



照片



NAME
黃家樂
WONG, Kar-Lok

POSITION TITLE
Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Kaohsiung Medical College, Taiwan	M.D.	1982	Medicine
Taipei Medical University, Taiwan	Ph.D.	2004	Medicine/ Cardiology
Tokyo Medical University Hospital, Tokyo, Japan	Research fellow	1987	Medicine/ Cardiology
St. Marianna University & Hospital, Kawasaki, Kanagawa, Japan	Research fellow	1989	Medicine/ Pharmacology

CURRENT POSITIONS

Present

Director and Professor, College of Medicine, Department of Anesthesiology, China Medical University, Taichung, Taiwan

Professor, Graduate Institute of Biomedical Sciences, China Medical University, Taichung, Taiwan

Professor, Institute of Clinical Medical Science, China Medical University, Taichung, Taiwan

Honorary Professor, LKS Faculty of Medicine, University of Hong Kong, Hong Kong

Visiting Professor, Taishan Medical University, Taian, Shandong, China

Visiting Professor, Shandong University, Qilu Hospital-Nanshan Hospital, Shandong, China

President, Taiwan Society of Intravenous Anesthesia

Vice President, Taiwan Society of Simulation in Acute and Critical Care Medicine

Councilor, Taiwan Society of Cardiovascular Anesthesiologists

Councilor, The Society of Emergency & Critical Care Medicine, Taiwan

Councilor, International College of Surgeons, Taiwan Section.

RESEARCH INTEREST

1. Cardiac Anesthesiology & Pharmacology
2. Critical Care Medicine
3. Molecular and Cellular Biology
4. Translational medicine

HONORS/ AWARDS

1. Best Basic Research Award, The 29th Scientific Meeting and Annual Congress of The Society of Emergency and Critical Care Medicine, 2016
2. Distinguished Poster Award 2015, Congress of The Society of Critical Care Medicine, Taiwan
3. Best Basic Research Award, The 28th Scientific Meeting and Annual Congress of The Society of Emergency and Critical Care Medicine, 2015
4. Distinguished Poster Award 2014, Congress of The Society of Critical Care Medicine, Taiwan
5. Distinguished Publication Award 2014, International College of Surgeons, Taiwan Section
6. Distinguished Publication Award 2013, International College of Surgeons, Taiwan Section

7. Distinguished Poster Award 2013, Congress of The Society of Critical Care Medicine, Taiwan
8. Distinguished Publication Award 2012, International College of Surgeons, Taiwan Section
9. Honorary Professor, LKS Faculty of Medicine, University of Hong Kong, Hong Kong
10. The Best Poster Award 2011, Congress of The Society of Critical Care Medicine, Taiwan
11. Distinguished Publication Award 2011, International College of Surgeons, Taiwan Section
12. Distinguished Poster Award 2010, Congress of The Society of Critical Care Medicine, Taiwan
13. Best Poster Award (Basic Research), The 23rd Scientific Meeting and Annual Congress of The Society of Emergency and Critical Care Medicine, 2010
14. Best Basic Research Award, The 23rd Scientific Meeting and Annual Congress of The Society of Emergency and Critical Care Medicine, 2010
15. Best Clinical Research Award, The 54th Scientific Meeting and Annual Congress of Taiwan Society of Anesthesiologists, 2010
16. Best Basic Research Award: The 54th Scientific Meeting and Annual Congress of Taiwan Society of Anesthesiologists, 2010
17. Outstanding thesis Award 2010, International College of Surgeons, Taiwan Section
18. Distinguished Paper Award 2009, Congress of The Society of Critical Care Medicine, Taiwan
19. Distinguished Poster Award (Basic Research) 2009, Annual Congress of The Society of Anesthesiologists, Taiwan
20. Distinguished Poster Award (Clinical Case Report) 2009, Annual Congress of The Society of Anesthesiologists, Taiwan
21. Excellent thesis Award 2008, International College of Surgeons, Taiwan Section
22. Distinguished Publication Award 2007, International College of Surgeons, Taiwan Section
23. Outstanding thesis Award 2007, International College of Surgeons, Taiwan Section
24. Best Teaching Staff 2006-2007, China Medical University Hospital, Taiwan
25. Distinguished Paper Award 2006, Asian Pacific Congress of Critical Care Medicine
26. Distinguished Paper Award 2006, Annual Congress of The Society of Anesthesiologists, Taiwan
27. Distinguished Publication Award 2006, Urbani Foundation-Infection Control Research
28. Distinguished Paper Award 2005, Annual Congress of The Society of Anesthesiologists, Taiwan
29. Distinguished Poster Award 2004, 12nd Congress of Emergency & Critical Care Medicine, Taiwan
30. Distinguished Poster Award 2004, Congress of The Society of Critical Care Medicine, Taiwan
31. Distinguished Paper Award 2003, 11st Congress of Emergency & Critical Care Medicine, Taiwan
32. Distinguished Publication Award 2003, Chi-Mei Foundation & Chi-Mei Hospital, Taiwan
33. Distinguished Paper Award 2002, 10th Congress of Emergency & Critical Care Medicine, Taiwan
34. Best Paper Award 2002, Annual Congress of The Society of Anesthesiologists, Taiwan
35. Distinguished Paper Award 2001, 9th Congress of Emergency & Critical Care Medicine, Taiwan
36. Distinguished Research(Paper) Award 2001, Taipei Medical University & Hospital, Taiwan
37. Distinguished Award(2000) of The American Science Technology and Engineering, USA
38. Distinguished Publication Award 1986, The Society of Anesthesiologists, Taiwan

