

# UC Davis Medical Group Directory

Your guide to primary and specialty health-care providers



Patient information and  
appointment assistance:

800-2-UCDAVIS  
(800-282-3284)



Provider referral and  
transfer assistance:

800-4-UCDAVIS  
(800-482-3284)



**UCDAVIS**  
MEDICAL GROUP

[medicalgroup.ucdavis.edu](http://medicalgroup.ucdavis.edu)

**UC Davis Medical Group** offers nationally renowned primary care and specialty expertise based at UC Davis Medical Center and multiple medical offices across the greater Sacramento region. Medical group physicians, nurse practitioners and clinical nurse specialists emphasize wellness and prevention, apply the latest knowledge to solve health problems and offer access to promising clinical trials, newly proven therapies and advanced technologies when needed.

#### FOR PATIENTS

##### **Find a UC Davis physician, nurse practitioner or clinical nurse specialist**

Consumer Resource Center: **800-2-UCDAVIS (800-282-3284)**

- General information about available providers and services
- Assistance with appointments and referrals
- Information about accepted insurance plans

Established UC Davis patients can also use the MyChart web-based portal to communicate with their care teams, request certain appointments and refills, access medical records and more.

#### FOR HEALTH PROFESSIONALS

##### **Outpatient referrals and provider phone consultations**

UC Davis Physician Referral Center: **800-4-UCDAVIS (800-482-3284) Option #2** Monday | Friday, 8 a.m. to 5 p.m. Or online (non-urgent) requests via [referrals.ucdavis.edu](http://referrals.ucdavis.edu)

- Information about availability of specialty services
- Coordination and status of referrals to specialty services
- Assistance for provider-to-provider phone consultations with specialists

##### **Acute interfacility transfers and after-hours consultations**

24/7 Transfer Center: **800-4-UCDAVIS (800-482-3284)**

- Round-the-clock, R.N.-led coordination of acute interfacility transfers
- After-hours coordination of emergent provider-to-provider telephone consultations for complex or unusual cases
- transfer requests evaluated based upon clinical urgency, availability of resources and other factors

Referring physicians can receive real-time access to test results and clinical information for their patients at UC Davis through the PhysicianConnect online electronic medical record.

# Robin J. Aldwinckle, M.D.

<b>Title</b>	Associate Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	House Ofcr-Gen Surgery/Gynecology, Queens Medical Centre, Nottingham, UK 1995 Sr. House Ofcr-A&E, Tauranga Hospital, Tauranga, New Zealand 1997 Sr. House Ofcr-Acute Specialties, Wellington Hospital, Wellington, New Zealand 1996 House Ofcr-General Medicine, Treliiske Hospital, Truro, UK 1995 M.B.B.S., University of Nottingham, Nottingham, UK 1994
<b>Internships</b>	Medical Sr. House Ofcr, Poole General Hospital/Joyce Green Hospital, Dartford, UK 1997-1998
<b>Residency</b>	Anesthesia, Musgrove Park Hospital, Tauton, UK 1998-2000
<b>Fellowships</b>	Locum, Derriford Hospital, Plymouth, UK 2000 Neonatology/Pediatrics, Musgrove Park Hospital, Tauton, UK 2000-2001
<b>Board Certifications</b>	CA Medical Board, License Royal College of Anaesthetists, UK
<b>Select Recent Publications</b>	Aldwinckle, RJ, Montgomery, JE. Unplanned admission rates and postdischarge complications in patients over the age of 70 following day case surgery. <i>Anaesthesia</i> . 2004;59(1): 57-9.  Aldwinckle, RJ, Carr, AS. The anesthetic management of a patient with Emery-Dreifuss muscular dystrophy for orthopedic surgery. <i>Canadian Journal of Anaesthesia = Journal Canadien d'Anesthésie</i> . 2002;49(5): 467-70.

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## Amir Amini, M.D.

Amir Amini welcomes LGBT patients.

