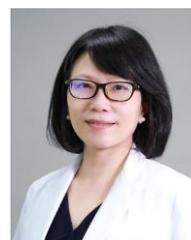


# 李怡慧



## 現職

台北榮民總醫院神經內科腦血管科醫師  
國立陽明交通大學腦科學研究所教授  
台灣腦中風學會監事  
台灣神經學會理事

## 學歷

瑞典卡洛林斯卡學院神經科學研究所博士  
國立陽明大學醫學院醫學士

## 研究興趣

1. 腦中風的預防和遺傳性風險因子
2. 急性中風治療
3. 亞急性中風經顱刺激神經調控術
4. 頸動脈狹窄之輕度認知障礙
5. 腦中風的神經發炎及神經新生機制

## 得獎榮譽

2024	台北榮總醫師創新改良獎佳作
2023	台灣腦中風學會許重義教授榮譽獎
2023	台灣職能治療學會最佳論文獎
2011 - 2023	陽明交通大學醫學院優良教師獎
2022	中華醫學雜誌最佳論文獎
2021	亞洲大洋洲神經醫學聯合國際學術會議論文銀獎
2020	退輔會年度優良醫師獎
2019	腦中風學會優秀論文獎
2017	腦中風學會日新論文獎
2011 - 2014	台灣神經學會優良壁報獎
2014	腦血管疾病防治基金會高明見教授優秀論文獎
2013	立夫基金會學術獎佳作
2012	台北醫學大學附設阮綜合醫院論文獎第三名
2012	榮台聯大學術論文獎第三名
2012	台北榮總學術論文獎第三名

## 影音媒體採訪連結

[2023 腦中風預防與治療](#) (千禧預防醫學健康講座 2023 年 11 月 24 日)  
[拯救腦中風黃金 24 小時: AI 如何成為精準醫療的助手](#) (科技魅影 2023 年 9 月)  
[高死亡率的腦幹中風和血管危險因子](#) (TVBS 新聞 2019 年 5 月 12 日)  
[中風年輕化](#) (TVBS 新聞 2017 年 10 月 16 日)  
[頸動脈狹窄也可能失智](#) (公視新聞 2014 年 9 月 1 日)

## 學術論文代表

1. Tang CW, Zich C, Quinn AJ, Woolrich MW, Hsu SP, Juan CH, Lee IH\*, Stagg CJ.\* Post-stroke upper limb recovery is correlated with dynamic resting-state network connectivity, *Brain Communications*, 2024;6(1):fcae011.
2. Chen CH, Lee CW, Hsieh YC, et al, on behalf of the Taiwan Registry of Endovascular Thrombectomy for Acute Ischemic Stroke (TREAT-AIS) investigators. Comparing Low-dose or Standard-dose Alteplase in Endovascular Thrombectomy: Insights from a Nationwide Registry, *Stroke*, 2024;55(3):532-540.
3. Hsieh MT, Hsieh CY, Yang TH, et al, on behalf of the Taiwan Registry of Endovascular Thrombectomy for Acute Ischemic Stroke (TREAT-AIS) investigators. Associations of diabetes status and glucose measures with outcomes after endovascular therapy in patients with acute ischemic stroke: an analysis of the nationwide TREAT-AIS registry. *Front Neurol*. 2024;15:1351150.
4. Chen JR, Lin CJ, Chang FC, Lee IH, Lu CF\*. Territory-Related Functional Connectivity Changes Associated with Verbal Memory Decline in Patients with Unilateral Asymptomatic Internal Carotid Stenosis. *Am J Neuroradiol*. 2024 Jun 13. doi: 10.3174/ajnr.A8248.
5. Tang SC, Hsieh YC, Lin CJ, Chen YW, Lin KH, Sung PS, and On behalf of the Nationwide Taiwan Registry of Endovascular Thrombectomy for Acute Ischemic Stroke (TREAT-AIS) investigators. Taiwan Registry of Endovascular Thrombectomy for Acute Ischemic Stroke: A Multicenter National Registry. *Stroke: Vascular and Interventional Neurology* 2023;3:e00086.
6. Chen JJ, Cheng YC, Lin LH, Chiang CC, Lin KH, Liu TC, Chou YJ, Lee IH\*, Huang N\*. Perception of transitional care quality associated with functional outcomes among patients with fractures and stroke in Taiwan. *Geriatric Nursing* 2023;53:247-254.
7. Hsu SP, Lu CF, Lin BF, Tang CW, Kuo IJ, Tsai YN, Kuo CY, Lee PL, Shyu KK, Niddam DM, Lee IH\*. Effects of bihemispheric transcranial direct current stimulation on motor recovery in subacute stroke patients: a double-blind, randomized sham-controlled trial, *Journal of NeuroEngineering and Rehabilitation*, 2023;20(1):27.
8. Chang LH, Chi NF, Chen CY, Lin YS, Hsu SL, Tsai JY, Huang HC, Lin CJ, Chung CP, Tung CY, Jeng CJ, Lee YC, Liu YT\*, Lee IH\*. Monogenic causes in familial stroke across intracerebral hemorrhage and ischemic stroke subtypes identified by whole exome sequencing, *Cellular and Molecular Neurobiology*, 2023;43(6):2769-2783.
9. Lin CJ, Chung CP, Liao NC, Chen PL, Chi NF, Lai YJ, Tang CW, Wu CH, Chang FC, Luo CB, Fay LY, Lin CF, Chou CH, Lee TH, Lee JT, Jeng JS, Lee IH\*, Taiwan Stroke Society Intracranial Atherosclerotic Disease Guidelines Consensus Group. The 2023 Taiwan Stroke Society Guidelines for the Management of Patients with Intracranial Atherosclerotic Disease, *Journal of the Chinese Medical Association*, 2023;86(8):697-714.
10. Lin CJ, Chung CP\*, Cheng HM, Liu CH, Hsu LC, Chi NF, Tang SC, Lee JT, Po HL, Jeng JS, Wang TD, Lee IH. The 2020 Taiwan Stroke Society guidelines for blood pressure control at the acute stage of ischemic stroke, *Journal of the Formosan Medical Association*, 2023;122(2):98-105.
11. Lin CJ, Chang FC, Lin CJ, Liaw YC, Tu PC, Wang PN, Saver JL, Lee IH\*. Long-term Cognitive and Multimodal Imaging Outcomes after Carotid Artery Stenting vs Intensive Medication Alone for Severe Asymptomatic Carotid

