Mauri G, Su HH, Russell M, Abdelhamid AH, Patel K, Zhuo L, Zhang YJ, Niu Y, Zhao ZL, Yu MA. 2024 International expert consensus on ultrasound-guided thermal ablation for secondary and tertiary hyperparathyroidism. **Int J Hyperthermia.** 2026 Dec;43(1):2606698.
 315. Cao SL, Wang SR, Kim JH, Randolph GW, Yu SY, Mauri G, [Lin WC](#), Dong G, Cheng KL, Çekiç B, Wu SS, Janssen I, Ghazi HA, Guo JQ, Amabile G, Lehn CN, He JF, Cicco RD, Slotema E, Fan BQ, Walder F, Rodríguez JLDC, Cong ZB, Sasanakietkul T, Kiliçkesmez Ö, Tian JW, Gangwani G, Malayev NB, Tolley NS, Puthenveetil P, Dedecjus M, Yu MA. International expert consensus on thermal ablation for benign thyroid nodules (2025 Edition). **Int J Surg.** 2026 Feb 4.
 316. Lin AN, [Lin WC*](#), Chang YH, Chou CK, Chiang PL, Chen YS, Wang CK, Luo SD. Medium-Term Study Results of Ultrasound-Guided Radiofrequency Ablation for Thyroid Follicular Neoplasm With Low SUV in PET/CT. **Int J Endocrinol.** 2026 Jan 28;2026:5566118.
 317. Wang CK, Chen YS, Chou CK, Chen WC, Lin YP, Lin AN, Lee CY, Luo SD, [Lin WC*](#). Comparative Efficacy of Two-Session Radiofrequency Ablation Versus Transarterial Embolization Followed by Radiofrequency Ablation for the Treatment of Large Benign Thyroid Nodules. **Int J Endocrinol.** 2026 Jan 12;2026:5252455.
 318. Lee YJ, Lin AN, Chen YS, Lee CY, Chiang PL, Lu CY, Wang CK, [Lin WC*](#). Transarterial embolization outperforms radiofrequency ablation for thyroid goiters exceeding 100 mL: a study on efficacy and safety. **Eur Radiol.** 2026 Jan;36(1):708-718.
 319. Mauri G, Monfardini L, Glielmo P, Galluzzo A, Marcy PY, Eisele RM, Douek M, Park AW, [Lin WC](#), Ghanassia E, Russ G, Maiettini D, Dueñas JP, Spiezia S, Antonelli G, Papini E, Solbiati L, Sconfienza LM. Complications of

minimally invasive treatments of benign thyroid nodules: preventive and managing strategies: A systematic review. **Radiol Med.** 2026 May 29.

320. Chen YH, Chiang PL, Wang CK, Lin AN, Chang YH, Chou CK, **Lin WC***. Thyroid function alterations after radiofrequency ablation in benign thyroid nodule management. **Ther Adv Endocrinol Metab.** 2026 Mar 23;17:20420188261432727.
321. Chi SY, Chou SE, Chou FF, Wu YJ, **Lin WC**, Chan YC. Effect of Preoperative Transarterial Embolization on Surgical Blood Loss in Thyroidectomy for Large Graves' Disease. **World J Surg.** 2026 May;50(5):1319-1327.
322. Shih LC, Lin AN, Chang YH, **Lin WC***. Mid-Term Outcomes and Outcome Predictors after Radiofrequency Ablation for Indeterminate Thyroid Nodules Following Functional Imaging Screening: A Retrospective Cohort Study. **Korean J Radiol.** 2026 Jun;27(6):578-588.