**Title** Assistant Professor

**Specialty** Anesthesiology

**Department** [Anesthesiology](#)

**Division** General Anesthesiology

**Address/Phone** Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817  
**Phone:** 916-734-5028

**Additional Phone** Phone: 916-734-5031  
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Languages** Farsi

**Education** M.D., Meharry Medical College, Nashville TN 2007  
B.A., UC Berkeley, Berkeley CA 2002

**Residency** General Surgery, UC Davis Medical Center, Sacramento CA 2007-2011  
Anesthesiology, UC Davis Medical Center, Sacramento CA 2011-2014

**Professional Memberships** American Society of Anesthesiologists

**Select Recent Publications** Baker, A.C., Green, T.L., Chew, V.W., Tung, K., Amini, A., Lim, D., Cho, K., and Greenhalgh, D. G. Enhanced Steroid Response of a Human Glucocorticoid Receptor Splice Variant. Shock. 2012; 38(1):11-7.

Tung, K., Amini, A., Baker, A.C., Green, T.L., Chew, V.W., Lim, D., Nguyen, S.T., Yee, K.S., Cho, K., and Greenhalgh, D.G. Novel Hyperactive Glucocorticoid Receptor Isoform Identified within a Human Population. Shock. 2011;36:339-344.

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## Dua Massey Anderson, M.D., M.S.

Dua Massey Anderson welcomes LGBT patients.

### Philosophy of Care

In my practice, excellence in care is the goal in every single patient encounter. It is so important to communicate well with patients, families, and colleagues to give the safest and most comfortable experience possible.

I am honored to work with members of UC Davis Medical Center and Children's Hospital to give such amazing focus to our most precious patients.

### Clinical Interests

Dr. Anderson has strong interests in Pediatric Anesthesiology and Congenital Cardiac patients and procedures. She is also passionate about academic practice, both in terms of clinical teaching as well as clinical research.

### Research/Academic Interests

Dr. Anderson's research interests include Congenital Cardiac Anesthesia, intraoperative transfusion practices, and resident education. She also contributes to Quality and Safety Initiatives within clinical practice.

**Title** Associate Physician Diplomate

**Specialty** Anesthesiology, Pediatric Anesthesiology

**Department** [Anesthesiology](#)

**Division** Pediatric Anesthesiology

**Center/Program Affiliation** [UC Davis Children's Hospital](#)

Trauma Program

**Address/Phone** UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817

**Phone:** 800-2-UCDAVIS (800-282-3284)

**Additional Phone** Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Education** M.D., UC Davis School of Medicine, Sacramento CA 2008

M.S., Molecular Biology, California State University, Sacramento CA 2001

Clinical Research - Division of Pain Medicine, UC Davis Medical Center, Sacramento CA 2001-2003

B.A., UC Berkeley, Berkeley CA 1999

**Internships** Internal Medicine, UC Davis Medical Center, Sacramento CA 2008-2009





## Dua Massey Anderson, M.D., M.S.

- Residency** Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 2009-2013
- Fellowships** Pediatric Anesthesiology, UC Davis Medical Center, Sacramento CA 2013-2014
- Board Certifications** Advanced Cardiac Life Support  
American Board of Anesthesiology  
Pediatric Advanced Life Support
- Professional Memberships** American Society of Anesthesiologists  
Congenital Cardiac Anesthesia Society  
Society for Pediatric Anesthesia
- Honors and Awards** American Academy of Pediatrics John J. Downes Resident Research Award, Society for Pediatric Anesthesia, 2011  
The Honor Society of Phi Kappa Phi, California State University, Sacramento, 2001
- Select Recent Publications** Lee, S and Anderson, DM. Otolaryngology In AD Kaye (Ed.), Essentials of Pediatric Anesthesiology. New York, NY: Cambridge University. 2014.

Dhamrait, RS, Anderson, DM. Postoperative hypoxemia in the neonate with stridor – a rare cardiac anomaly. PBLD, Society for Pediatric Anesthesia. 2013.

Anderson DM, James W, Moore P, Lammers C. Fresh Gas Flow Effect on Provider Volatile Gas Exposure. Society for Pediatric Anesthesia. 2011.