REVIEWER

1. British Journal of Anaesthesia
2. Journal of Clinical Anesthesia
3. Minerva Anestesiologica
4. American Journal of Respiratory and Critical Care Medicine (Impact Factor 11.986)
5. Journal of Molecular and Cellular Cardiology (Impact Factor 5.218)
6. Organic Chemistry International
7. African Journal of Biotechnology
8. International Medical Case Reports Journal
9. Journal of Experimental Pharmacology
10. Cellular & Molecular Biology Letter
11. Journal of Inflammation Research
12. World Journal of Biological Chemistry
13. Open Access Emergency Medicine
14. Open Access Journal of Case Report
15. World Journal of Gastroenterology
16. World Journal of Clinical Cases
17. World Journal of Critical Care Medicine
18. World Journal of Cardiology
19. World Journal of Nephrology
20. Hong Kong Medical Journal

21. Acta Anaesthesiologica Taiwanica
22. The Chinese Journal of Pain
23. Journal of Emergency & Critical care of Medicine (Deputy Editor)
24. World Journal of Anesthesiology (Editorial Board)
25. International Journal of Anesthesiology Research(Editorial Board)

PUBLICATION & PRESENTATION : (<http://webap.cmu.edu.tw/TchEportfolio/Default.aspx>)

72 publications and 250 abstracts and presentations at professional conferences

Publications : * The author's name searched in Medline is "Wong kl"

(MI, Medical index; SCI, Scientific Citation index)

