

# CURRICULUM VITAE

NAME : 莊海華 Chuang Hai-Hua



## PROFESSIONAL APPOINTMENT (現職)

長庚紀念醫院北院區 家庭醫學部副科主任  
林口及台北長庚醫院 智慧醫療委員會委員  
林口及台北長庚醫院 體重管理中心副主任  
林口及台北長庚醫院 健康促進推動委員會副主席  
林口及台北長庚醫院 健康促進中心主任  
長庚大學 醫學院中醫學系助理教授  
長庚大學 校友總會副理事長  
長庚大學 傑出校友

國立清華大學 學士後醫學系助理教授暨家庭、社區、暨預防醫學課程系統召集人  
台灣肥胖醫學會 編輯委員/ 國際事務委員  
台灣健康識能與傳播學會 理事  
中華運動禁藥防治基金會 違規審議委員會委員  
台灣骨鬆肌少關節防治學會 副秘書長  
台灣女醫師協會 財務長  
MWIA2022 Scientific Subcommittee Co-chairs  
康健雜誌 「精準健康」專欄作家

## EDUCATION(學歷)

Geisinger Medical Center, Danville, Pennsylvania, USA Visiting Scholar  
國立台北科技大學管理學院工業工程與管理博士候選人  
長庚大學醫學院醫學士

## MAJOR RESEARCH AREA(研究領域)

Epidemiology, health impact, and prevention of obesity, suboptimal body composition, and declined physical fitness

## PUBLICATION(近 3 年學術發表) (\*: as corresponding author )

1. **Chuang, H. H.**, Cherng, W. J., Lin, C. H., Lee, L. A., Hsu, K. H., & Lin, R. H. Physical fitness mediates and predicts for high blood pressure among children in relation to weight status. *Frontiers in Public Health*, 4, 2023, 11, 1157351. (SSCI) [長庚醫院優秀論文獎]
2. Huang, C.G., Hsu, J. F., Chuang, L. P., Li, H. Y., Fang, T. J., Huang, Y. S., Yang, A. C., Lee, G. S., Kuo, T. B. J., Yang, C. C. H., Lee, L. A., \* & **Chuang, H. H.**\* Adenotonsillectomy-related changes in systemic inflammation among children with obstructive sleep apnea. *Journal of the Chinese Medical Association*, 3, 2023, 00. (SCI)
3. Lee, L. A., **Chuang, H. H.**, Hsieh, H. S., Wang, C. Y., Chuang, L. P., Li, H. Y., Fang, T. J., Huang, Y. S., Lee, G. S., Yang, A. C., Kuo, T-B. J., \* & Yang, C-C. H.\* Using sleep heart rate variability to investigate the sleep quality in children with obstructive sleep apnea. *Frontiers in Public Health*, 3, 2023, 11, 1103085. (SSCI) [長庚醫院優秀論文獎]
4. Hsieh, H. S., Chuang, H. H., Hsin, L. J., Lin, W. N., Kang, C. J., Zhuo, M. Y., Chuang, L. P., Huang, Y. S., Li, H. Y., Fang, T. J., & Lee, L. A.\* Effect of Preoperative Weight Status and Disease Presentation on Postoperative Elevated Blood Pressure After Childhood Adenotonsillectomy. *Otolaryngology – Head and Neck Surgery*. 1, 2023, 00, 1-12. (SCI ; IF 2021= 5.591 ; OTORHINOLARYNGOLOGY: 3/43 =6.9, Q1) Chuang, H. H contributed equally to first author
5. Lin, Y. C., Shao, I. H., Juan, Y.H., Yeh, K. Y., Hou, C. P., Chen, C. L., Yu, K. J., Chen, L. S., Lin, C. L., **Chuang, H. H.**\* The impact of exercise on improving body composition and PSA in high-risk prostate cancer patients on androgen-deprivation therapy. *Nutrients*. 11, 2022, 14, 5088. (SCI)
6. Hsin, L. J., Chao, Y. P., **Chuang, H. H.**\*, Kuo, T-B. J., Yang, C-C. H., Huang, C. G., Kang, C. J., W. N., Fang, T. J., Li1, H. Y., Lee, L. A.\* Mild simulator sickness can alter heart rate variability, mental workload, and learning outcomes in a 360° virtual reality application for medical education: a post hoc analysis of a randomized controlled trial. *Virtual Reality*. 9, 2022, 1-17. (SCI) [長庚醫院優秀論文獎]