- Stenosis. *Journal of the Formosan Medical Association*, 2022;121 (1 Pt 1):134-143.
12. Chi NF, Chung CP\*, Cheng HM, Liu CH, Lin CJ, Hsu LC, Tang SC, Lee JT, Po HL, Jeng JS, Wang TD, Lee IH. 2021 Taiwan Stroke Society Guidelines of blood pressure control for ischemic stroke prevention, *Journal of the Chinese Medical Association*, 2022;85(6):651-664.
  13. Chou CC, Shih YC, Chiu HH, Yu HY, Lee IH, Lin YY, Lee CC, Peng SJ\*. Strategic infarct location for post-stroke seizure, *NeuroImage: Clinical*, 2022;35:103069.
  14. Lee TM, Lee PL\*, Lee IH, Lee WK, Wu TY, Hsu HT, Yeh CL, Lin PJ, Shyu KK. Study of heart-rate variability in a video task using Holo-Hilbert spectral analysis, *Biomedical Signal Processing and Control*, 2022;71:103229.
  15. Chen CY, Lin PT, Wang YH, Syu RW, Hsu SL, Chang LH, Tsai JY, Huang HC, Liu TC, Lin CJ, Tang CW, Hsu LC, Chung CP, Liu HY, Chi NF, Lee IH\*. Etiology and risk factors of intracranial hemorrhage and ischemic stroke in young adults, *Journal of the Chinese Medical Association*, 2021;84(10): 930-936.
  16. Chien C, Lin CJ, Chang FC, Chung CP, Lin CJ, MD, Liu HY, Chi NF, Hsu LC, Tang CW, Wang SJ, Guo WY, Luo CB, Lai YJ\*, Lee IH\*. Quantitative CT Angiography Predicts Large Artery Occlusion Types and Successful Thrombectomy in Acute Ischemic Stroke, *Journal of the Chinese Medical Association*, 2021;84(1):61-67.
  17. Wu HM, Lee IH, Luo CB, Chung CP, Lin YY. Clinical-CT mismatch defined NIHSS  $\geq 8$  and CT-ASPECTS  $\geq 9$  as a reliable marker of candidacy for intravenous thrombolytic therapy in acute ischemic stroke, *PLoS One*, 2021;16(4): e0251077.
  18. Yen HH, Chien C, Lee IH, Chen SP, Luo CB, Lin CJ, Chen ST, Yuan WH, Kuo Y, Wu CH, Chang FC. Application of Flat-Panel Volume Computed Tomography to Evaluate Cerebral Hemorrhage After Mechanical Thrombectomy of Acute Embolic Stroke of the Anterior Circulation, *Journal of Computer Assisted Tomography*, 2021;45(6):919-925.
  19. Tsai LK, Lee IH, Chen YL, Chao TF, Chen YW, Po HL, Lien LM, Chu PH, Huang WC, Lin TH, Lin MT, Jeng JH\*, Hwang JJ\*. Diagnosis and Treatment for embolic stroke of undetermined source: Consensus statement from the Taiwan stroke society and Taiwan society of cardiology, *Journal of the Formosan Medical Association*, 2021;120(1 Pt 1):93-106.
  20. Kuo IJ, Tang CW, Tsai YA, Tang SC, Lin CJ, Hsu SP, Liang WK, Juan CH, Zich C, Stagg CJ, Lee IH\*. Neurophysiological signatures of hand motor response to dual-transcranial direct current stimulation in subacute stroke: a TMS and MEG study, *Journal of NeuroEngineering and Rehabilitation*, 2020;17(1):72.
  21. Tang CW, Hsiao FJ, Lee PL, Tsai YA, Hsu YF, Chen WT, Lin YY, Stagg CJ, Lee IH\*.  $\beta$ -Oscillations Reflect Recovery of the Paretic Upper Limb in Subacute Stroke, *Neurorehabilitation and Neural Repair*, 2020;34(5):450-462.
  22. Chen WC, Chang LH, Huang SS, Huang YJ, Chih CL, Kuo KC, Lee YH\*, Lee IH\*. Aryl hydrocarbon receptor modulates stroke-induced astrogliosis and neurogenesis in the adult mouse brain, *Journal of Neuroinflammation*, 2019;16(1):187.
  23. Chang LH, Lin HC, Huang SS, Chen IC, Chu KW, Chih CL, Liang YW, Lee YC, Chen YY, Lee YH, Lee IH\*. Blockade of soluble epoxide hydrolase attenuates post-ischemic neuronal hyperexcitation and confers resilience against stroke with TrkB activation, *Scientific Reports* 2018;8(1):118.