專利

1. METHOD, NON-TRANSITORY COMPUTER-READABLE MEDIA AND APPARATUS FOR EVALUATING PERSONALIZED BRAIN IMAGING. 個人化大腦影像評估之方法、非暫時性電腦可讀媒體及設備 台灣發明第 I679652 號
2. SYSTEM AND METHOD OF THOARAT ABNORMAL OBJECT 喉部異物辨識裝置 美國發明第 11197645 號
3. SYSTEM AND METHOD OF THOARAT ABNORMAL OBJECT 喉部異物辨識裝置 台灣發明第 I798585 號
4. A METHOD FOR EVALUATING PARKINSON'S DISEASE MEDICATION RELATED IMPULSE CONTROL DISORDER VIA BRAINWAVE AND A SYSTEM THEREOF. 以腦波評估巴金森氏症用藥併發衝動控制障礙的方法及其系統 中華民國 發明第 I751772 號
5. AUTOMATED DETECTION SYSTEM FOR ACUTE ISCHEMIC STROKE. 急性缺血性中風之醫學影像自動判讀系統_ 台灣發明第 I831644 號
6. AUTOMATED DETECTION SYSTEM FOR ACUTE ISCHEMIC STROKE. 急性缺血性中風之醫學影像自動判讀系統_ 美國發明第 20240312014A1 號
7. 動作障礙鑑別診斷輔助系統_送審中
8. SYSTEM AND METHOD FOR ASSESSING MOVEMENT DISORDERS IN PARKINSON'S DISEASE USING BRAIN ACTIVITY 以腦波評估巴金森氏症動作障礙的系統與方法 中華民國 發明 第 I846436 號
9. BIPOLAR ELECTRODE PROBE 雙極電極探針 中華民國 發明 TW 1634868 B

RESEARCH GRANT

PI

1. **Chang Gung Memorial Hospital Research Project** CMRPG870481 (2008/9/1-2010/8/31) White Matter Damage and Their Association with Psychopathology in Carbon Monoxide Intoxication: A Diffusion Tensor Imaging Study.
2. **Research Grants of National Science Council** 97-2314-B-182A-104-MY3 (2008/8/1-2011/7/31) Diffusion Tensor MR Imaging in Virus Hepatic Encephalopathy before and after Liver Transplantation.
3. **Chang Gung Memorial Hospital Research Project** CMRPG891511 (2011/2/1-2013/1/31) Multiple modalities to assess the pathophysiology of Parkinson's disease with and without dementia: MRI, SPECT, oxidative stress and neuropsychiatric examinations.
4. **Research Grants of National Science Council** 101-2314-B-182A-078 (2012/8/1-2013/7/31) The role of resting-state functional MRI, and its association with depression disorder and pharmacokinetic effect of methadone in heroin addiction.
5. **Chang Gung Memorial Hospital Research Project** CMRPG8B0831 (2013/1/1-2013/12/31) Resting State Brain Functional Connectivity in Parkinson's Disease: Assessment of Status of Illness, Pharmacokinetic Effect and High Field MRI Animal Model.
6. **Research Grants of National Science Council** 103-2314-B-182A-010-MY3 (2014/8/1~2017/7/31) The role of noradrenergic network, and its association with autonomous dysfunction, cerebral autoregulation and microRNA in Parkinson disease before and after medication and rehabilitation treatment.
7. **Research Grants of National Science Council** 106-2314-B-182A-031-MY2 (2017/8/1~2019/7/31) The role of striatal dopaminergic network and reward network, and their association with new developed plasma biomarker in Parkinson's disease with impulse control disorder before and after medication and psychotherapy rehabilitation
8. **Chang Gung Memorial Hospital Research Project** CMRPG8H0951 (2018/10/1-2019/9/30) Artificial intelligence and deep learning-based radio phenotypic model of CT and MRI imaging in acute ischemic stroke for disease diagnosis, risk evaluation, prognosis prediction, and intra-arterial thrombectomy opinion.
9. **Chang Gung Memorial Hospital Research Project** CMRPG8I0371 (2019/1/1-2019/12/31) Exploiting Electrical and Hemodynamic Biomarkers in Parkinson's Disease: Early Assessment of Impulse Control Disorder during Pharmacological Intervention
10. **Research Grants of National Science Council** MOST 108-2314-B-182A-014 -MY3 (2019/8/1~2022/7/31) The role of brain glymphatic clearance system in plasma mis-folded proteins before and after medication therapy and respiratory rehabilitation
11. **Chang Gung Memorial Hospital Research Project** CORPG8J0111 (2019/10/1-2020/9/30) Artificial intelligence and deep learning-based model of plain radiograph in patients with suspected upper digestive tract foreign body impaction for disease diagnosis, automated interpretation, and further management suggestion
12. **Chang Gung Memorial Hospital Research Project** CMRPG8K0131 (2020/1/1-2020/12/31). Artificial intelligence and deep learning-based radio phenotypic model of CT and MRI imaging in acute ischemic stroke for disease diagnosis, risk evaluation, prognosis prediction, and intra-arterial thrombectomy opinion
13. **Chang Gung Memorial Hospital Research Project** CMRPG8K0221 (2020/1/1-2020/12/31) Exploiting Electrical and