1. King-Cheung Wu, Kar-Shun Cheng, Kar-Lok Wong, Paul Chen, Yuk Man Leung. Perturbation of Akt signaling, mitochondrial potential and ADP/ATP ratio in acidosis-challenged rat cortical astrocytes. Journal of cellular biochemistry 2016 Sep 8. Doi: 10.1002/jcb. 25725 [Epub ahead of print] (SCI)
2. Tien-Yao Tsai , Shyh-Liang Lou , Kar-Lok Wong, Mei-Ling Wang, Tzu-Hui Su, Paul Chan, Yuk-Man Leung. Repressed Ca(2+) clearance in Parthenolide-treated murine bEND.3 endothelial cells. European Journal of Pharmacology 2015 Dec 15; 769:280-6. doi: 10.1016/j.ejphar.2015.11.031. (SCI)
3. Tien-Yao Tsai , Paul Chan, Chi-Li Gong, Kar-Lok Wong, Tzu-Hui Su, Pei-Chen Shen, Yuk-Man Leung, Zhong-Min Liu. Parthenolide-induced Cytotoxicity in H9c2 Cardiomyoblasts Involves Oxidative Stress. Acta Cardiologica Sinica 31 (Jan 15):33-41, 2015. (SCI)
4. Tien-Yao Tsai , Shyh-Liang Lou , Kar-Lok Wong, Mei-Ling Wang, Tzu-Hui Su, Zhong-Min Liu, Li-Jen Yeh, Paul Chan, Chi-Li Gong, Yuk-Man Leung. Suppression of Ca(2+) influx in endotoxin-treated mouse cerebral cortex endothelial bEND.3 cells. European Journal of Pharmacology 755 (May 15):80-7, 2015. doi: 10.1016/j.ejphar.2015.03.001. Epub 2015 Mar 11. (SCI)
5. Suryamin Liman, Chi Wai Cheung, Kar-Lok Wong, Lydia Wai Tai, Qiu Qiu, Kwok F. Ng, Siu Wai Choi and Michael G. Irwin. Preventive treatment with ketamine attenuates the ischaemia-reperfusion response in a chronic post-ischaemia pain model. Oxidative Medicine and Cellular Longevity Volume 2015 (2015), Article ID 380403, 9 pages. <http://dx.doi.org/10.1155/2015/380403> Article ID 380403. (SCI)
6. Kar-Lok Wong, Yu-Ru Wud, Ka-Shun Cheng, Paul Chan, Chi-Wai Cheung, Dah-Yuu Lu, Tzu-Hui Su, Zhong-Min Liu, Yuk-Man Leung . Palmitic acid-induced lipotoxicity and protection by (+)-catechin in rat cortical astrocytes. Pharmacological Reports 66(6) Dec,1106-1113, 2014. (SCI)
7. Victor KL Hung, Lydia W Tai, Qiu Qiu, Xin Luo; Kar-Lok Wong; Sookja K Chung, Chi-Wai Cheung. Over-expression of astrocytic ET-1 attenuates neuropathic pain by inhibition of ERK1/2 and Akt(s) via activation of ETA receptor. Molecular and Cellular Neuroscience.60(May):26-35. 2014. (SCI)
8. Edmund c So, Yu-Xuan Lin, Chi Hao Tseng, Bo-Syong Pan, Ka-Shug Chang, Kar-Lok Wong, Lyh-Lyh Hao, Yang-Kao Wang, Bu-Miin Huang. Midazolam induces apoptosis in MA-10 mouse Leydig tumor cells through caspase activation and the involvement of MAPK signaling pathway. OncoTargets and Therapy 7(Feb13): 211-221. 2014. (SCI)
9. King-Cheung Wu, Yi-Hung Chen, Ka-Shun Cheng, Yueh-Hsiung Kuo, Chin-Tsang Yang, Kar-Lok Wong, Yuan-Kun Tu, Paul Chan, Yuk-Man Leung. Suppression of voltage-gated Na(+) channels and neuronal excitability by imperatorin. European Journal of Pharmacology 721(Dec5):49-55, 2013. (SCI)
10. Kar-Lok Wong, Chi-Wai Cheung, Ka-Shun Cheng, Edmund. So, Chu-Chang Chao, Yuk-Man Leung. The molecular mechanism of the anti-oxidative effects of catechin on palmitic acid-induced cytotoxicity in astrocytes. Journal of Heart Diseases 10(1):64A, 2013. (SCI)

