



## 從 BI 到 AI 預測一流感與「死」的距離

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### 現職：

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### 學歷：

1. 國立成功大學醫學系學士（1994.09–2001.06）
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### 經歷：

1. 台北榮總急診部住院醫師、總醫師、研究員（2002.03–2006.11）
2. 台北國泰醫學中心急診科主治醫師（2006.12–2012.09）
3. 永康奇美醫院急診部主治醫師（2012.10–）
4. 永康奇美醫院老年醫學科代理主任（2017.09–2018.08）
5. 永康奇美醫院急診部高齡急診科主任（2019.08–）
6. 台北醫學大學兼任臨床講師、臨床助理教授（2008.02–2018.06）
7. 輔仁大學兼任講師（2009.10–2012.09）
8. 南臺科技大學專任助理教授（2013.08–2018.01）
9. 南臺科技大學專任副教授（2018.02–）
10. 台灣急診醫學會第十一屆副秘書長、教育委員會委員（2014.07.08–2016.07.07）
11. 台灣急診醫學會第十二屆學術委員會委員、ECC 教育推廣小組委員（2016.06.25–2018.06.24）
12. 台灣急診醫學會第十三屆急診高齡照護小組副召集人、學術委員會委員、編輯委員會委員（2018.07.05–2020.07.04）
13. 台灣老年學暨老年醫學會第十三屆副秘書長、專科甄審委員會委員（2018.06.22–2021.06.21）

### 專業執照：

1. 急診醫學科專科醫師
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論文及學術著作 (\*代表為通訊作者；†代表為共同第一作者)：

1. Chan HY, Hsu CC, **Huang CC\***. Lung Herniation After Cardiopulmonary Resuscitation with Mechanical Chest Compression Device: First Case Report and Literature Review. *Journal of Acute Medicine*. (accepted)
2. Tsai MH, Tsay WI, Her SH, Ho CH, Chen YC, Hsu CC, Wang JJ, **Huang CC\***. Long-term mortality in older adults with chronic pain: a nationwide population-based study in Taiwan. *European Geriatric Medicine*. (accepted; SCI 2018 IF: 1.233) CMFHR10841
3. Huang WT, Lin HJ, Feng IJ, Hsu CC, Wang JJ, **Huang CC\***, Su SB. Comparison of the risk for peripheral vertigo between physicians and the general population. *Iranian Journal of Public Health*. (accepted; SCI; 2017 IF: 1.053). CLFHR10623
4. Chung KM, Ho CH, Chen YC, Hsu CC, Chiu CC, Lin HJ, Wang JJ, **Huang CC\***. Chronic Pain Increases the Risk for Major Adverse Cardiac and Cerebrovascular Events: A Nationwide Population-Based Study in Asia. *Pain Med*. 2020 May 7. pii: pnaa107. doi: 10.1093/pm/pnaa107. [Epub ahead of print] (SCI 2018 IF: 2.782)
5. Tan TH, Huang HK, Hsu CC, Lin HJ, Chung JY, **Huang CC\***. Validation of shock index for predicting mortality in older patients with dengue fever. *Aging Clin Exp Res*. 2020 May 12. doi: 10.1007/s40520-020-01563-7. [Epub ahead of print] (SCI 2018 IF: 2.331)
6. Ma LJ, Wu TM, Feng IJ, Hsu CC, Su SB, Wang JJ, **Huang CC\***. Comparison of the risk for Dementia between Physicians and the General Population: a Nationwide Population-Based Cohort Study. *Aging Clin Exp Res*. 2019 Aug 19. doi: 10.1007/s40520-019-01278-4. [Epub ahead of print] (SCI 2018 IF: 2.331) CMFHR10589
7. Huang YL, Tsay WI, Her SH, Ho CH, Tsai KT, Hsu CC, Wang JJ, **Huang CC\***. Chronic pain and use of analgesics in the elderly: a nationwide population-based study. *Arch Med Sci*. 2020 Feb 11;16(3):627-634. (2018 IF: 2.380). CMFHR10791, NHRINHIRD-99182, NSC 102-2314-B-384-001
8. Chu WT, Liao CH, Lin CY, Chien CY, Lin CC, Chang KW, Chen JH, Chen WL, **Huang CC**, Lin CJ, Chung JY. Reverse shock index multiplied by Glasgow Coma Scale (rSIG) predicts mortality in severe trauma patients with head injury. *Sci Rep*. 2020 Feb 7;10(1):2095. (SCI 2018 IF: 4.011)
9. Tai HC, Yeh CC, Chen YA, Hsu CC, Chen JH, Chen WL, **Huang CC**, Chung JY. Utilization of systemic inflammatory response syndrome criteria in predicting mortality among geriatric patients with influenza in the emergency department. *BMC Infect Dis*. 2019 Jul 19;19(1):639. (SCI; 2018 IF: 2.565)

