

唐高駿

國立陽明大學醫務管理所
國立陽明大學附設醫院
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國立交通大學
澳門科技大學醫學院

教 授
醫 師
首任院長
合聘教授
兼任教授



學歷

1975-1982	國立陽明大學	醫學系	學士
1989-1990	美國約翰霍普金斯大學	公共衛生學院	碩士
2006-2009	長庚及香港中文大學	APEMBA	碩士

經歷

1984-1987 臺北榮總麻醉部住院醫師
1988-1989 急診部及 ICU 進修
1990-1991 美國約翰霍普金斯醫院外科加護中心
1991-1995 臺北榮民總醫院重症加護主治醫師
1998-1998 美國匹茲堡大學 UPMC Starzl 移植中心
1999-2001 臺北榮民總醫院重症加護病室主任
2001-2007 署立宜蘭醫院院長
2007-2008 臺北市立聯合醫院忠孝院區院長兼代資訊室主任
2008-2011 陽明大學附設醫院院長
2011-迄今 陽明大學醫務管理所教授
2019-迄今 國立交通大學合聘教授
2020-迄今 澳門科技大學醫學院兼任教授

學會

1999-2006 西太平洋重症醫學會秘書長(Western Pacific Association of CCM)
2000-2002 台灣心臟救命術聯合委員會主任委員
2004-2006 台灣急救加護醫學會理事長
2010-2013 台灣重症醫學會理事長
2012-迄今 中華醫學會重症醫學雜誌編審 (CN 11-6033/R)

專科證書

中華民國麻醉醫學會專科醫師

台灣重症醫學專科醫師

歐洲重症醫學專科證書 (European diploma of Intensive Care)

醫院設計

陽明大學附設醫院蘭陽院區(6 萬平方米、500 床)

泉州頤和醫院(33 萬米平方米、1500 床)

研究

嚴重感染敗血症的治療

運用病患生命徵象監視系統收集病患的生理訊號，整合病患的病史、影像、檢驗數據，瞭解心、肺、腎、肝各器官系統的互動，進行判斷、制定治療方案。

急重症相關的大數據研究

運用次級資料庫進行急重症相關的大數據研究，並發表多篇論文。

智慧醫療、智慧醫院建置

與台灣交通大學研究團隊攜手合作，整合 ICU 患者各器官功能臨床資料，利用機器學習創建預測及治療的演算式，建構醫療數位孿生(Digital Twins)平臺。

顧問

振興醫療財團法人振興醫院

聯新國際醫院

衛生福利部桃園醫院

華美癌症基金會(Sino-American Cancer Foundation)

清華水木基金

緯創醫學科技

講授課程

陽明大學

醫務管理研究所、生技 EMBA、振興醫院高階醫務管理教育碩士學分班
課程：智慧醫院、智慧醫療、組織行為、組織變革、哈佛商業期刊論文個案討論

交通大學

課程：物聯網智慧醫療

學聯網線上課程

課程：醫療人工智慧

(連結 <https://www.sharecourse.net/sharecourse/course/view/courseInfo/2183>)

主題章節	小單元
Session 1	◆ 什麼是智慧醫療
Session 2	◆ 物聯網醫療 IOT
Session 3	◆ 人工智慧物聯網 IOT
Session 4	◆ 生理訊號感知器
Session 5	◆ 醫師智慧到人工智慧的演進
Session 6	◆ 醫療大數據
Session 7	◆ 智慧醫療運用-智慧加護病房
Session 8	◆ 智慧醫療運用-智慧防治新型冠狀病毒
Session 9	◆ 智慧病理醫學
Session 10	◆ 智慧神經醫學
Session 11	◆ 人工智慧帶來的醫療革命
Session 12	◆ 醫師會被取代嗎？
Session 13	◆ 人工智慧時代的醫學教育
Session 14	◆ 智慧醫院-智慧與未來

課程：醫療物聯網

(連結：<https://www.sharecourse.net/sharecourse/course/view/courseInfo/1181>)