11. Yuk-Man Leung, Kar-Lok Wong, Shio-W Chen, Dah-Yuu Lu, Chang-Su Kuo, Yun-Rue Chen, Ya-Wen Chen, Tzu-Hung Cheng. Down-regulation of voltage-gated Ca(2+) channels in Ca(2+) store-depleted rat insulinoma RINm5F cells. *BioMedicine* 3:130-139, 2013. (SCI)
12. Dah-Yuu Lu, Chih-Shiang Chang, Wei-Lan Yeh, Chih-Hsin Tang, Chi-Wai Cheung, Yuk-Man Leung, Ju-Fang Liu, Kar-Lok Wong* (*Correspondence Author). The novel phloroglucinol derivative BFP induces apoptosis of glioma cancer through reactive oxygen species and endoplasmic reticulum stress pathways. *Phytomedicine* 19(12)(Sept15): 1093-1100, 2012. (SCI) (Impact Factor 2.937, JCR-Integrative & Complementary Medicine) - Ranking 4/24)
13. Yuk-Man Leung; Kar-Lok Wong*, Ka-Shun Cheng, Chang-Shin Kuo, Tzu-Hung Cheng. Inhibition of voltage-gated K(+) channels and Ca(2+) channels by diphenidol. *Pharmacological Reports* 64(3) May:739-744,2012. (SCI)
14. Chi-Li Gong*, Kar-Lok Wong*, Ka-Shun Cheng, Chang-Shin Kuo, Chia-Chia Chao, Min-Fan Tsai, Yuk-Man Leung. (* Equally contribution). Inhibitory effects of magnolol on voltage-gated Na+ and K+ channels of NG108-15 cells. *European Journal of Pharmacology* 682(May5):73-78, 2012. (SCI)
15. Kar-Lok Wong, Chu-Chang Chao, Chi-Wai Cheung, Paul Chan, Tzu-Herng Cheng, Yuk-Man Leung. The cardio-protective effects of isosteviol on ET-1-induced hypertrophy of cultured neonatal rat cardiomyocytes. *Journal of Heart Diseases* 9(1):69A, 2012. (SCI)
16. Chia-Chia Chao, Chieh-Chen Huang, Da-Yuu Lu, Kar-Lok Wong, Yun-Ru Chen, Tzu-Herng Cheng, Yuk-Man Leung. Ca2+ store depletion and endoplasmic reticulum stress are involved in P2X7 receptor-mediated neurotoxicity in differentiated NG108-15 cells. *Journal of Cellular Biochemistry* 113(4)Apr:1377-1385, 2012. (SCI)
17. Ssu-Min Huang, Chi-Wai Cheung, Chih-Shiang Chang, Chih-Hsin Tang, Ju-Fang Liu, YH Lin, JH Chen, SH Ko, Kar-Lok Wong, Dah-Yuu Lu. Phloroglucinol derivative MCPP induces cell apoptosis in human colon cancer. *Journal of Cellular Biochemistry* 112(2)Feb:643-652, 2011. (SCI)
18. Cheng-Chun Liao, King-Cheung Wu, Yu-Cheng Liu, Rick SC Wu, Kar-Lok Wong* (*Correspondence Author). Sudden transient paraplegia shortly after preoperative thoracic epidural catheterization-a case report. *Acta Anaesthesiol Taiwan*. 48(4)Dec:182-184, 2010. (SCI)
19. Dah-Yuu Lu, Yuk-Man Leung, Chi-Wai Cheung, Yan-Rue Chen, Kar-Lok Wong*. (*Correspondence Author) Glial cell line-derived neurotrophic factor induces cell migration and matrix metalloproteinase-13 expression in glioma cells. *Biochemical Pharmacology* 2010 Oct 15;80(8):1201-9. (SCI)
20. Kar-Lok Wong, Chi-Wai Cheung, Yuk-Man Leung, Daa-Yu Lu, Tzu-Hung Cheng. The anti-oxidative effect of propofol on angiotensin-II induced apoptosis in neonatal rat cardiomyocytes. *Journal of Heart Diseases* 7(1):88A, 2010. (SCI)
21. Yuk-Man Leung, Kar-Lok Wong, Chia-Huei Lin, Chia-Chia Chao, Chun-Hsiao Chou, Li-Yun Chang, Shao-Wei Chan, Tzu-Hung Cheng, Yue-Hsiung Kuo. Dependence of 6beta-acetoxy-7alpha-hydroxyroyleanone block of Kv1.2 channels on C-type inactivation. *Cellular and Molecular Life Sciences* 67(Jan) :147-156, 2010. (SCI)
22. Dah-Yuu Lu, Yuk-Man Leung, Ssu-Ming Huang, Kar-Lok Wong*. (*Correspondence Author) Bradykinin-induced cell migration and COX-2 production mediated by the bradykinin B1 receptor in glioma cells. *Journal of Cellular Biochemistry* 110(1)(May):141-50,2010. (SCI)
23. Tzu-Hung Cheng, Yuk-Man Leung, Chi-Wai Cheung, Cheng-Hsien Chen, Yen-Ling Chen, Kar-Lok Wong* (*Correspondence Author) Propofol depresses angiotensin II-induced cell proliferation in rat cardiac fibroblasts. *Anesthesiology* 112(Jan) : 108-118, 2010. (SCI) (Impact Factor 5.879, JCR-ANESTHESIOLOGY - Ranking 1/29)