Hemodynamic Biomarkers in Parkinson's Disease (Phase II): Machine Learning Framework for Early Detection of Impulse Control Disorder during Pharmacological Intervention

14. **Chang Gung Memorial Hospital Research Project** CORPG8L0071 (2021/1/1-2021/12/31) Artificial intelligence and deep learning-based radio phenotypic model of CT and MRI imaging in acute ischemic stroke for disease diagnosis, risk evaluation, prognosis prediction, and intra-arterial thrombectomy opinion
15. **Chang Gung Memorial Hospital Research Project** CORPG8L0191 (2021/1/1-2021/12/31) Exploiting Biomarkers of Postural Instability and Gait Disturbance Using Misfolded Proteins and EEG Signals in Parkinson's Disease
16. **Chang Gung Memorial Hospital Research Project** CORPG8M0031 (2022/1/1-2022/12/31) Radiomics in Stroke Neuroimaging : Prediction of Hemorrhagic Transformation after Thrombectomy
17. **Research Grants of National Science Council** MOST 111 - 2314 - B - 182A - 048 – NMRPG8M0021 (2022/8/1-2023/7/31) The role of brain glymphatic clearance system in plasma mis-folded proteins and the relationship with sleep in Alzheimer's disease
18. **Chang Gung Memorial Hospital Research Project** CORPG8N0031(2023/01/01~ 2023/12/31) Innovative thyroid cancer model for developing smart healthcare solutions
19. **National Science Technology Council** NSTC 113 - 2314 - B - 182A - 079 – NMRPG8P0221 (2024/08/01~2025/07/31) Multimodal Artificial Intelligence in Predictive Analysis of Thyroid Nodules with Indeterminate Cytology (Bethesda III,IV): A Pathway to BRAF mutation and Prognosis Assessment
20. **Chang Gung Memorial Hospital Research Project** CORPG8Q0281(20250101~2025-/12/31) Innovative thyroid cancer model for developing smart healthcare solutions(II)
21. **National Science Technology Council** NSTC 114-2314-B-182A-116 -MY3 NMRPG8Q6111(114/08/01 ~ 117/07/31) Proteomics Analysis: Investigating the Dynamic Changes Induced by Thermal Ablation and Radioactive Iodine Therapy in Locoregional Recurrent Papillary Thyroid Cancer.

Co-PI

1. **Chang Gung Memorial Hospital Research Project** CMRPG84012 (2004/12/1 –2006/11/31) Contrast medium nephrotoxic effect in end stage liver disease patients undergoing Computer Tomography examination for transplantation evaluation.
2. **Chang Gung Memorial Hospital Research Project** CMRPG860101 (2006/3/1-2008/2/28) Predict Values of MR Imaging in Adjacent Compression Fracture after Vertebroplasty. Application of New Protocol of Spinal column: Diffusion-Weighted Imaging (DWI), Perfusion Imaging (PI) and Proton MR Spectroscopy (¹H MRS).
3. **Chang Gung Memorial Hospital Research Project** CMRPG871011 (2008/10/1-2009/9/30) Detection of deep muscular invasion in patients with head and neck squamous cell carcinoma: Comparison of PET/CT, PET/MRI fusion and MRI in cases with uncertain findings in CT.
4. **Chang Gung Memorial Hospital Research Project** CMRPG871081 (2008/12/1-2009/11/30) Advance MRI to quantitative assess vertebral bone marrow density.
5. **Chang Gung Memorial Hospital Research Project** CMRPG871061 (2008/12/1-2009/11/30) Study on the diffusion-weighted MRI for the differential diagnosis of benign and malignant vertebral fractures.
6. **Chang Gung Memorial Hospital Research Project** CMRPG870991 (2008/08/1-2011/7/31) Microstructure Brain Damage and Their Association with Psychopathology after meningitis.
7. **Chang Gung Memorial Hospital Research Project** CMRPG880561 (2009/03/01-2010/02/28) Microstructure Brain

Damage and Their Association with Psychopathology in Heroin addicts: An MRI Study.

