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1.學歷 Educational

School of Medicine, National Yang-Ming University 國立陽明大學醫學系畢

2.經歷 Experience

Attending of Anesthesiology Taipei Veterans General Hospital

臺北榮總麻醉部主治醫師

Assistant Prof. of National Yang-Ming University 國立陽明大學助理教授

Clinical fellow of Children's hospital of Philadelphia

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Clinical fellow of Berlin Heart Center

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3.研究方向 Research Interests

1. 藥物對於心肌缺血再灌注傷害的心臟保護作用機轉 Cardioprotective mechanism of compound on myocardial ischemia/reperfusion injury
2. 藥物對於大腦缺血再灌注傷害的神經保護作用機轉 Neuroprotective mechanism of compound on brain ischemia and reperfusion injury
3. 經食道心臟超音波 Transesophageal echocardiography
4. 兒童心臟麻醉 Anesthesia of Congenital heart disease

4.研究著作 Publications

1. Chuang CC, Lee CC, Liao SW, Ting CK, Chu CC, Chan KH, Lin SM. Successful removal of a potentially lethal left atrial thrombus detected by transesophageal echocardiography following the removal of a left ventricular assist device inflow cannula. *J Chin Med Assoc.* 2012 Oct;75(10):543-6.
2. Teng WN, Su YP, Kuo IT, Lin SM, Tsou MY, Chan KH, Ting CK. Patient controlled epidural analgesia for bilateral versus unilateral total knee arthroplasty: a retrospective study of pain control. *J Chin Med Assoc.* 2012 Mar;75(3):114-20.
3. Lin JF, Wu S, Huang SS, Lu BY, Lin SM, Tsai SK. Resveratrol protects left ventricle by increasing adenylate kinase and isocitrate dehydrogenase activities in rats with myocardial infarction. *Chin J Physiol.* 2011 Dec 31;54(6):406-12.
4. Wu HL, Tsou MY, Chao PW, Lin SM, Chan KH, Chang KY. Evaluation of the relationships between intravenous patient-controlled analgesia settings and morphine requirements among patients after lumbar spine surgery. *Acta Anaesthesiol Taiwan.* 2010 Jun;48(2):75-9.

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6. Lin JF, Lin SM, Chih CL, Nien MW, Su HH, Hu BR, Huang SS, Tsai SK. Resveratrol reduces infarct size and improves ventricular function after myocardial ischemia in rats. *Life Sci.* 2008 Aug 29;83(9-10):313-7.
7. Yen CR, Tsou MY, Lin SM, Chan KH, Chu YC. Thoracic epidural anesthesia for a polymyositis patient undergoing awake mini-thoracotomy and unroofing of a huge pulmonary bulla. *Acta Anaesthesiol Taiwan.* 2008 Mar;46(1):42-5.
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10. Lee Lin, Lin SM, Chao YH, Chu CC. Persistent Systemic Air Embolism and Delayed Pulmonary Hemorrhage after Weaning from Cardiopulmonary Bypass-A Case Report 5(1). *Acta Anaesthesiol Taiwan* 2007 Mar; 4
11. Chiou CS, Lin SM, Lin SP, Chang WG, Chan KH, Ting CK. Clindamycin- induced anaphylactic shock during general anesthesia. *J Chin Med Assoc.* 2006 Nov;69(11):549-51.
12. Chang KY, Chang WK, Chang WL, Lin SM, Chan KH, Sung CS, Tsou MY. Comparison of intravenous patient-controlled analgesia with buprenorphine versus morphine after lumbar spinal fusion--a prospective randomized clinical trial. *Acta Anaesthesiol Taiwan.* 2006 Sep;44(3):153-9.
13. Chu YC, Lin SM, Hsieh YC, Chan KH, Tsou MY. Intraoperative administration of tramadol for postoperative nurse-controlled analgesia resulted in earlier awakening and less sedation than morphine in children after cardiac surgery. *Anesth Analg.* 2006 Jun;102(6):1668-73.
14. Tsai SK, Lin SM, Chen KY, Chang WK, Wong ZC, Hwang B. Pseudoaneurysm of mitral valve due to severe aortic valve regurgitation. *Echocardiography.* 2006 Apr;23(4):344-5. No abstract available.
15. Wang JK, Lin SM, Tsai SK, Liu CM, Chang YY, Chen JA. echocardiography for recurrent aorto-left ventricular tunnel: transcatheter closure with an Amplatzer duct occluder. *Echocardiography.* 2006 Mar;23(3):258-9. No abstract available.

16. Tsai SK, Lin MJ, Liao PH, Yang CY, Lin SM, Liu SM, Lin RH, Chih CL, Huang SS. Caffeic acid phenethyl ester ameliorates cerebral infarction in rats subjected to focal cerebral ischemia. *Life Sci.* 2006 May 1;78(23):2758-62. Epub 2005 Nov 21.
17. Chang YY, Chang CI, Wang MJ, Lin SM, Chen YS, Tsai SK, Lue HC. The safe use of intraoperative transesophageal echocardiography in the management of total anomalous pulmonary venous connection in newborns and infants: a case series. *Paediatr Anaesth.* 2005 Nov;15(11):939-43.
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21. Cheng H, Huang SS, Lin SM, Lin MJ, Chu YC, Chih CL, Tsai MJ, Lin HC, Huang WC, Tsai SK. The neuroprotective effect of glial cell line-derived neurotrophic factor in fibrin glue against chronic focal cerebral ischemia in conscious rats. *Brain Res.* 2005 Feb 1;1033(1):28-33.
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25. Tsai SK, Lin SM, W.C. Hung, M.S. Mok, C.L. Chih, S.S. Huang The effect of desflurane on ameliorating cerebral infarction in rats subjected to focal cerebral ischemia-reperfusion injury. *Life Sciences* 74:2541-9, 2004
26. Kao SC. ,Ting CK, Cheng KW, Lin SM, Chu YC, Chan KH, Tsai SK, Desflurane used in a patient with congenital insensitivity to pain with anhidrosis during septic shock. *Journal of Chinese Medical*

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28. Lin SM, Tsai SK, J.K. Wang, Y.Y. Han, W.H. Jean, Y.C. Yen Supplementing Transesophageal Echocardiography with Transthoracic Echocardiography for Monitoring Transcatheter Closure of Atrial Septal Defects with Attenuated Anterior Rim: A Case Series. Anesthesia & Analgesia 96:1584-8, 2003
29. Kao MC, Lin SM, Yu YS., Y. C. Huang, Ting CK., Tsai SK, Knotted Continuous Cardiac Output Thermodilution Catheter Diagnosed by Intraoperative Transoesophageal Echocardiography. British Journal of Anaesthesia 91:451-2, 2003
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