24. Yuk-Man Leung, Y.H. Kuo, Chia-Chia Chao, Chun-Hsiao Chou, Y.H. Tsou, Chia-Huei Lin, Kar-Lok Wong. (*Correspondence Author). Osthonol is a Use-dependent Blocker of Voltage-gated Na⁺ Channels in Mouse Neuroblastoma N2A Cells. *Planta Medica* 76(1)(Jan) : 34-40, 2010. (SCI)
25. Hung-Hsing Chao , Cheng-Hsien Chen, Ju-Chi Liu, Jia-Wei Lin, Kar-Lok Wong, Tzu-Hung Cheng. I-Carnitine attenuates angiotensin II-induced proliferation of cardiac fibroblasts: role of NADPH oxidase inhibition and decreased sphingosine-1-phosphate generation. *Journal of nutritional biochemistry*. 21(7)July : 580-588, 2010. (SCI)
26. Dah-Yuu Lu, Chih-Hsin Tang, Wei-Lan Yeh, Kar-Lok Wong, Chih-Peng Lin, Yi-Hung Chen, Chih-Ho Lai, Yuh-Fung Chen, Yuk-Man Leung, Wen-Mei Fu. SDF-1alpha up-regulates interleukin-6 through CXCR4, PI3K/Akt, ERK, and NF-kappaB-dependent pathway in microglia. *European Journal of Pharmacology* 613(1-3)(June): 146-154, 2009. (SCI)
27. Dah-Yuu Lu, Wei-Hsuan Yu, Wei-Lan Yeh, Chih-Hsin Tang, Yuk-Man Leung, Kar-Lok Wong, Yuh-Fung Chen, Chih-Ho Lai, Wen-Mei Fu. Hypoxia-induced matrix metalloproteinase-13 expression in astrocytes enhances permeability of brain endothelial cells. *Journal of Cellular Physiology* 220(1) Jul : 163-173, 2009. (SCI)
28. Tz-Hung Cheng, Jin-Jer Chen, Cheng-Hsien Chen, Kar-Lok Wong*. (*Correspondence Author) Effects of propofol on cyclic strain-induced endothelin-1 expression in human umbilical vein endothelial cells. *Anesthesiology* 110(Jan) : 74-80, 2009. (SCI) (Impact Factor 5.879, JCR-ANESTHESIOLOGY - Ranking 1/29)
29. Yi-Ying Chiang, Yu-Cheng Liu, Kar-Lok Wong, Rick SC Wu. Cold sensitivity test cannot eliminate epidural catheter misplacement-minimal perception current measurement as a novel technology to quantitatively evaluate an epidural blockade. *Chinese Journal of Pain* 19(1):35-41, 2009. (SCI)
30. Edmund C So, Ying-Hui Chen, Kar-Lok Wong, Paul Poon, Bu-Minn Huang. A new mask designed for patients implanted with a nasogastric tube. *Medical engineering and physics* 30(Oct). 1020-1023, 2008. (SCI)
31. Kar-Lok Wong, King-Chuen Wu, Rick Sai-Chuen Wu, Yu-Hsiang Chou, Tz-Hung Cheng, Lin, Hong-Jye Hong. Tetramethylpyrazine inhibits angiotensin-II increased NAD(P)H oxidase activity and subsequent proliferation in rat aortic smooth muscle cells. *American Journal of Chinese Medicine* 35(Dec):1021-35,2007. (SCI) (Impact Factor 2.959, JCR-Integrative & Complementary Medicine) - Ranking 3/24)
32. Yue-Chern Liu, Kuen-Bao Chen, Yang-Chi Thang, Chih-Jen Hung, Chia-Sheng Chang, Kar-Lok Wong, Rick Sai-Chuen Wu. Syndrome of inappropriate antidiuretic hormone secretion and diabetes insipidus in an infant following surgery. *Acta Anesthesiologists Taiwanica* 45(2)Jun : 121-125 , 2007. (SCI)
33. Kar-Lok Wong, Edmund C So, Chia-Chen Chen, Rick Sai-Chuen Wu, Bu-Minn Huang. Regulation of steroidogenesis by cordyceps sinensis mycelium extracted fraction with(HCG) treatment in mouse leydig cells. *Archives of Andrology* 53(2)Sept: 75-77,2007. (SCI)
34. Kar-Lok Wong, Jia-Wei Lin, Ju-Chi Liu, Hung-Yu Yang, Pei-Feng Kao, Cheng-Hsien Chen, Shih-Hung Loh, Wen-Ta Chiu, Tz-Hung Cheng, Jaung_Geng Lin, Hong-Jye Hong. Antiproliferative effect of isosteviol on angiotensin II-treated rat aortic smooth muscle cells. *Pharmacology* 76(4)Apr:163-169, 2006. (SCI)
35. Ying-Hui Chen, Kar-Lok Wong, Ja-Ping Shieh, Yin-Ching Chuang, Yang-Yi-Chueh, Edmund Cheung So. Use of condom as blade covers during laryngoscopy, a method to reduce possible cross infection among patients. *Journal of infection* 52(Feb): 118-123, 2006. (SCI)
36. Kuen-Bao Chen, Bih-Chern Chang, Chih-Jen Hung, Chia-Sheng Chang, Kar-Lok Wong, Rick Sai-Chuen Wu. Gangrene change in bilateral lower legs---a case report for uncommon complication of pediatric femoral central venous catheterization. *Taiwan Critical Care Medicine* 7: 48-51,2005.
37. Kar-Lok Wong, Hung-Hsing Chao, Paul Chan, I-Ping Chang, Chi-Feng Liu. Antioxidant activity of ganoderma lucidum in acute ethanol-induced heart toxicity. *Phytotherapy Research* 18: 1024-1026, 2004. (SCI)