8. **Research Grants of National Science Council** 98-2314-B-182A-050-MY2 (2009/8/1-2011/7/31) Assessment of liver transplant rejection with blood oxygen level-dependent and diffusion MRI Imaging and proteomic approach.
9. **Chang Gung Memorial Hospital Research Project** CMRPG880921 (2010/08/1-2011/7/31) The role of oxidative stress and inflammation in cognitive function following traumatic brain injury.
10. **Chang Gung Memorial Hospital Research Project** CMRPG890801-2 (2010/08/1-2012/7/31) Parkinsonism after chronic carbon monoxide intoxication: A combined Susceptibility Weighted Imaging and Voxel-based Morphometry Study.
11. **Research Grants of National Science Council** 99-2314-B-182A-021-MY3 (2010/8/1-2013/7/31) Acute Stroke Patients with Dysphagia after Different Swallowing Therapies: Video fluoroscopy Findings and Brain Plasticity in Magnetic Resonance Imaging.
12. **Research Grants of National Science Council** 99-2314-B-182A-065-MY2 (2010/8/1-2012/7/31) The role of oxidative stress and inflammation, and its association with carotid intima-media thickness, baroreflex sensitivity and cerebral autoregulation in nasopharyngeal carcinoma patients after radiotherapy.
13. **Chang Gung Memorial Hospital Research Project** CMRPG891021 (2010/11/1-2011/10/31) Predictive factors of surgical outcome among patients with carpal tunnel syndrome.
14. **Research Grants of National Science Council** 100-2314-B-182A-017 (2011/8/1-2012/7/31) The effects of oxidative stress on endothelial progenitor cells and serial circulating microparticles in delayed cerebral ischemia and outcome after aneurysmal subarachnoid hemorrhage.
15. **Research Grants of National Science Council** 100-2314-B-182A-044 -MY3 (2011/8/1-2014/7/31) The role of mTOR signaling pathway in the tumorigenesis of esophageal squamous cell carcinoma.
16. **Research Grants of National Science Council** 101-2218-E-182-005-(2012/6/1-2013/5/30) A GPU-based parallel computing platform for high-speed brain anatomical connectivity analysis.
17. **Chang Gung Memorial Hospital Research Project** CMRPG8B0271~2(2012/06/01-2014/11/30) The value of biomarkers of oxidative stress and inflammation in plasma and magnetic resonance imaging on neurologic outcome of adult cardiac arrest patients.
18. **Research Grants of National Science Council** 101-2314-B-182A-084-MY3 (2012/8/1-2015/7/31) The role of oxidative stress and inflammation, and its association with carotid intima-media thickness, baroreflex sensitivity and cerebral autoregulation in obstructive sleep apnea.
19. **Research Grants of National Science Council** 101-2314-B-182A-081-MY2 (2012/8/1-2014/7/31) Brain structural and functional alternation in obstructive sleep apnea syndrome.
20. **Research Grants of National Science Council** 102-2314-B-182-032 (2013/8/1-2014/7/31) The role of autonomic dysfunction, and its association with inflammation, cerebral blood perfusion and autoregulation in critical patients with acute ischemic stroke.
21. **Research Grants of National Science Council** 102-2314-B-182A-054-MY3 (2013/8/1-2016/7/31) Intra-Carotid Arterial Transfusion of Autologous Endothelial Progenitor Cells (CD34+) Improves Brain Ischemia and Reperfusion in Patients with Intracranial Arterial Obstruction and Evaluation of Underlying Mechanisms Using Experimental Ischemic Models.
22. **Chang Gung Memorial Hospital Research Project** CMRPG8C0671 (2013/10/01-2014/09/30) The role of cerebral blood perfusion and its association with oxidative stress, inflammation, autonomic function and outcome in

patients with ICA occlusion.

