

Yin-Yi Han

Email: noviahan@gmail.com

Specialty :

Surgery, Intensive care medicine, Anesthesiology, Traumatology, Palliative care

Present Position :

2011/04~ Director of trauma intensive care unit, National Taiwan University Hospital

2004/08~ Visiting staff, Trauma department of National Taiwan University Hospital

Main University Degree :

2006 PHD candidate

2005- Graduate Institute of Electrical engineering, National Taiwan University, Taiwan

1987-1994 MD, Kaushiong Medical University, Taiwan

Post-Graduate Clinical Training :

1999/9~2002/7 Residency at Anesthesia department of National Taiwan University Hospital

1994/7~1999/8 Residency at Surgical department of National Taiwan University Hospital

Previous Appointment :

2014/10~ Director of Society of Society of Emergency & Critical Care Medicine, Taiwan

2014/03~ Supervisor of Formosa Association for the Surgery of Trauma

2012/10~2014/10 Standing supervisor of Society of Emergency & Critical Care Medicine, Taiwan

2007/11~2013/10 Director of Taiwan Society of Critical Care Medicine

2006/11~2013/10 Director of Society of Emergency & Critical Care Medicine, Taiwan

2004/11~2006/10 Vice secretary of Society of Emergency & Critical Care Medicine, Taiwan

2003/09~2004/07 Director of surgical critical care division of surgery department of Tao Yuan General Hospital

2002/08~2003/09 Director of anesthesia department of I-Lan General Hospital

Medical License :

2006 License of Trauma

2004 License of Hospice and Palliative Medicine

2002 License of Anesthesiologist

1999 License of Critical Medicine

1998 License of Surgery

1994 Medical license

Certificate of Advanced Cardiopulmonary Life Support

Certificate of Advanced Trauma Life Support

Professional Association Membership :

1. Member of Surgical Association, Taiwan
2. Member of Taiwan Society of Anesthesia
3. Member of Society of Emergency & Critical Care Medicine, Taiwan
4. Member of Taiwan Society of Critical Care Medicine
5. Member of Taiwan Society of Trauma
6. Member of Taiwan Academy of Hospice and Palliative Medicine
7. Member of Taiwan Society for Parenteral and Enteral Nutrition

Referral papers :

1. CK Wei, YY Han, SC Yu, WJ Lee: Laparoscopic wedge resection of gastric leiomyoma. *Formosan Journal of Surgery*. 1996;29:336-339
2. YY Han, CI Chang, WJ Ko: Pulmonary hemorrhage as a complication of extracorporeal membrane oxygenation support for post-cardiotomy heart failure. *Formosan Journal of Surgery*. 1999;32:224-228
3. YS Chen , MJ Wang, NK Chou, YY Han, IS Chiu, FY Lin, SH Chu, WJ Ko: Rescue for acute myocarditis with shock by extracorporeal membrane oxygenation. *Annals of Thoracic Surgery*. 1999;68(6):2220-2224
4. JH Hsieh, YS Chen, YY Han, CH Hsieh, CI Chang, WJ Ko: Use of extracorporeal membrane oxygenation to rescue a child with acute respiratory distress syndrome. *Journal of the Formosan Medical Association*. 2000;99(3):257-260
5. PC Hsieh, SS Wang, WJ Ko, YY Han, SH Chu: Successful resuscitation of acute massive pulmonary embolism with extracorporeal membrane oxygenation and open embolectomy. *Annals of Thoracic Surgery*. 2001;72(1):266-267
6. YY Han, WZ Sun: An evidence-based review on the use of corticosteroids in peri-operative and critical care. *Acta Anaesthesiologica Taiwanica*. 2002;40(2):71-79.
7. YY Han, YJ Cheng, WW Liao, WJ Ko, SK Tsai: Delayed diagnosis of esophageal perforation following intraoperative transesophageal echocardiography during valvular replacement--a case report. *Acta Anaesthesiologica Taiwanica*. 2003;41(2):81-84
8. SM Lin, SK Tsai, JK Wang, YY Han, WH Jean, YC Yeh: Supplementing transesophageal echocardiography with transthoracic echocardiography for monitoring transcatheter closure of atrial septal defects with attenuated anterior rim: a case series. *Anesthesia and Analgesia*. 2003;96(6):1584-1588
9. YY Han, HC Lu, HJ Tsai, SS Hseu , KH Chan, SK Tsai: The analgesic effect of oral morphine or