38. Kar-Lok Wong, Hung-Yu Yang, Paul Chan, Tz-Hurng Cheng, Ju-Chi Liu, Feng-Lin Hsu, I-MIn Liu, Yu-Wan Cheng, Juei-Tang Cheng. Isosteviol as a potassium channel opener to lower intracellular calcium concentration in cultured aortic smooth muscle cells. *Planta Medica* 70: 108-112,2004. (SCI)
39. Kar-Lok Wong, Hung-Yu Yang, Paul Chan, Tz-Hurng Cheng, Ju-Chi Liu, Feng-Lin Hsu, I-MIn Liu, Yu-Wan Cheng. Isosteviol act on potassium channel to relax isolated aortic strips of wistar rats. *Life Sciences* 74:2379-2387,2004. (SCI)
40. Kuen-Bao Chen, Shiouh-Yi Chen, Bih-Chern Chang, Kar-Lok Wong, Rick Sai-Chuen Wu. Down regulation of c-fos and c-jun expression in chronic meperidine-treated patients. *Mid-Taiwan Journal of Medicine* 9: 155-160,2004.
41. Kar-Lok Wong, Paul Chan, Wei-Chan Huang, Tzyy-Lin Yang, I-MIn Liu, Tung-Yuan Lai, Chin-Chuan Tsai, Juei-Tang Cheng. Effect of tetramethylpyrazine on potassium channels to lower calcium concentration in cultured aortic smooth muscle cells. *Clinical and Experimental Pharmacology and Physiology* 30(Oct):793-798,2003. (SCI)
42. Paul Chan, Kar-Lok Wong, I-MIn Liu, Thing-Fong Tzeng, Tzu-Liu Yang, Juei-Tang Cheng. Antihyperglycemic action of angiotensin-II receptor antagonist, valsartan, in streptozotocin-induced diabetic rats. *Journal of Hypertension* 21(Apr):761-769,2003. (SCI)
43. Chang-Cha Tsai, Tung-Yuan Lai, I-MIn Liu, Kar-Lok Wong, Paul Chan, Juei-Tang Cheng. Tetramethylpyrazine as a potassium channel opener to lower intracellular calcium concentration in cultured aortic smooth muscle cells. *Planta Medica* 69: 557-558,2003. (SCI)
44. King-Chuen Wu, Rick Sai-Chuen Wu, Kar-Lok Wong, Kin-Shing Poon, Chia-Chen Chen, Si-Tung Fung, Cheng Hung Chun. A clinical anesthesia information management system constructed by using microsoft access-a preliminary study. *Mid-Taiwan Journal of Medicine* 8:317-326,2003.
45. Chih-Fu Lin, Kar-Lok Wong, Rick Sai-Chuen Wu, Tian-Chyuan Huang, Chi-Feng Liu. (*Correspondence Author). Protection by hot water extract of panax notoginseng on chronic ethanol-induced hepatotoxicity. *Phytotherapy Research* 17(Nov):1119-1122,2003. (SCI)
46. Kuo-Hua Wu, Tien-Tien Man, Kar-Lok Wong, Chih-Fu Lin, Chien-Chuan Chen, Ching-Rong Cheng. Bronchoscopy and anesthesia for preschool age patients: a review of 170 cases. *International Surgery* 87(Dec): 252-255,2002. (SCI)
47. Edmund C So, Kar-Lok Wong, Tian-Chyuan Huang, Sheng-Chun Tsai, Chi-Feng Liu. Tetramethylpyrazine protects mice against thioacetamide-induced acute hepatotoxicity. *Journal of Biomedical Science* 9:410-414, 2002. (SCI)
48. Tien-Tien Man, Jen-Kun Cheng, Kar-Lok Wong, Chien-Chuan Chen, Ruey-Horng Rau, Kuo-Hwa Wu, Ching-Rong Cheng. Tracheal intubation condition—a comparison between one minute after rocuronium alone, one minute after rocuronium combined with atracurium and one minute after atracurium with rocuronium at one minute priming interval. *Acta Anesthesiologica Sinica*. Vol. 40(Dec): 179-184, 2002. (MI)
49. Chun-Nin Lee, Kar-Lok Wong, Yung-Ho Su, Yi-Jen Chen, Juei-Tang Cheng, Paul Chan. Inhibitory effect of stevioside on calcium influx to produce antihypertension. *Planta Medica* 67: 1-4, 2001 (SCI)
50. Ruey-Horng Rau, Yeong-Woei Hsu, Chun-Jen Huang, Kar-Lok Wong, et al. Post dural puncture headache with 18-gauge touhy needles: report of 42 cases. *The Chinese Journal of Pain* Vol.9: 55-60, 1999.
51. Chih-Fu Lin, Kar-Lok Wong*, Yin-Lun Chan, Jinn-MIng Wang, Kuo-Hwa Wu, Tze-Taur Wei. (*Correspondence Author). Comparison of local infiltration of tenoxicam and intravenous tenoxicam for post operative analgesia in herniorrhaphy. *Acta Anesthesiologica Sinica* Vol 36: 23-30, 1998. (MI)

