



Hong Liu, M.D.

Clinical Interests	I provide general and cardiac anesthesia. I have been engaged in basic and clinical research for more than 20 years. My primary research areas include myocardial ischemia/reperfusion injury, pre- and post-conditioning in myocardial protection and high-risk surgery outcomes.
Title	Professor Director of Clinical Anesthesia Research
Specialty	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
Department	Anesthesiology
Division	Cardiovascular and Thoracic Anesthesia
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Languages	Chinese (Mandarin)
Education	M.D., Nanjing Medical College, Jiangso, China 1987
Internships	Surgery, St. Vincent Hospital and Medical Center, New York NY 1996-1997
Residency	Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 1997-2000
Fellowships	Cardia Anesthesiology, UC Davis Medical Center, Sacramento CA 2000-2001
Board Certifications	American Board of Anesthesiology, 2011 Medical Board of California, 2008 National Board of Echocardiography, Perioperative Transesophageal Echocardiography, 2014
Professional Memberships	American Medical Association American Society of Anesthesiologists American Society of Echocardiography Association of University Anesthesiologists California Society of Anesthesiologists International Chinese Academy of Anesthesiology



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Society of Cardiovascular Anesthesiologists

Honors and Awards

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

Geng J, Qian J, Cheng H, Ji F, Liu H. The influence of perioperative dexmedetomidine on the patients undergoing cardiac surgery: a meta-analysis. PLOS ONE. 2016 Apr 6;11(4):e0152829.

Sun J and Liu H. Perioperative Aspirin and Clonidine and Risk of Acute Kidney Injury. JAMA. 2015;313(11):1166.

Judge O, Ji F, Fleming N and Liu H. The Current Use of Pulmonary Artery Catheter for Hemodynamic Monitoring in Cardiac Surgery: a Survey from Members of Society of Cardiovascular Anesthesiologists. J Cardiothorac Vasc Anesth. 2015, 29(1);69-75.

Yao L, Young N, Liu H, Li Z, Sun W, Goldhammer J, Tao L, He J, Diehl J and Sun J. Evidence for preoperative aspirin improving major outcomes in patients with chronic kidney disease undergoing cardiac surgery, a cohort study. Ann Surg. 2015 Jan;261(1):207-12.

Ji F, Li J, Fleming N, Rose D and Liu H. Reliability of a new 4th generation FloTrac algorithm to track cardiac output changes in patients receiving phenylephrine. J Clin Monit Comput. 2014 Sep 30. [Epub ahead of print]

Ji F, Li Z, Young N, Moore P and Liu H. Does Really Perioperative Dexmedetomidine Improve Mortality After Coronary Artery Bypass Surgery? J Cardiothorac Vasc Anesth.. 2014 Oct;28(5):e47-8.



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Ji F, Li Z, Young N, Moore P and Liu H. Perioperative dexmedetomidine improves mortality in patients undergoing coronary artery bypass surgery. *J Cardiothorac Vasc Anesth.* 2014 Apr;28(2): 267-73.

Ji F, Li Z, Young N, Yeranossian A and Liu H. Post-bypass dexmedetomidine use and postoperative acute kidney injury in patients undergoing cardiac surgery with cardiopulmonary bypass. *PloS ONE.* 2013 Oct;8(10): e77446.

Ji F, Li Z, Nguyen H, Young N, Shi P, Fleming N and Liu H. Perioperative Dexmedetomidine Improves Outcomes of Cardiac Surgery. *Circulation.* 2013 Apr 16; 127(15):1576-84

Shi P, Li Z, Young N, Ji F, Wang Y, Moore P and Liu H. The Effects of Preoperative Renin-Angiotensin System Inhibitors on Outcomes in Patients Undergoing Cardiac Surgery. *J Cardiothorac Vasc Anesth.* 2013; 27(4): 703-709.

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