

BIOGRAPHICAL SKETCH

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NAME: Yung-Hsiao Chiang

eRA COMMONS USER NAME (credential, e.g., agency login): ychiang

POSITION TITLE: Vice-superintendent, Taipei Medical University Hospital

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Tulane University, USA	Master	2004	Medical Management
Indiana University, Indiana, USA	Ph.D.	2000	Medical Neurobiology
National Defense Medical Center, Taipei, Taiwan	M.D.	1983	Medicine

A. Positions, Scientific Appointments, and Honors

1. Positions and Employment

2007-2019: Chairman, Department of Neurosurgery, Taipei Medical University Hospital
2012-Present: Professor, Surgery, Taipei Medical University School of Medicine
2018-Present: Vice-president, Taipei Neuroscience Institute, Taipei Medical University
2018-Present: Director, Core Laboratory of Neuroscience, Taipei Medical University
2019-Present: Director, Neuroscience Research Center, Taipei Medical University
2021-Present: Vice-superintendent, Taipei Medical University Hospital

2. Academic Honors

2012 Outstanding teaching evaluation merit award, Taipei Medical University, Taipei, Taiwan
2012 Developmental Research Grant Award, Taipei Medical University, Taipei, Taiwan

B. Contributions to Science (first or corresponding author publications from 2001-2022):

- Hueng DY, Liu MY, Ma HI, ***Chiang YH**. Percutaneous vertebroplasty in the treatment of osteoporotic vertebral compression fractures. *Chinese J Occup Med.* 2003;10(4):229-233.
- Hung KC, ***Chiang YH**. Spinal arteriovenous fistulae with a concomitant cauda equine schwannoma. *Spine J.* 2008 Mar;8(2):391-393.
- Wu JC, Tang CT, Wu DL, Tsai TH, ***Chiang YH**. Treatment of adjacent vertebral fractures following multiple-level spinal fusion. *Acta Neurochir Suppl.* 2008;101:153-155.
- Chen KY, Ma HI, ***Chiang YH**. Percutaneous transpedicular vertebroplasty with polymethyl methacrylate for pathological fracture of the spine. *J Clin Neurosci.* 2009 Oct;16(10):1300-4.
- Lin JH, Tsai DH, ***Chiang YH**. A primary sellar esthesioneuroblastomas with unusual presentations: a case report and reviews of literatures. *Pituitary.* 2009;12(1):70-5.
- Chiu WT, Chu SF, Chang CK, Lui TN, ***Chiang YH**. Implementation of a motorcycle helmet law in Taiwan and traffic deaths over 18 years. *JAMA.* 2011 Jul;306(3):267-8
- Chiang YH**, Chao DP, Chu SF, Lin HW, Huang SY, Yeh YS, Lui TN, Binns CW, Chiu WT. Early Enteral Nutrition and Clinical Outcomes of Severe Traumatic Brain Injury Patients in Acute Stage - A Multi-Center Cohort Study. *J Neurotrauma.* 2012 Jan;29(1):75-80

8. Lin JH, ***Chiang YH**. Unilateral Approach for Bilateral Foramen Decompression in Minimally Invasive Transforaminal Interbody Fusion. *World Neurosurg*. 2014 Nov;82(5):891-896.
9. Lin JH, Wang SH, Lin EY, ***Chiang YH**. Better height restoration, greater kyphosis correction, and fewer refractures of cemented vertebrae by using an intravertebral reduction device: a 1-year follow-up study. *World Neurosurg*. 2016 Jun; 90:391-6. doi: 10.1016/j.wneu.2016.03.009.
10. Lin JH, Chien LN, Tsai WL, Chen LY, Hsieh YC, ***Chiang YH**. Reoperation rates of anterior cervical discectomy and fusion versus posterior laminoplasty for multilevel cervical degenerative diseases: a population-based cohort study in Taiwan. *Spine J*. 2016 Dec;16(12):1428-1436. doi: 10.1016/j.spinee.2016.08.017. Epub 2016 Aug 9.
11. Lin JH, Hsieh YC, Chen YC, Wang Y, Chen CC, ***Chiang YH**. Diagnostic accuracy of standardised qualitative sensory test in the detection of lumbar lateral stenosis involving the L5 nerve root. *Sci Rep*. 2017 Sep 6;7(1):10598. doi: 10.1038/s41598-017-10641-2.
12. Lin JH, Chien LN, Tsai WL, Chen LY, **Chiang YH**, Hsieh YC. Early vertebroplasty associated with a lower risk of mortality and respiratory failure in aged patients with painful vertebral compression fractures: a population-based cohort study in Taiwan. *Spine J*. 2017 Sep;17(9):1310-1318. doi: 10.1016/j.spinee.2017.05.001. Epub 2017 May 5.
13. Ma HP, Chen PS, Wong CS, Chang CF, Ou JC, Tsai YR, Chiu WT, Tsai SH, Liao KH, **Chiang YH**, Wang JY, *Chen KY, *Wu JC. Psychometric Evaluation of Anxiety, Depression, and Sleep Quality after a Mild Traumatic Brain Injury: A Longitudinal Study. *Behav Neurol*. 2019 Apr 14;2019:4364592. doi: 10.1155/2019/4364592. eCollection 2019.
14. Huang PJ, *Lin JH, **Chiang YH**. Miniplate-Augmented Interlaminar Fusion in C1-C2 Screwing. *World Neurosurg*. 2020 Jun;138:e634-e641. doi: 10.1016/j.wneu.2020.03.023. Epub 2020 Mar 13.
15. Yang YS, Tsou YS, Lo WC, **Chiang YH**, Lin JH. Teriparatide Associated with Fewer Refractures and Higher Body Heights of Cemented Vertebrae after Vertebroplasty: A Matched Cohort Study. *Sci Rep*. 2020 Apr 7;10(1):6005. doi: 10.1038/s41598-020-62869-0
16. Chen KY, Tsai TY, Chang CF, Ou JC, Tsai YR, Ma HP, Chiu WT, Tsai SH, Liao KH, Lin JW, Lin CM, Wu JC, **Chiang YH**. Worsening of Dizziness Impairment Is Associated with Bone Marrow Kinase on Chromosome X Level in Patients after Mild Traumatic Brain Injury. *J Neurotrauma*. 2021 May 15;38(10):1445-1449. doi: 10.1089/neu.2014.3691.
17. Ma HP, Ou JC, Chen KY, Liao KH, Kang SJ, Wang JY, **Chiang YH**, Wu JC. Screening for Poor Self-Reported Sleep Quality at 12 Weeks in Post-Mild Traumatic Brain Injury Patients Using the HF-Age-Gender (HAG) Index. *Brain Sci*. 2021 Oct 20;11(11):1369. doi: 10.3390/brainsci11111369.
18. Chan RW, **Chiang YH**, Chen YY, Chen YC, Lin JH, Tsou YS. Predicting Early Loss of Lateral Spread Response before Decompression in Hemifacial Spasm Surgery. *Life (Basel)*. 2021 Dec 27;12(1):40. doi: 10.3390/life12010040.
19. Hsieh YC, Yang YS, Chien LN, **Chiang YH**, *Lin JH. Timing of symptomatic subsequent vertebral compression fracture associated with different demographic factors. *Eur Spine J*. 2022 Jul 11. doi: 10.1007/s00586-022-07293-w. Online ahead of print.