23. **Chang Gung Memorial Hospital Research Project** CMRPG8C0021 (2013/01/01-2014/12/31) A Quantitative Analysis of Cerebral Blood Flow After Carbon Monoxide Intoxication: A combined Arterial Spin Labeling and Voxel-based Analysis Study.
24. **Chang Gung Memorial Hospital Research Project** CMRPG8B1281~2(2013/01/01-2014/12/31) The relationship among inflammation, oxidative stress and immunity dys-regulation on outcome of lupus.
25. **Chang Gung Memorial Hospital Research Project** CMRPG8C1121(2014/1/1-2014/12/31) Hemodynamic change in the facial artery in oral cancer patients during induction chemotherapy – utility of color Doppler indices and magnetic resonance imaging.
26. **Research Grants of National Science Council** 103-2314-B-182A-005- (2014/8/1-2015/7/31) The alteration of cerebral perfusion and circadian rhythms before and after SURGERY in obstructive sleep apnea syndrome.
27. **Research Grants of National Science Council** 103-2314-B-182A-113 (2014/8/1-2015/7/31) Role of specific microRNAs for endothelial dysfunction and cerebral blood perfusion in patients with acute ischemic stroke.
28. **Ministry of Science and Technology** 103-2314-B182A-069-MY3 (2014/8/1-2017/7/31) The prognostic implications and regulatory mechanisms of renin-angiotensin system/mTOR signaling pathway in esophageal squamous cell carcinoma.
29. **Ministry of Science and Technology**103-2221-E-182-002- (2014/8/1-2015/9/30) MRI Cloud: An MRI Data Platform with Cloud Storage and Cloud Computing Service.
30. **Chang Gung Memorial Hospital Research Project** CMRPG8D0531(2014/08/01-2015/07/31) Diagnostic and prognostic values of pleural fluid and blood inflammatory makers in respiratory distress patients in emergency department.
31. **Chang Gung Memorial Hospital Research Project** CMRPG8D1111(2014/11/01-2015/10/31) The role of endothelial dysfunction, oxidative stress and inflammation, and its association with cardiovagal function and cerebral autoregulation in outcome of patients following spontaneous intracerebral hemorrhage.
32. **Ministry of Science and Technology**104-2314-B-182A-053- (2015/8/1-2016/7/31) Fragility in Parkinson's disease: Association between Brain degeneration and core muscle composition before and after rehabilitation.
33. **Ministry of Science and Technology** 102-2314-B-182A-054-MY3 (2013/08/01-2016/10/31) Autologous Intra-Carotid Arterial Transfusion of Peripheral Blood Stem Cells (PBSC) – safety and tolerability study
34. **Ministry of Science and Technology** 104-2314-B-182A-085-(2015/8/1-2016/7/31) Serial quantitative Tc-99m DTPA SPECT/CT for assessment of the blood-brain-barrier permeability in stroke patients.
35. **Ministry of Science and Technology** 104-2314-B182A-028-MY2(2015/8/1-2017/7/31) The role of central autonomic network and neurohormonal regulation, and its association with autonomous dysfunction, cerebral autoregulation and blood pressure in obstructive sleep apnea before and after treatment.
36. **Chang Gung Memorial Hospital Research Project** CMRPG8D1121(2015/08/01-2016/07/31) The value of biomarkers of oxidative stress and inflammation in plasma, and brain magnetic resonance imaging in the predictive of septic encephalopathy in adult's severe septic patients.
37. **Chang Gung Memorial Hospital Research Project** CMRPG8E0621-2(2015/09/01-2017/08/31) The relationship between Chemical Exchange Saturation Transfer MR imaging(CEST) and ^{99m}Tc-TRODAT-1 SPECT/CT in Parkinson's disease (PD) and Parkinson's disease dementia (PDD) – a two-year pilot study