52. Ruey-Horng Rau, Ying-Lun Chan, Hon-I Chuang, Chin-Rong Cheng, Kar-Lok Wong, Kuo-Hwa Wu, Tze-Taur Wei. Dyspnea resulting from phrenic nerve paralysis after interscalene orachial plexus block in an obese male –a case report. *Acta Anesthesiologica Sinica* Vol 35: 113-118, 1997. (MI)
53. Ren-Kuen Jen, Kar-Lok Wong*, Tze-Taur Wei. Cardiac arrest associated with bone cement-a case report and related risk factors. *J. Orthop. Surg. ROC.* 12: 352-355, 1995. (MI) (*Correspondence Author)
54. Kar-Lok Wong, Ping-Chun Hou. The accuracy of bioimpedance cardiography in the measurement of cardiac output in comparison with thermodilution method. *B J Anesthesiol* 72:A30,1994. (SCI) (Impact Factor 5.616, JCR-ANESTHESIOLOGY - Ranking 1/31)
55. Shou-Wei Hsu, Kar-Lok Wong*. Surgical patients' attitude toward anesthesia. *Acta Anaesthesiol Sin.* 32: 177, 1994. (MI). (*Correspondence Author)
56. Pei-Shan Tsai, Kar-Lok Wong*. Anesthetic management of intraoperatively diagnosed pheochromocytoma- a case report. *Acta Anaesthesiol Sin.* 31: 267, 1993. (MI) (*Correspondence Author)
57. Yuh-Jun Hong, Chih-Fu Lin, Janne-Chun Chen, Kar-Lok Wong, Tze-Taur Wei. Nifedipine in preeclampsia for cesarean section. *Acta Anaesthesiol Sin.* : 31: 43, 1993. (MI)
58. Ta-Chin Lin, Wee-Leong Sia, Kar-Lok Wong. Successful survival from massive air-embolism and circulatory arrest during cardio-pulmonary bypass. *Acta Anaesthesiol Sin.* : 30: 265, 1992. (MI)
59. Long-Hua Hu, Jane-Chu Chen, Yi Lee, Koon-Bo Lai, Kar-Lok Wong et al. Intramuscular meperidine for the prevention of shivering in spinal anesthesia. *Acta Anaesthesiol Sin.* 30: 223, 1992. (MI)
60. Kar-Lok Wong, Kin-Fai Sit et al. Is rotine preanesthetic hemoglobin test necessary in minor pediatric surgery ? *Acta Anaesthesiol Sin.* 30: 163, 1992. (MI) (*Correspondence Author)
61. Chi-Shing Wong, Kar-Lok Wong. Central venous catheterisation : guide wire was retained in the patient. *Acta Anaesthesiol Sin.* 30: 55, 1992. (MI) (*Correspondence Author)
62. Jen-Yang Chuan, Hon-I Chuan, Ze-Fu Lin, Kar-Lok Wong et al. Clinical experience of chemical hypophysectomy for the treatment of cancer pain. *The Chinese Journal of Pain* 1 : 93, 1991. (MI)
63. Yi Lee, MIn-Chi Tung, Long-Hua Who, Koon-Bo Lai, Kar-Lok Wong et al. The effect of epidural anesthesia on tourniquet pain : a comparison of 2% lidocaine and 0.5% bupivacaine. *Acta Anaesthesiol Sin.* 28: 459, 1990. (MI)
64. Yi Lee, Tze-Taur Wei, Kar-Lok Wong et al. Does flumazenil antagonize the anesthetic effect of ketamine, etomidate or thiopental ? *Acta Anaesthesiol Sin.* 28: 443, 1990. (MI)
65. Ho-I Chuang, Kar-Lok Wong et al. Anesthesia considerations in complete obstruction of major veins of upper trunk – report of two cases. *Acta Anaesthesiol Sin.* 27 : 385, 1989. (MI)
66. Julie Lim, Kar-Lok Wong. Anesthesia for scleroderma. *Anesth. Sinica.* 27: 197, 1989. (MI) (*Correspondence Author)
67. Chau-Ling Yang, Kar-Lok Wong et al. Pulmonary lavage for alveolar proteinosis. *Anesth. Sinica.* 27: 55, 1989. (MI) (*Correspondence Author)
68. Kin-Fai Sit, Kar-Lok Wong , Chang-Tan Wang. Alternative antegrade method for endotracheal-tube replacement. *Anesth. Sinica.* 26: 417, 1988. (MI)
69. Kin-Fai Sit, Chen-Tan Wang, Kar-Lok Wong et al. Anesthesia in apert's syndrome - report of 2 cases. *Anesth. Sinica.* 26: 341, 1988. (MI)
70. Kar-Lok Wong, Yuan-Chiu Chen. Congenital esophageal atresia and tracheoesophageal fistula combine with dextrocardia-a case report and review. *Anesth. Sinica.* 25: 157, 1987. (MI) (*Correspondence Author)