- pentazocine for extracorporeal shock wave lithotripsy. *Acta Anaesthesiologica Taiwanica*. 2003;41(1):27-32.
10. RG Yeh, JS Shieh, **YY Han**, YJ Wang, SC Tseng: Detrended fluctuation analyses of short-term heart rate variability in surgical intensive care units. *Biomedical Engineering - Applications, Basis and Communications*. 2006;8(2): 67-72
 11. SJ Huang, YS Chen, WC Hong, **YY Han**, LM Lien, MC Kao, YK Tu: Clinical experience of hydroxyethyl starch(10% HES 200/0.5) in cerebral perfusion pressure protocol for severe head injury. *Surgical Neurology*. 2006;66(Suppl 2):S26-S31
 12. SC Huang, WJ Ko, **YY Han**, YS Chen, SS Wang, YC Lee: Mechanical circulatory support for profound cardiac circulatory shock status due to postoperative pulmonary artery bleeding. *Journal of Thoracic & Cardiovascular Surgery*. 2006;54(3):214-215
 13. SJ Huang, L Chang, **YY Han**, YK Tu: Efficacy and Safety of Hypertonic Saline Solutions in the Treatment of Severe Head Injury. *Surgical Neurology*. 2006;65(6):539-546
 14. SJ Huang, WC Hong, **YY Han**, Y Chen, CS Wen, YS Tsan, YK Tu: Clinical outcome of severe head injury in different protocol-driven therapy. *Journal of Clinical Neuroscience*. 2006;13(8):818-822
 15. RG Yeh, **YY Han**, JS Shieh, YJ Wang, SC Tseng, YC Fu: Nonrandomness index applied for heart rate variability in surgical intensive care units using frequency and rank order statistics. *Biomedical Engineering: Applications, Basis and Communications*. 2007;19(5):303-311
 16. SJ Huang, WC Hong, **YY Han**, YS Chen, CS Wen, YS Tsan, YK Tu: Clinical outcome of severe head injury in different protocol-driven therapies. *Journal of Clinical Neuroscience*. 2007;14(5):449-454
 17. **YY Han**, JR Yeh, YW Liu, SJ Shieh: A new approach of spontaneous baroreflex sensitivity based on detrended fluctuation analysis: methodology and an application. *International Journal of Mathematics and Computers in Simulation*. 2007;1(4):368-372
 18. CC Chang, SW Kuo, HH Hsu, **YY Han**, YC Lee: Neglected esophageal injury presenting with spontaneously shrunken retroesophageal pocket. *Journal of the Formosan Medical Association*. 2008;107(9):741-4
 19. PM Huang, **YY Han**, SW Kuo, YC Lee: Color Doppler ultrasonography in detecting transdiaphragmatic flow of hepatic hydrothorax: Correlation with thoracoscopic findings. *Journal of Thoracic & Cardiovascular Surgery*. 2009; 138: 1251-1252
 20. YC Chang, CH Wang, **YY Han**, WJ Ko, YC Lee: Case Report-- Successful treatment of traumatic coronary artery dissection with angiographic stenting *American Journal of Emergency*