主題	內容
第一週 - 何謂智慧醫療？	甚麼是智慧醫療
	為什麼醫療需要智慧？
	生理監視系統
	穿戴型生理訊號感知器
	重症及醫療感知器
	智慧處理生理訊號異常
	生理訊號收集與傳輸
	醫療智慧整合感控系統
第二週 - 智慧醫療的創新應用	網路醫院
	醫療決策流程
	精準醫療
	個人化醫療與大數據分析
	智慧預防猝死
	智慧糖尿病治療
第三週 - 智慧醫療的未來	遠距醫療
	智慧醫療
	智慧藥丸
	物聯網與器械後勤管理
	智慧醫療品質
	物聯網改變慢性病治療模式
	智慧養老
	IBM 華生醫師
未來醫院	
美好健康願景	

演講

日期	地點	題目	邀請單位
2020.09.20	台中	AI 數位學生在 ICU 的應用	台灣呼吸治療學會第十四屆國際學術研討會
2020.09.05	臺北	人工智慧取代專業醫療的時代？	2020 年臺灣燒傷暨傷口照護學會年會暨學術研討會
2020.08.09	線上	人工智慧在 ICU 的運用	中華醫學會第 14 次全國重症醫學大會演講
2020.08.06	臺北	未來醫院	喜馬拉雅計畫智慧醫療月會
2019.12.14	蘇州	人工智慧在智慧醫院中的運用	蘇州張家港高鐵新城生技醫療產業發展研討會
2019.11.30	泉州	醫院管理與健保制度	海峽兩岸檢驗技術暨醫保健保人才交流論壇
2019.11.23	泉州	AI 數位學生在 ICU 中的運用	福建海峽呼吸病論壇
2019.11.22	泉州	人工智慧的臨床應用及未來	白求恩福建地區醫院管理大會
2019.06.29	臺北	人工智慧取代醫師的時代？	科創講堂 Tech-Talk FORUM 2019 – 智慧醫療
2019.06.15	成都	人工智慧物聯網時代的外傷中心設計	第三屆國際危重症急救高峰論壇演講
2019.05.24	珠海	遠端醫療：改變重症病人轉運模式	中華醫學會第 13 次全國重症醫學大會
2019.04.27	新竹	人工智慧取代醫師的時代？	AI 大時代清華校慶高峰會
2019.03.09	廣州	人工智慧時代的醫學教育	珠江醫學模擬教育國際高峰論壇
2018.12.08	泉州	智慧醫院管理	第三屆海峽呼吸病論壇
2018.12.07	泉州	人工智慧的臨床應用及未來	白求恩·福建地區醫院管理大會
2018.11.18	博鰲	醫療人工智慧現況與未來	中國數字醫學高峰論壇
2018.11.02	蘇州	創新醫管解決方案與平臺	研華物聯網共創峰會
2018.10.16	泉州	臺灣醫學教育—過去、現在與未來	華僑大學醫學院交流會
2018.09.07	天津	重症治療準則之推廣	中國危重病醫學大會
2018.08.17	西安	未來醫院	新時代醫院改革發展論壇
2018.07.13	呼和浩特	醫療物聯網—智慧 ICU	第十一屆西部重症醫學論壇
2018.07.13	呼和	醫療物聯網—智慧 ICU	第十一屆西部重症醫學論壇
2018.07.07	上海	嚴重 ARDS 鎮靜深度如何把控？	上海東方重症醫學

2018.05.25	深圳	醫學教育改革和住院醫師培養	深圳市首屆婦產兒專業技術模擬教育國際高峰論壇
2018.05.18	杭州	Build a CDS(臨床決策支援系統) like IBM Watson 沃森?	中華醫學會重症年會
2018.01.12	吉林	不確定環境下的醫院管理	海峽兩岸高階醫務管理研習班
2017.11.25	泉州	智慧 ICU	第二屆海峽呼吸病論壇
2017.11.24	泉州	不確定環境下的醫院管理	海峽呼吸病論壇—醫院管理論壇
2017.09.23	長沙	臺灣住院專科醫師養成與訓練	第二屆湘雅醫學教育高峰論壇
2017.06.24	徐州	醫療品質和智慧醫院	徐州醫科大學與陽明大學交流會
2017.05.27	西安	智慧醫療加護病房中運用	中華醫學會重症年會
2016.10.24	宜蘭	新世紀的創新智慧醫療	前進未知：22世紀的健康與醫療論壇
2016.08.17	西寧	互聯網時代臺灣重症醫學的進步	西部重症會
2016.05.21	鄭州	重症治療準則之推廣	中國重症醫學