7. Chao, Y. P., Kang, C. J., **Chuang, H.H.**, Hsieh, M. J., Chang, Y. C., Kuo, T-B. J., Yang, C-C. H., Huang, C. G., Fang, T. J., Li, H. Y., & Lee, L. A.\* Comparison of the effect of 360° versus two-dimensional virtual reality video on history taking and physical examination skills learning among undergraduate medical students: a randomized controlled trial. *Virtual Reality*. 8, 2022, 1-14. (SCI) Co-first author [長庚醫院優秀論文獎]
8. Cheng, K. H., Wu, N. K., Chen, C. T., Hsu, C. Y., Lin, Y. A., Luo, J. J-C., Lee, L. A., & **Chuang, H. H.**\* Effectiveness and Response Differences of a Multidisciplinary Workplace Health Promotion Program for Healthcare Workers. *Frontiers in Medicine*. 7, 2022, 9, 930165. (SCI) [長庚醫院優秀論文獎]
9. **Chuang, H.H.**, Wang, C. Y., Chuang, L. P., Huang, Y. S., Li, H. Y., Fang, T. J., Lin, R. H., Lee, L. A.\* The 3% Oxygen Desaturation Index is an Independent Risk Factor for Hypertension Among Children with Obstructive Sleep Apnea. *Nature and Science of Sleep*. 6, 2022, 14, 1149-1164. (SCI) [長庚醫院優秀論文獎]
10. Hsu, W. C., Lin Y. C., **Chuang, H. H.**, Yen, K. Y., Chen, W. P., & Ro, L. S.\* A Muscle Biosignature Differentiating Between Limb-Girdle Muscular Dystrophy and Idiopathic Inflammatory Myopathy on Magnetic Resonance Imaging. *Frontiers in Neurology*. 12, 2021, 12, 783095. (SCI)
11. Chao, Y. P., **Chuang, H. H.**, Hsin, L. J., Kang, C. J., Fang, T. J., Li, H. Y., Huang, C. G., Kuo, T. B. J., Yang, C. H., Shyu, H. Y., Wang, S. L., Shyu, L. Y., & Lee, L. A.\* Using A 360° Virtual Reality or Two-Dimensional Video to Learn History Taking and Physical Examination Skills: A Pilot System-Design Study. *JMIR Serious Games*. 11, 2021, 9(4), e13124. (SCI)
12. **Chuang, H. H.**, Hsu, J. F., Wang, C. Y., Chuang, L. P., Chen, M. C., Chen, N. H., Huang, Y. S., Li, H. Y., & Lee, L. A.\* Hypertension in Children with Obstructive Sleep Apnea Syndrome—Age, Weight Status, and Disease Severity. *International Journal of Environmental Research and Public Health*. 9, 2021, 18(18), 9602. (SSCI)
13. Huang, S. W., Liou, J. J. H.\*., **Chuang, H. H.**, Ma, J. C. Y., Lin, C. S., & Tzeng, G. H. Exploring the Key Factors for Preventing Public Health Crises Under Incomplete Information. *International Journal of Fuzzy Systems*. 8, 2021, 23(8), 2467-2488. (SCI)
14. **Chuang, H. H.**, Liu, C. H., Wang, C. Y., Lo, Y. L., Lee, G. S., Chao, Y. P., Li, H.Y., Kuo, T. B-J., Yang, C. C-H., Shyu, L. Y., Lee, A. L.\* Snoring Sound Characteristics Are Associated with Common Carotid Artery Profiles in Patients with Obstructive Sleep Apnea. *Nature and Science of Sleep*. 7, 2021, 13, 1243-1255. (SCI) [長庚醫院優秀論文獎]
15. Hsieh, H. S., Kang, C. J., **Chuang, H. H.**, Zhuo, M. Y., Lee, G. S., Huang, Y. S., Chuang, L. P., Kuo, T. B-J., Yang, C. C-H., Lee, A. L.\* & Li, H. Y.\* Screening Severe Obstructive Sleep Apnea in Children with Snoring. *Diagnostics (Basel)*. 6, 2021, 11(7), 1168. (SCI) Co-first author
16. Huang, S. W., Liou, J. J. H.\*., **Chuang, H. H.**, & Tzeng, G. H. Using a Modified VIKOR Technique for Evaluating and Improving the National Healthcare System Quality. *Mathematics*. 6, 2021, 9(12), 1349. (SCI)