Medicine 2010; 28, 113.e1–113.e4

21. WR Chuang, JR Yeh, LK Chen, **YY Han**, JS Shieh: Investigation of the effects of continuous low-dose epidural analgesia on the autonomic nervous system using Hilbert Huang Transform. *Journal of Healthcare Engineering* ·2010; 1(1):13–25
22. VC Wu, HB Tsai, YC Yeh, TM Huang, YF Lin, NK Chou, YS Chen, **YY Han**, A Chou, YH Lin, MS Wu, SL Lin, YM Chen, PR Tsai, WJ Ko, KD Wu; NSARF Study Group: Patients supported by extracorporeal membrane oxygenation and acute dialysis: acute physiology and chronic health evaluation score in predicting hospital mortality. *Artificial Organs*. 2010; 34(10):828-35
23. Q Liua, X Cuia, MF. Abbod, SJ Huang, **YY Han**, JS Shiehe: Brain death prediction based on ensembled artificial neural networks in neurosurgical intensive care unit. *Journal of the Taiwan Institute of Chemical Engineers* 2011; 42(1):97-107.
24. JY Jan, SY Lin, CH Lin, CN Lee, SZ Fan, **YY Han**: Recombinant Activated Factor VII as Promising Adjuvant for Treatment of Postpartum Haemorrhage in Practice of Obstetric Anaesthesia: Experience from a University Hospital in Taiwan. *J. Obstet. Gynaecol.Res.* 2011; 37(7): 901–907
25. MF Abbod, KY Cheng, XR Cui, SJ Huang, **YY Han**, JS Shieh: Ensembled neural networks for brain death prediction for patients with severe head injury. *Biomedical Signal Processing and Control*. 2011;6: 414– 421
26. YH Chou, TM Huang, VC Wu, CY Wang, CC Shiao, CF Lai, HB Tsai, CT Chao, GH Young, WJ Wang, TW Kao, SL Lin, **YY Han**, A Chou, TH Lin, YW Yang, YM Chen, PR Tsai, YF Lin, JW Huang, WC Chiang, NK Chou, WJ Ko, KD Wu, TJ Tsai and the NSARF Study Group. Impact of timing of renal replacement therapy initiation on outcome of septic acute kidney injury *Critical Care* 2011;15:R134
27. SH Chen, WJ Ko, JH Hsieh, SZ Fan, **YY Han**. Rescue of systemic reperfusion injury during arm replantation by extracorporeal membrane oxygenation. *Taiwan Crit. Care Med.* 2011;12 (**SCI**)
28. VC Wu, CF Lai, CC Shiao, YF Lin, PC Wu, CT Chao, FC Hu, TM Huang, YC Yeh, IJ Tsai, TW Kao, **YY Han**, WC Wu, CC Hou, GH Young, WJ Ko, TJ Tsai, KD Wu. Effect of diuretic use on 30-day postdialysis mortality in critically ill patients receiving acute dialysis. *PLoS One* 2012;7(3):e30836
29. CF Lai, VC Wu, TM Huang, YC Yeh, KC Wang, **YY Han**, YF Lin, YJ Jhuang, CT Chao, CC Shiao, PR Tsai, FC Hu, NK Chou, WJ Ko, KD Wu and The NSARF Group: Kidney function decline after a non-dialysis-requiring acute kidney injury is associated with higher long-term mortality in critically ill survivors. *Critical Care* 2012;16(4):R123
30. VC Wu, TM Huang, PC Wu, WJ Wang, CT Chao, SY Yang, CC Shiao, FC Hu, CF Lai, YF Lin, **YY Han**, YS Chen, RB Hsu, GH Young, SS Wang, PR Tsai, YM Chen, TT Chao, WJ Ko, KD Wu, and the NSARF Group: Preoperative proteinuria is associated with long-term progression to chronic

dialysis and mortality after coronary artery bypass grafting surgery. *PLoS One* 2012;7(1):e27687

31. **YY Han**, SL Lai, WJ Ko, CH Chou, HS Lai: Effects of fish oil on inflammatory modulation in surgical intensive care unit patients. *Nutr Clin Pract.* 2012;27:91-98
32. CT Ko, **YY Han**, CH Chen, JS, and MJ Chen, "Enormous plasmonic enhancement and suppressed quenching of luminescence from nanoscale ZnO films by uniformly-dispersed atomic-layer-deposited platinum with optimized spacer thickness. *Journal of Physical Chemistry* 2013; C 117, 26204–26212,
33. CT Ko, **YY Han**, WC Wang, J Shieh, MJ Chen: Enhancement of light emission from silicon by precisely tuning coupled localized surface plasmon resonance of a nanostructured platinum layer prepared by atomic layer deposition. *ACS Appl. Mater. Interfaces* 2014; 6:4179–4185