Publications

1. Hsu, Y. T., He, Y. T., Ting, C. K., Tsou, M. Y., Tang, G. J., & Pu, C. (2020). Administrative and Claims Data Help Predict Patient Mortality in Intensive Care Units by Logistic Regression: A Nationwide Database Study. *BioMed research international*, 2020.
2. Chang, C. L., Tang, G. J., Wu, C. P., Pu, C., & Chen, H. C. (2020). The influence of nurse practitioner staffing on intensive care unit mortality. *Journal of the American Association of Nurse Practitioners*, 32(3), 252-260.
3. Pan PJ, Lin PH, Tang GJ, Lan TY, Comparisons of mortality and rehospitalization between hip-fractured elderly with outpatient rehabilitation and those without: *Medicine (Baltimore)*. 2018, 97(19):e0644.
4. Jian LJ, Tang GJ The design of an advanced trauma center — space layout and flow. *J Trauma Surgery*, 19, 2017
5. Hong JY, Lan TY, Tang GJ, Tang CH, Chen TJ, Lin HY. Gout and the risk of dementia: a nationwide population-based cohort study. *Arthritis Res Ther*. 2015 May 28(17):139.
6. Lan TY, Zeng YF, Tang GJ, Kao HC, Chiu HJ, Lan TH, Ho HF. The Use of Hypnotics and Mortality--A Population-Based Retrospective Cohort Study. *PLoS One*. 2015 Dec 28;10(12).
7. Yuan CR, Lan TY, Tang GJ. Can Tracheostomy Improve Outcome and Lower Resource Utilization for Patients with Prolonged Mechanical Ventilation? *Chin Med J*. 2015 Oct 5;128(19).

8. Tsai TC, Chen YC, Lo CW, Wang WS, Lo SS, Tang GJ, Thien PF. Incidence and renal survival of ESRD in the young Taiwanese population. *Clin J Am Soc Nephrol.* (2014) Feb;9(2):302-9
9. Lee WJ, Chen LK, Tang GJ, Lan TY. The impact of influenza vaccination on hospitalizations and mortality among frail older people. *J Am Med Dir Assoc.* (2014)Apr;15(4):256-60.
10. Chang SC, Chen YC, Pu CY, Tang GJ. The Impact of Nationwide Education Program on Clinical Practice in Sepsis Care and Mortality of Severe Sepsis: a Population-based Study in Taiwan. *Plos one*, 8, e774142013 (2013)
11. Lai JI, Lin HY, Lai YC, Lin PC, Chang SC, Tang GJ. Readmission to the intensive care unit: a population-based approach. *J Formos Med Assoc.* 111(9):504-9, (2012)
12. Lai YC, Chang SC, Yuan MK, Lai CI, Lin PC, LC Kuo, CY Chang, YC Liu, Tang GJ. Tuberculous Pleural Effusion in the Elderly. *International Journal of Gerontology*, 6, 224–22 (2012)
13. PU CY, Tang GJ, Fang YT, Chou YJ "Which domain of self-rated health better predicts medical care utilization for general adults?" Accepted for publication. *J Epidemiology* (2012)
14. Pu CY, Huang N, Tang GJ, Chou YC. When does poor subjective financial position hurt the elderly? Testing the interaction with educational attainment using a national representative longitudinal survey. *BMC Public Health*, 21, 278-284 (2011)
15. Hong JY, Lai YC, Chang CY, Chang SC, Tang GJ. Successful Treatment of Severe Heatstroke With Therapeutic Hypothermia by a Noninvasive External Cooling System. *Ann Emergency Med*, (2011).
16. Lin HY, Lai JI, Lai YC, Lin PC, Chang SC, Tang GJ. Acute renal failure in severe pancreatitis: A population-based study. *Upsala Journal of Medical Sciences*, 116, 155-159, 2011
17. Tang GJ, HY Wang, JY Wang, CC Lee, HW Tsengb, YL Wub, SK Shyu ec, TS Leeb, YR Kou. Novel role of AMP-activated protein kinase signaling in cigarette smoke induction of IL-8 in human lung epithelial cells and lung inflammation in mice. *Free Radical Biology.* 50, 1492-1502, 2011(SCI)
18. Chang SC, Hsu CY, Peng YE, Tang GJ. Central Venous Catheter Induced Septic Thrombosis of the Superior Vena Cava: A Case Report. *Taiwan Critical Care Medicine*, 12, 23, 2011
19. How CH, Hou SK, Shih HC, Yen HT, Huang C, Lee CH, Tang GJ. (2010) Usefulness of triggering receptor expressed on myeloid cells-1 in differentiating between typical and atypical community-acquired pneumonia. *Am J Emergency Med.* (SCI)
20. Yuan MK, Chien CW, Lee SK, Hsu NW, Chang SC, Chang SJ, Tang GJ (2010)