17. Hsu, C. Y., Chen, L. S., Chang, I. J., Fang, W. C., Huang, S. W., Lin, R. H., Ueng, S. W-N., & **Chuang, H. H.**\* Can Anthropometry and Body Composition Explain Physical Fitness Levels in School-Aged Children? *Children-Basel*. 5, 2021, 8(6), 460. (SCI)
18. **Chuang, H. H.**, Hsu, J. F., Chuang, L. P., Chiu, C. H., Huang, Y. L., Li, H. Y., Chen, N. H., Huang, Y. S., Chuang, C. W., Huang, C. G., Lai, H. C., Lee, L. A.\* Different Associations between Tonsil Microbiome, Chronic Tonsillitis, and Intermittent Hypoxemia among Obstructive Sleep Apnea Children of Different Weight Status: A Pilot Case-Control Study. *Journal of Personalized Medicine*. 5, 2021, 11(6), 486. (SCI) [長庚醫院優秀論文獎]
19. Hsin, L. J., **Chuang, H. H.**, Lin, M. Y., Fang, T. U., Li, H. Y., Liao, C. T., Kang, C. J., Chen, T. C., Huang, C. G., Yen, T. C., & Lee, L. A.\* Laryngeal Helicobacter pylori Infection and Laryngeal Cancer-Case Series and a Systematic Review. *Microorganisms*. 5, 2021, 9(6), 1129. Co-first author (SCI)
20. Geisler, B. P.\*., Zahabi, L., Lang, A. E., Eastwood, N., Tennant, E., Lukic, L., Sharon, E., **Chuang, H. H.**, Kang, C. B., Clayton-Johnson, K., Aljaberi, A., Yu, H., Bui, C., Mau, T. L., Li, W. C., Teodorescu, D., Hinske, L. C., Sun, D. L., Manian, F. A., & Dunn, A. G. Repurposing existing medications for coronavirus disease 2019: protocol for a rapid and living systematic review. *Systematic Reviews*. 5, 2021, 10, 143. (SCI)
21. Lee, L. A., Fang, T. J., Li, H. Y., **Chuang, H. H.**, Kang, C. J., Chang, K. P., Liao, C. T., Chen, C. T., Huang, C. G.\*., & Yen, T. C.\* Effects of Epstein-Barr Virus Infection on the Risk and Prognosis of Primary Laryngeal Squamous Cell Carcinoma: A Hospital-Based Case-Control Study in Taiwan. *Cancers*. 4, 2021, 13(7), 1741. (SCI) [長庚醫院優秀論文獎]
22. **Chuang, H. H.**, Lin, R. H., Li, W. C., Yeh, W. C., Lin, Y. A., & Chen, J. Y.\* High-Sensitivity C-Reactive Protein Elevation Is Independently Associated with Subclinical Renal Impairment in the Middle-Aged and Elderly Population-A Community-Based Study in Northern Taiwan. *International Journal of Environmental Research and Public Health*. 8, 2020, 17(16), 5878. (SSCI)
23. Hsu, C. Y., Lin, R. H., Lin, Y. C., Chen, J. Y., Li, W. C., Lee, L. A., Liu, K. H., & **Chuang, H. H.**\* Are Body Composition Parameters Better than Conventional Anthropometric Measures in Predicting Pediatric Hypertension? *International Journal of Environmental Research and Public Health*. 8, 2020, 17(16), 5771. (SSCI)
24. **Chuang, H. H.**, Hsu, J. F., Chuang, L. P., Chen, N. H., Huang, Y. S., Li, H. Y., Chen, J. Y., Lee, L. A.\*., & Huang, C. G.\* Differences in Anthropometric and Clinical Features among Preschoolers, School-Age Children, and Adolescents with Obstructive Sleep Apnea—A Hospital-Based Study in Taiwan. *International Journal of Environmental Research and Public Health*. 6, 2020, 17(13), 4663. (SSCI)
25. **Chuang, H. H.**, Huang, C. G., Chuang, L. P., Huang, Y. S., Chen, N. H., Li, H. Y., Fang, T.J., Hsu, J.F., Lai, H.C., Chen, J.Y., & Lee, L.A.\* Relationships Among and Predictive Values of Obesity, Inflammation Markers, and Disease Severity in Pediatric Patients with Obstructive Sleep Apnea Before and After Adenotonsillectomy. *Journal of Clinical Medicine*. 2, 2020, 9(2), 579. (SCI) [長庚醫院優秀論文獎] [2020 國際外科學會優秀論文銀牌獎]