10. **Huang CC**, Ho CH, Chen YC, Hsu CC, Lin HJ, Wang JJ, Su SB, Guo HR. Effects of Hyperbaric Oxygen Therapy on Acute Myocardial Infarction Following Carbon Monoxide Poisoning. *Cardiovasc Toxicol.* 2020 Jun;20(3):291-300. (SCI; 2018 IF: 2.630) MOST 108-2638-B-006-001-MY2, CMFHR10677, CMFHR10734
11. **Huang CC**, Ho CH, Chen YC, Hsu CC, Lin HJ, Su SB, Wang JJ, Guo HR. Increased risk for hypothyroidism associated with carbon monoxide poisoning: a nationwide population-based cohort study. *Sci Rep.* 2019 Nov 11;9(1):16512. (SCI 2018 IF: 4.011) CMFHR10739, CMFHR10734, MOST 108-2238-B-006-001-MY2
12. Sung KC, Chung JY, Feng IJ, Yang SH, Hsu CC, Lin HJ, Wang JJ, **Huang CC\***. Plantar fasciitis in physicians and nurses: a nationwide population-based study. *Ind Health.* 2020; 58:153-160. (SCI 2018 IF: 1.664) JCHCR10616
13. Liu YL, Chu LL, Su HC, Tsai KT, Kao PH, Chen JF, Hsieh HC, Lin HJ, Hsu CC, **Huang CC\***. Impact of computer-based and pharmacy-assisted medication review initiated in the Emergency Department. *J Am Geriatr Soc.* 2019 Nov;67(11):2298-2304. (SCI; 2018 IF: 4.113) Outstanding research 10802
14. Yeh CC, Chen YA, Hsu CC, Chen JH, Chen WL, **Huang CC**, Chung JY. Quick-SOFA score  $\geq 2$  predicts prolonged hospital stay in geriatric patients with influenza infection. *Am J Emerg Med.* 2019 Jun 25. pii: S0735-6757(19)30422-X. doi: 10.1016/j.ajem.2019.06.041. [Epub ahead of print] (SCI; 2018 IF: 1.651)
15. Lee SG, Feng IJ, Hsu CC, Wang YF, Yang CY, Wang JJ, Chung JY, **Huang CC\***. Risk of diabetes mellitus in physicians: a nationwide study in Taiwan. *BMC Public Health.* 2019 Aug 5;19(1):1047. (SCI 2018 IF: 2.567)
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17. Wong YS, Cheng YY, Cheng TJ, **Huang CC**, Yeh JJ, Guo HR. The Relationship Between Occupational Exposure to Low-dose Ionizing Radiation and Changes in Thyroid Hormones in Hospital Workers. *Epidemiology.* 2019 Jul;30 Suppl 1:S32-S38. (SCI; 2017 IF: 4.991)
18. Yen CK, Tan TH, Feng IJ, Ho CH, Hsu CC, Lin HJ, Wang JJ, **Huang CC\***. Comparison of Risk for End-Stage Renal Disease Between Physicians and the General Population: A Nationwide Population-Based Cohort Study. *Int J Environ Res Public Health.* 2019 Jun 22;16(12). (SCI; 2018 IF: 2.468) CMFHR10633
19. Chiu CC, Lin WL, Shi HY, **Huang CC**, Chen JJ, Su SB, Lai CC, Chao CM, Tsao CJ, Chen SH, Wang JJ. Comparison of Oncologic Outcomes in Laparoscopic versus Open Surgery for Non-Metastatic Colorectal Cancer: Personal Experience in a Single Institution. *J. Clin. Med.* 2019; 8(6):875. (SCI; 2018 IF: 5.688)
20. Chang SH, Yeh CC, Chen YA, Hsu CC, Chen JH, Chen WL, **Huang CC**, Chung JY. Quick-SOFA score to predict mortality among geriatric patients with influenza in the