24. Lee IH, Huang SS, Chuang CY, Liao KH, Chang LH, Chuang CC, Su YS, Lin HJ, JY Hsieh, Su SH, Lee OK, Kuo HC\*. Delayed epidural transplantation of human induced pluripotent stem cell-derived neural progenitors enhances functional recovery after stroke, *Scientific Reports* 2017;7(1):1943.
25. Lin CJ, Chang FC, Chou KH, Tu PC, Lee YH, Lin, CP, Wang, PN, Lee IH\*, Intervention versus Aggressive Medical Therapy for Cognition in Severe Asymptomatic Carotid Stenosis. *American Journal of Neuroradiology*, 2016;37(10):1889-1897.
26. Hsu HT, Lee IH, Tsai HT, Chang HC, Shyu KK, Hsu CC, Chang HH, Yeh TK, Chang CT, Hsu PC, Lee PL\*, Evaluate the feasibility of using frontal SSVEP to implement an SSVEP-based BCI in Young, Elderly and ALS groups. *Transactions on Neural Systems & Rehabilitation Engineering* 2016; 24(5): 603-15.
27. Liu PY, Lee IH, Tan PH, Wang YP, Tsai CF, Lin HC, Lee FY, Lu CL\*, P2X7 receptor mediates spinal microglia activation of visceral hyperalgesia in a rat model of chronic pancreatitis, *Cellular and Molecular Gastroenterology and Hepatology* 2015;1:710-720.e715.
28. Lin CJ, Tu PC, Chern CM, Hsiao FJ, Chang FC, Cheng HL, Tang CW, Lee YC, Chen WT, Lee IH\*. Connectivity features for identifying cognitive impairment in presymptomatic carotid stenosis. *PLoS ONE* 2014; 9 (1): e85441.
29. Hsu YF, Huang YZ, Lin YY, Liao KK, Lee PL, Tsai YA, Yeh CL, Cheng HL, Cheng H, Chern CM, Lee IH\*. Intermittent theta burst stimulation over ipsilesional primary motor cortex of subacute ischemic stroke patients: a pilot study. *Brain Stimulation* 2013;6(2):166-174.
30. Cheng HL, Lin CJ, Soong BW, Wang PN, Chang FC, Wu YT, Chou KH, Lin CP, Tu PC\*, Lee IH\*. Impairments in cognitive function and brain connectivity in severe asymptomatic carotid stenosis. *Stroke*, 2012;43(10):2567-73.
31. Hsu WY, Cheng CH, Liao KK, Lee IH, Lin YY. Effects of repetitive transcranial magnetic stimulation on motor functions in stroke patients: a meta-analysis. *Stroke*, 2012;43(7):1849-57.
32. Hsu YF, Liao KK, Lee PL, Tsai YA, Yeh CL, Lai KL, Huang YZ, Lin YY, Lee IH\*. Intermittent theta burst stimulation over primary motor cortex enhances movement-related beta synchronization. *Clinical Neurophysiology*, 2011; 122(11): 2260-7.
33. Tang CW, Chang FC, Chern CM, Lee YC, Hu HH, Lee IH\*. Stenting versus medical treatments for severe symptomatic intracranial stenosis. *American Journal of Neuroradiology*, 2011; 32(5): 911-6.
34. Johansson S\*, Lee IH, Olson L, Spenger C. Olfactory ensheathing glial co-grafts improve functional recovery in 6-OHDA lesioned rats. *Brain*, 2005; 128 (12), 2961-2976.
35. Lee IH\*, Lindqvist E, Kiehn O, Widenfalk J, Olson L. Glial and neuronal connexin expression patterns in the rat spinal cord during development and following injury. *Journal of Comparative Neurology* 2005 Aug; 489 (1): 1-10.
36. Lee IH\*, Bulte JWM, Schweinhardt P, Douglas T, Trifunovski A, Hofstetter C, Olson L, Spenger C. In vivo magnetic resonance tracking of olfactory ensheathing glia grafted into the rat spinal cord. *Experimental Neurology* 2004 Jun; 187(2): 509-516.
37. Lee IH, Lu YC, Chang YC, Soong BW\*. Dentatorubral-Pallidolusian atrophy among the Chinese. *Archives of Neurology* 2001 Nov; 58(11):1905-1908