38. **Chang Gung Memorial Hospital Research Project** CMRPG8E0251(2015/08/01-2016/12/31) Mind wandering and social cognition in schizophrenia: a resting State fMRI study
39. **Ministry of Science and Technology** 102-2314-B-182A-054-MY3 (2015/08/01~2016/07/31) Autologous Intra-Carotid Arterial Transfusion of Peripheral Blood Stem Cells (PBSC) Improves Brain Ischemia and Reperfusion – safety and tolerability study
40. **Chang Gung Memorial Hospital Research Project** CMRPG8E1451(2016/02/01-2017/01/31) Neurosteroids and Structural Development of the Brain: A Brain Imaging Study for Patients with Attention-Deficit/Hyperactivity Disorder
41. **Ministry of Science and Technology** 104-2314-B-182A-028-MY2(2015/08/01-2017/07/31) The role of central autonomic network and neurohormonal regulation, and its association with autonomous dysfunction, cerebral autoregulation and blood pressure in obstructive sleep apnea before and after treatment
42. **Chang Gung Memorial Hospital Research Project** CMRPG8D0931 (2015/08/01-2016/07/31) The Functional Outcome and Brain functional MRI of Hand Injury Patients after Different Rehabilitation Programs
43. **Ministry of Science and Technology** 105-2314-B-182A-057- (2016/08/01-2017/07/31) Effects of hyperlipidemia and statin in inflammatory factors, white matter changes, and depressive and cognitive behaviors
44. **Ministry of Science and Technology** 105-2314-B-182A-011-MY3 (2016/08/01-2019/07/31) Effects and mechanism of two hybrid exercise-cognitive trainings in mild ischemic stroke with cognitive decline: fMRI for brain plasticity, and biomarker and behavioral analysis
45. **Chang Gung Memorial Hospital Research Project** CMRPG8F1081 (2017/01/01-2017/12/31) The role of immune dysregulation, and its association with autonomic dysfunction and cerebral autoregulation in myasthenia gravis before and after respiratory training
46. **Ministry of Science and Technology** 106-2314-B-182A-085-MY2 (2017/08/01-2019/07/31) Effects of Hyperlipidemia and statin in inflammatory factors, white matter changes, and depressive and cognitive behaviors second and third year study
47. **Ministry of Science and Technology** 106-2314-B-182A-072- (2017/08/01-2018/07/31) The role of respiratory neuron network and central autonomic network and its association with autonomic and pulmonary function, daily activities, and inflammation and oxidative stress reaction in Parkinson's diseases before and after respiratory muscle tra.
48. **Chang Gung Memorial Hospital Research Project** CMRPG8G0181(2017/08/01-2018/07/31) To investigate the correlation among nasality, olfactory function and image study in patients with rhinosinusitis and nasopharyngeal carcinoma before and after treatment.
49. **Chang Gung Memorial Hospital Research Project** CMRPG8G0951 (2017/11/01-2020/02/29) Ketogenic diet effects on patients with refractory epilepsy—from clinical analysis to metabolomics study.
50. **Chang Gung Memorial Hospital Research Project** CMRPG8F1731 (2017/02/01-2018/01/31) Evaluation of sarcopenia in rheumatoid arthritis by sonoelastography and dual-energy x-ray absorptiometry
51. **Chang Gung Memorial Hospital Research Project** CMRPG8F1041-2 (2016/11/01-2018/10/31) Analysis the factors related to rapid cognitive function decline in diet style, body composition and serologic nutrition markers

in Alzheimer's disease.

52. **Chang Gung Memorial Hospital Research Project** CMRPG8F0571-2 (2017/07/01-2018/06/30) Effects of double filtration plasmapheresis on immune dysregulation, oxidative stress, and its association with autonomic dysfunction in patients with myasthenia gravis
53. **Ministry of Science and Technology** 107-2314-B-182A-123 – (2018/08/01-2019/10/31) Changes in BDNF, orexin, craving behavior and emotional regulation in heroin dependent patients undergoing methadone maintenance treatment after transcranial direct current stimulation ?
54. **Ministry of Science and Technology** 107-2410-H-194-065- (2018/08/01-2019/07/31) How does brain stimulation affect aggression and emotional regulation in people with drug abuse?
55. **Ministry of Science and Technology** 107-2314-B-182A-056 -MY3 (2018/08/01-2021/07/31) An investigation of the therapeutic impact of intra-carotid arterial transfusion of autologous peripheral blood-derived stem cell/progenitor cell (CD34+) therapy on brain ischemic stroke—a phase II clinical trial
56. **Ministry of Science and Technology** 107-2314-B-182A-136- (2018/08/01-2019/07/31) Using 3D graphing and printing technology to develop a series of endoscopic sinus surgery simulator modules for surgical training programs.
57. **Ministry of Science and Technology** 107-2314-B-182A-120- (2018/08/01-2019/07/31) Localization of epileptogenic networks in focal epilepsy patients using electrical source imaging model.
58. **Ministry of Science and Technology** 107-2314-B-182A-046-MY2 (2017/08/01-2019/07/31) The role of respiratory neuron network and central autonomic network and its association with autonomic and pulmonary function in Parkinson's diseases and exploring the appropriate timing of respiratory muscle training.
59. **Ministry of Science and Technology** 106-2314-B-182A-085-MY2 (2017/08/01-2019/07/31) Effects of hyperlipidemia and statin in inflammatory factors white matter changes, and depressive and cognitive behaviors second and third year study.
60. **Chang Gung Memorial Hospital Research Project** CMRPG8G1071(2018/3/1~2019/11/30) Major Depressive Disorder and Brain Ageing.
61. **Chang Gung Memorial Hospital Research Project** CMRPG8H0541(2018/7/1~2019/6/30) Functional and Microstructure Brain Damage and Their Association with Neuropathology in Amphetamine Addicts before and after Transcranial Direct Current Stimulation - A MRI Study.
62. **Ministry of Science and Technology** 108-2314-B-182A-017- (2019/08/01-2020/07/31) The impact of the circadian cycle on cognition-associated networks in Parkinson's disease before and after treatment: a brain functional network flexibility study.
63. **Chang Gung Memorial Hospital Research Project** CMRPG8H0891(2018/9/1~2019/12/31) A case control study on sarcopenia by the variations of salivary gland.
64. **Chang Gung Memorial Hospital Research Project** CMRPG8H0901(2018/9/1~2019/12/31) A prospective cohort study on causal effects between sites of muscle wasting and bone density for patients in end stage renal disease.
65. **Chang Gung Memorial Hospital Research Project** CMRPG8J0211(2019/8/1~2020/07/31) A case control study of bone density and muscle mass on gout.
66. **Chang Gung Memorial Hospital Research Project** CMRPG8H1141(2019/10/01~2020/09/30) The impact of