71. Kar-Lok Wong, Peter P.C. Tan. Comparison of the cardiac effects of naloxone administration after fentanyl and halothane anesthesia. *Anesth. Sinica* 24: 79, 1986. (MI) (***Correspondence Author**)
72. Leung Ho-Kang, Wong Kar-Lok. Comparison of hyperbaric and isobaric bupivacaine for spinal anesthesia. *Anesth. Sinica*. 23: 193, 1985.(MI)

RECENT RESEARCH SUPPORT

1. Grant from ministry of science and technology (Taiwan) - MOST105-2320-B-039-028 (Principal Investigator, PI)
2. Grant from ministry of science and technology (Taiwan) - MOST-104-2320-B-039-013 (PI)
3. Grant from ministry of science and technology (Taiwan) - MOST-103-2320-B-039-015 (PI)
4. Grant from ministry of science and technology (Taiwan) - MOST-103-2320-B-039-035 (co-PI)
5. Grant from National science council (Taiwan) - NSC-102-2320-B-039-034-015 (PI)
6. Grant from National science council (Taiwan) - NSC- 102-2320-B-039-034 (co-PI)
7. Grant from National science council (Taiwan) - NSC- 101-2320-B-039-030-MY2 - (PI)
8. Grant from National science council (Taiwan) - NSC- 99-2320-B-039-027-MY2 - (PI)
9. Grant from National science council (Taiwan) - NSC- 96-2320-B-039-030-MY3 (PI)
10. Grant from National science council (Taiwan) - NSC- 96-2320-B-039-030-MY2 (co-PI)
11. Grant from National science council (Taiwan) - NSC- 96-2320-B-039-009-MY2 (co-PI)
12. Grant from National science council (Taiwan) - NSC- 95-2320-B-039-039 - (PI)
13. Grant from National science council (Taiwan) - NSC- 95-2320-B-039-038 - (co-PI)
14. Grant from National science council (Taiwan) - NSC- 94-2320-B-039-039 (PI)
15. Grant from National science council (Taiwan) - NSC- 91-2314-B-039-015 (co-PI)
16. Grant from China Medical University Hospital, Taiwan 2017 - DMR 106-089 (PI)
17. Grant from China Medical University Hospital, Taiwan 2017 - DMR 106-086 (co-PI)
18. Grant from China Medical University Hospital, Taiwan 2016- DMR 105-069 (PI)
19. Grant from China Medical University Hospital, Taiwan 2016- DMR 105-068 (co-PI)
20. Grant from China Medical University Hospital, Taiwan 2015 - DMR 104-064 (PI)
21. Grant from China Medical University Hospital, Taiwan 2015 - DMR 104-066 (co-PI)
22. Grant from China Medical University Hospital, Taiwan 2014 - DMR 103-037 (PI)
23. Grant from China Medical University Hospital, Taiwan 2013 - DMR 102-060 (PI)
24. Grant from China Medical University Hospital, Taiwan 2012 - DMR 101-079 (PI)
25. Grant from China Medical University Hospital, Taiwan 2011 - DMR 101-103 (PI)
26. Grant from China Medical University Hospital, Taiwan 2004 - DMR 93-038 (PI)
27. Chi-Mei-National Cheung Kung University Grant 2012 - (奇美成大院際研究計畫)CMNCKU-10101(co-PI)
28. Chi-Mei-National Cheung Kung University Grant 2012 - (奇美成大院際研究計畫)CMNCKU-09903 (co-PI)
29. Chi-Mei-Foundation Memorial Hospital Research Grant - #C0362; 2003 - (PI)
30. Taipei Mackay Memorial Hospital Research Grant – #9029; 2003 - (PI)
31. Taipei Mackay Memorial Hospital Research Grant – 9015; 2003 - (PI)
32. Taipei Mackay Memorial Hospital Research Grant – #9005; 2002 - (PI)
33. Taipei Mackay Memorial Hospital Research Grant – #8924; 2002 - (PI)