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重要經歷:	美國猶他州立大學博士後研究及醫學工程進修 美國科羅拉多大學活體肝臟移植麻醉進修 美國華盛頓大學超音波神經阻斷進修 國立陽明大學醫學系麻醉學科教授 台灣麻醉醫學會 監事 台灣心胸麻醉醫學會 副秘書長
研究方向: (關鍵詞)	1. Pharmacodynamic drug interaction model 2. Depth of anesthesia 3. AI guided Closed Loop Anesthesia
五年內 **代表**著作:	1. Patient-centered modeling of dynamic postoperative pain trajectories. J Chin Med Assoc. 2020 May;83(5):423-424. 2. Enhanced recovery after surgery: Prediction for early extubation in video-assisted thoracic surgery using a response surface model in anesthesia. J Formos Med Assoc. 2019 Oct;118(10):1450-1457. 3. Opioid and propofol pharmacodynamics modeling during brain mapping in awake craniotomy. J Chin Med Assoc. 2019 May;82(5):390-395. 4. Drug interaction is the cornerstone of modern anesthesia practice. Minerva Anestesiol. 2019 Mar;85(3):223-225. 5. Optically Guided Epidural Needle Placement Using 405-nm Wavelength for Accurate Puncture. Sci Rep. 2019 Feb 7;9(1):1552. 6. Plasma concentration based response surface model predict better than effect-site concentration based model for wake-up time during gastrointestinal endoscopy sedation. J Formos Med Assoc. 2019 Jan;118(1 Pt 2):291-298 7. Double Assurance of Epidural Space Detection Using Fiberoptics-Based Needle Design and Autofluorescence Technologies for Epidural Blockade in Painless Labor. Sensors (Basel) 2018 Oct. 8. Intelligent epidural needle placement using fiber-probe optical coherence tomography in a piglet model . Biomedical Optics Express, 9(8): 3711. 2018, Aug 9. Efficiency of oxygen delivery through different oxygen entrainment devices during sedation under low oxygen flow rate: a bench study. J Clin Monit Comput. 2018 Jun;32(3):519-525.

10. Oral capnography is more effective than nasal capnography during sedative upper gastrointestinal endoscopy. J Clin Monit Comput. 2018 Apr;32(2):321-326.
11. Eyes on the needle: identification and confirmation of the epidural space. Asian J Anesthesiol 2017 Jun;55(2):30-34.
12. A previously published propofol-remifentanil response surface model does not predict patient response well in video-assisted thoracic surgery. Medicine (Baltimore). 2017 May;96(19):e6895.
13. In vivo images of the epidural space with two- and three-dimensional optical coherence tomography in a porcine model. PLoS One. 2017 Feb 14;12(2):e0172149.
14. A desflurane and fentanyl dosing regimen for wake-up testing during scoliosis surgery: Implications for the time-course of emergence from anesthesia J Formos Med Assoc. 2017 Aug;116(8):606-612.
15. Accuracy of CO_2 monitoring via nasal cannulas and oral bite blocks during sedation for esophagogastroduodenoscopy. J Clin Monit Comput. 2016 Apr;30(2):169-73
16. A Response Surface Model Exploration of Dosing Strategies in Gastrointestinal Endoscopies Using Midazolam and Opioids. Medicine (Baltimore). 2016 Jun;95(23):e3520. 10.1097/MD.0000000000003520. PubMed PMID: 27281065.
17. Predicting postoperative vomiting among orthopedic patients receiving patient-controlled epidural analgesia using SVM and LR. Sci Rep. 2016 Jun 1;6:27041.
18. Predicting the Best Fit: A Comparison of Response Surface Models for Midazolam and Alfentanil Sedation in Procedures with Varying Stimulation. Anesth Analg. 123(2):299-308. 2016 Aug
19. Wen-Chuan Kuo, Meng-Chun Kao, Kuang-Yi Chang, Wei-Nung Teng, Mei-Yung Tsou, Yin Chang, Chien-Kun Ting. Fiber-needle Swept-source Optical Coherence Tomography System for the Identification of the Epidural Space in Piglets. Anesthesiology, 122(3):585-94.

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	2. 鄧惟濃/醫師
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*本表敬請精要填寫，<u>內容限二頁內</u>。