Health Effects of Medical Radiation on Cardiologists Who Perform Cardiac Catheterization, *J Chin Med Assoc*, 73, 199-204

21. Chang CH, Yang CF, Huang YC, Tang GJ, Chan KH, Ting CK. (2009) General anesthesia in a juvenile with attention-deficit hyperactivity disorder accompanied by long-term use of methylphenidate (Concerta). *Acta Anaesthesiol Taiwan*. 208-11.
22. Kang SC, Hsu NW, Tang GJ, Hwang SJ, Fung CP (2009) Adult liver abscess: characteristics of patients living in rural north-eastern Taiwan, *IJCP*, 63: 949 – 953
23. Chao C, Wang T, Chong C, Lin Y, Chen C, Tang GJ, Yen D. (2009) Prognostic Value of QT Parameters in Patients with Acute Hemorrhagic Stroke: A Prospective Evaluation with Respect to Mortality and Post-hospitalization Bed Confinement. *J Chin Med Assoc*, 72, 124-132
24. Hsu CL, Wu YL, Tang GJ, Lee TS, Kou YR. (2009) Ginkgo biloba extract confers protection from cigarette smoke extract-induced apoptosis in human lung endothelial cells: Role of heme oxygenase-1. *Pulm Pharmacol Ther*. 22(4):286-96
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27. Chen SD, Wen ZH, Chang WK, Chan KH, Tsou MT, Sung CS, Tang GJ. (2008) Acute effect of methylprednisolone on the brain in a rat model of allergic asthma. *Neurosci Lett*. (SCI)
28. Kang SC, Hsu NW, Tang GJ, Hwang SJ. (2007) Impact of urinary on geriatric inpatients with community-acquired urinary tract infections. *J Chin Med Assoc*, 70, 236-240. (correspondence)
29. Chao CC, Chen YC, Chong CF, Lin AC, W TL, Tang GJ. (2006) Thrombolytic therapy for ischemic stroke in Taiwan using intravenous rt-PA. *J Emerg Crit Care Med*.4: 139-145
30. Huang PS, Tang GJ, Chen CH, Kou YR. (2006) Whole-body moderate hypothermia confers protection from wood smoke-induced acute lung injury in rats: The therapeutic window. *Crit Care Med*, 1160-1167 (SCI)
31. Tang GJ, Hsueh KH, Tsai CH, Chen SD. (2005) The cost effectiveness of Intensive Care. *J Emerg Crit Care Med*, 16, 139-145.
32. Chan YJ, Chen SD, Perng CL, Hsu NW, Hsu LC, Chou NS, Tang GJ (2004) Clinical Manifestations of Two Cases with Severe Acute Respiratory Syndrome (SARS) Reported From I-Lan County, , *J Chinese Medical Association: JCMSA*.

33. Wu JJ, Huang MS, Tang GJ, Shih SC, Yang CC, Kao WF, Huang MH, Lee CH. (2003) Percutaneous dilatational tracheostomy versus open tracheostomy--a prospective, randomized, controlled trial. *J Chinese Medical Association: JCMA*. 66(8):467-73, 2003
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36. Chen SD, Liao SM, Tang GJ, Kuo HS et. Al. (2001) Effect of Post-operative intensive care after resection of esophageal cancer. *J Emerg Crit Care Med*, 12, 148-160.
37. Lin YS, Ho CY, Tang GJ, Kou YR. (2001) Alleviation of wood smoke-induced lung injury by tachykinin receptor antagonist and hydroxyl radical scavenger in guinea pigs. *Eur J Pharmacology*. 141-8 (SCI)
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41. King KL, Tang GJ, Wu CW, Lui YW (2001) Ischaemic change of human intestine after total portal occlusion. *SA J Surg*. (SCI)
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44. Tang GJ, (2000) Post-operative multiple organ failure *Taiwan Crit.Care Med*, 2:280-287.
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