radiotherapy on cognitive function, and its association with vasculopathy, inflammatory and oxidative stress reaction in patient with head an neck cancer.

67. **Chang Gung Memorial Hospital Research Project** CMRPG8H0501(20180901~20200131) The role of vascular risk markers, inflammatory biomarkers, and brain network modulation on diabetic peripheral neuropathy, and explore the association between neuropathy and subsequent cardiovascular events.
68. **Chang Gung Memorial Hospital Research Project** CMRPG8J1331(2020/10/01~2021/09/30) The impact of hyperbaric oxygen therapy on endothelial dysfunction, autonomic dysregulation and brain perfusion in patient with acute ischemic stroke.
69. **Chang Gung Memorial Hospital Research Project** CORPG8K0221(2020/02/01~2021/01/31) Automated classification of Parkinsonism-like movement disorders using artificial intelligence and deep learning-based models on MRI
70. **Chang Gung Memorial Hospital Research Project** CMRPG8L0231(2021/01/01~2021/12/31) Investigation on the effect of brain network dysfunction and misfolding protein in Parkinson's disease patients with gait disturbance and sarcopenia
71. **Chang Gung Memorial Hospital Research Project** CMRPG8L0221(2021/02/01~2022/01/31) The influence of vascular inflammatory factors to longitudinal change of brain microstructure, misfolded protein accumulation and disease severity in Parkinson's disease
72. **Chang Gung Memorial Hospital Research Project** CMRPG8M0671(2022/03/01~2023/02/28)The safety and efficacy of transarterial embolization for hyperthyroidism with evaluation by biomarkers and elastography.
73. **Chang Gung Memorial Hospital Research Project** CMRPG8M1481(2022/12/01~ 2023/11/30) The safety and efficacy of radiofrequency ablation for lipoma and other benign soft tissue tumors.
74. **Chang Gung Memorial Hospital Research Project** CMRPG8N1091 (2023/10/01~2024/09/30) Endocrine disruption chemicals(EDCs) effects on the development and the grading of thyroid cancer.
75. **National Science Technology** Council NSTC 113-2314-B-182A-024 - (2024/08/01~2025/07/31) Identifying the role of sarcopenia in functional reserve of Parkinson's disease using multi-modality magnetic resonance imaging sequences: modeling of motor and cognitive reserve and evaluate the changes before and after gait training
76. **National Science Technology** Council NSTC 113-2314-B-182A-084-MY3 (2024/08/01~2027/07/31) Brain inflammation mapping in Parkinson disease, mediations of clinical inflammation and gut-brain axis factor with Magnetic Resonance Imaging (MRI) and interval change by probiotics supplement.
77. **National Science Technology** Council NSTC 115-2314-B-182-026 - (115/08/01 ~ 116/07/31) From Wrist to Brain: Real-Time Digital Biomarkers Reveal the Dynamic Effects and Circulatory Benefits of Sleep and Exercise on the Glymphatic System and Oxidative Stress in aging
78. **National Science Technology** Council NSTC 115-2314-B-182A-045 - (115/08/01 ~ 116/07/31) Decoding the Endometriosis Brain: Longitudinal Imaging, Biomarkers, and Glymphatic Modulation Across Traditional and Emerging Therapies.