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  22. Huang WT, Weng SF, Hsu CC, Lin HJ, Su SB, Wang JJ, **Huang CC\***. Comparison of the risk of developing lumbar herniated intervertebral disc between dentists and other occupations: A nationwide population-based study in Taiwan. *J Occup Health*. 2019 May;61(3):227-234. (SCI; 2018 IF: 1.800) 106CM-KMU-13
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44. Huang HS, Hsu CC, Ye JC, Su SB, **Huang CC\***, Lin HJ. Predicting the mortality in geriatric patients with dengue fever. *Medicine (Baltimore).* 2017 Sep;96(37):e7878. (SCI; 2017 IF: 2.028)
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  51. Weng TC, Yang YC, Chen PJ, Kuo WF, Wang WL, Ke YT, Hsu CC, Lin KC, **Huang CC\***, Lin HJ. Implementing a novel model for hospice and palliative care in the emergency department: An experience from a tertiary medical center in Taiwan. *Medicine (Baltimore).* 2017 May;96(19):e6943. (SCI; 2017 IF: 2.028)
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  53. Lin CY, Chen SH, **Huang CC**, Weng SF, Lee ST, Guo HR, Kuo SC, Su SB. Risk of secondary cancers in women with breast cancer and the influence of radiotherapy: A national cohort study in Taiwan. *Medicine (Baltimore).* 2016 Dec;95(49):e5556. (SCI; 2017 IF: 2.028)
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**科技部計畫：**

1. 科技部 MOST 108-2314-B-384-010：探索一氧化碳中毒引致精神及認知功能障礙之潛在機制：揭示腦-腸-心軸互動作用
2. 科技部 108 年度「領袖學者助攻方案-沙克爾頓計畫」：一氧化碳健康效應的機轉與其應用之研究

**專利：**

1. 迷你引流器 MiniDrain 新型第 M 467466 號
2. 腹部按摩裝置 新型第 M 489641 號
3. 超音波聽診裝置 新型第 M 493976 號
4. 具影像顯示之電鍍面罩結構 新型第 M 497525 號
5. 具無線傳輸功能之抗噪音耳罩通訊結構 新型第 M507130 號
6. 攜帶型體重量測系統 發明第 I518307 號

**學術榮譽：**

1. 2019 年台灣急診醫學會冬季討論會口頭論文發表第一名

2. 2019 年台灣急診醫學會冬季討論會海報論文發表佳作
3. 2019 年 TMU-MIT Healthcare Datathon 臺北醫學大學-麻省理工學院合辦醫療數據松競賽第二名
4. 2019 年台灣急診醫學會年會口頭論文發表第一名
5. 2019 年台灣急診醫學會年會英文口頭論文發表第二名
6. 2018 年台灣急診醫學會冬季討論會口頭論文發表佳作
7. 奇美醫院 107 年度傑出研究獎第二名
8. 2018 年台灣老年學暨年醫學會年會最佳演講論文獎第一名
9. 奇美醫院 106 年度傑出研究獎第二名
10. 2017 年台灣急診醫學會冬季討論會口頭論文發表第二名
11. 奇美醫院 105 年度傑出研究獎第二名
12. 奇美醫院 104 年度傑出研究獎第二名
13. 2015 年成大醫學院研究生論文競賽優秀論文獎
14. 2015 年亞洲急診醫學會 outstanding paper award
15. 2015 年台灣老年學暨年醫學會默沙東論文獎第二名
16. 2014 年台灣急診醫學會年會海報論文優等獎
17. 2012 年台灣急診醫學會冬季討論會口頭論文發表第一名
18. 2012 年台灣急診醫學會冬季討論會海報論文發表第三名