Hong Liu, M.D.

Philosophy of Care	I treat my patients the same way I want to be treated.
Clinical Interests	Dr. Liu provides general and cardiothoracic and vascular anesthesia for high-risk patients and surgeries.
Research/Academic Interests	Dr. Liu has engaged in basic and clinical research for more than 30 years. His primary research areas include myocardial ischemia/reperfusion injury, perioperative hemodynamic monitoring and high-risk surgery outcomes.
Title	Professor Acting Vice Chair for Research
Specialty	Anesthesiology
Department	Anesthesiology and Pain Medicine
Division	Cardiovascular and Thoracic Anesthesia
Clinic	UC Davis Heart Center
Address/Phone	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 **Phone:** 916-734-5031
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Languages	Chinese
Education	M.D., Nanjing Medical College, Nanjing, China 1987 Medicine, Suzhou Medical College, Suzhou, China 1982
Internships	Surgery, New York Medical College/St. Vincent Hospital, New York NY 1996-1997
Residency	Anesthesiology, UC Davis Medical Center, Sacramento CA 1997-2000
Fellowships	Cardiothoracic and Vascular Anesthesia, UC Davis Medical Center, Sacramento CA 2000-2001
Board Certifications	American Board of Anesthesiology, 2010 Medical Board of California, 2006 National Board of Echocardiography, Perioperative Transesophageal Echocardiography, 2014
Professional Memberships	American Medical Association (AMA)

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American Society of Anesthesiologists
American Society of Echocardiography
Association of University Anesthesiologists
California Medical Association
California Society of Anesthesiologists
Chinese American Medical Association of California
International Chinese Academy of Anesthesiology
Sierra Sacramento Valley Medical Society (SSMS)
Society of Cardiothoracic Anesthesiologists
Society of Chinese American Physician Entrepreneurs
World Association of Chinese Anesthesiologists
World Association of Chinese Doctors (WACD)

Honors and Awards

Top Doctor, Sacramento Magazine, 2017
Guest Professor, Sun-yet Sen University, China, 2015
Guest Professor of Nanjing Medical University, China, 2010
Guest Professor of Soochow University, China, 2009
California Society of Anesthesiologists (CSA) Resident Research Award: Third Place, 1998
National Institutes of Health (NIH) Postdoctoral Research Fellowship, 1995

Select Recent Publications

Deng L, Lei S, Wang X, Jiang F, Lubarsky DA, Zhang L, Liu D, Han C, Zhou D, Wang Z, Sun X, Zhang Y, Cheung CW, Wang S, Xia Z, Applegate RL, Tang J, Mai Z, Liu H, Xia Z. Course of illness and outcomes in older COVID-19 patients treated with HFNC: a retrospective analysis. Aging (Albany NY). 2021 Jun 28;13(12):15801-15814. doi:10.18632/aging.203224. Epub 2021 Jun 28. PMID:34182540.

Peng K, Shen YP, Ying YY, Kiaii B, Rodriguez V, Boyd D, Applegate RL 2nd, Lubarsky DA, Zhang Z, Xia Z, Feng XM, Yang JP, Liu H, Ji FH. Perioperative dexmedetomidine and 5-year survival in patients undergoing cardiac surgery. Br J Anaesth. 2021 May 31:S0007-0912(21)00274-9. doi: 1016/j.bja.2021.03.040. Epub ahead of print. PMID:34082896.

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Li D, Shirakawa N, Liu H. Embolic protection device, the next advancement in TAVR?. J Geriatr Cardiol. 2020;17(3):160163. doi:10.11909/j.issn.1671-5411.2020.03.010. PMID:32280333.

Yang L, Tautz T, Zhang S, Fomina A and Liu H. The current status of malignant hyperthermia research and diagnosis. J Biomed Res. 2020;34(2):75-85. PMID:32305961.

Meng L, Qiu H, Wan L, Ai Y, Xue Z, Guo Q, Deshpande R, Zhang L, Meng J, Tong C, Liu H, Xiong L. Intubation and Ventilation amid the COVID-19 Outbreak: Wuhan's Experience. Anesthesiology. 2020 Jun;132(6):1317-1332. doi:10.1097/ALN.0000000000003296. PMID:32195705.

Pan W, Liu G, Li T, Sun Q, Jiang M, Liu G, Ma J, Liu H. Dexmedetomidine combined with ropivacaine in ultrasound guided tranversus abdominis plane block improves postoperative analgesia and recovery following laparoscopic colectomy. Experimental and Therapeutic Medicine. 2020;19(4):2535-42. PMID:32256732.

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