Anderson DM, Hall LL, Ayyalapu AR, Irion VR, Nantz MH, Hecker JG. Stability of mRNA/cationic lipid lipoplexes in human and rat cerebrospinal fluid: methods and evidence for nonviral mRNA gene delivery to the central nervous system. Hum Gene Ther. 2003 Feb 10;14(3):191-202.

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## Richard L. Applegate, M.D.

Richard L. Applegate welcomes LGBT patients.

<b>Title</b>	Professor and Chair, Department of Anesthesiology and Pain Medicine
<b>Specialty</b>	Anesthesiology
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Loma Linda University School of Medicine, Loma Linda CA 1982 B.S., Pacific Union College, Angwin CA 1978
<b>Internships</b>	Anesthesiology, Loma Linda University Medical Center, Loma Linda CA 1982-1983
<b>Residency</b>	Anesthesiology, Loma Linda University Medical Center, Loma Linda CA 1983-1985
<b>Fellowships</b>	Anesthesiology / Advanced Clinical Anesthesiology, Mayo Graduate School of Medicine, Rochester MN 1985-1986
<b>Board Certifications</b>	American Board of Anesthesiology, 1987 National Board of Echocardiography, Perioperative Transesophageal Echocardiography, 2011
<b>Professional Memberships</b>	Alpha Omega Alpha Medical Honor Society American Society of Anesthesiologists American Society of Echocardiography California Society of Anesthesiologists International Anesthesia Research Society Society of Cardiovascular Anesthesiologists
<b>Honors and Awards</b>	Best Abstract in Category, International Anesthesia Research Society, 2013 Best Abstract in Category, Society for Neuroscience in Anesthesiology and Critical Care, 2013 Best of Clinical Abstracts finalist; American Society of Anesthesiologists, 2012 Kosaka Award Finalist; International Anesthesia Research Society, 2007
<b>Select Recent Publications</b>	To view Dr. Applegate's publications, please <a href="#">click here</a> .



Richard L. Applegate, M.D.

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# Orode Badakhsh, M.D.

Orode Badakhsh welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology, Adult Cardiovascular Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Nebraska College of Medicine, Omaha NB 2008 B.S., Creighton University, Omaha NB 2001
<b>Internships</b>	Surgery, UC Davis Medical Center, Sacramento CA 2008-2009
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2009-2012
<b>Fellowships</b>	Cardiac Anesthesiology, UC Davis Medical Center, Sacramento CA 2012-2013
<b>Board Certifications</b>	American Board of Anesthesiology National Board of Echocardiography, Perioperative Transesophageal Echocardiography
<b>Honors and Awards</b>	Outstanding Teacher of the Year, 2013

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# Kristin Emily Bennett, D.O.

Kristin Emily Bennett welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	D.O., Midwestern University, Glendale AZ 2006 B.S., UC San Diego, La Jolla CA 2001
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2009-2012 General Surgery, University of Florida HSC, Jacksonville FL 2006-2008
<b>Fellowships</b>	Pain Medicine, UC Davis Medical Center, Sacramento CA 2012 Surgical Critical Care, University of Florida HSC, Jacksonville FL 2008-2009
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Osteopathic Association American Society of Anesthesiologists

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# Christian H. Bohringer, M.B.B.S.

Christian H. Bohringer welcomes LGBT patients.

<b>Philosophy of Care</b>	Dr. Bohringer aims for competent care with good patient outcomes.
<b>Clinical Interests</b>	Dr. Bohringer has clinical interests in cardiac anesthesia, intraoperative echocardiography, vascular anesthesia and thoracic anesthesia.
<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.B.B.S., University of New South Wales, New South Wales, 1990
<b>Internships</b>	St. Vincent's Hospital, Sydney, Australia, 1990-1992
<b>Residency</b>	Anaesthetic and Intensive Care registrar, Gosford Hospital, Sydney, Australia, 1993-1994 Intensive Care Registrar, John Hunter Hospital, Newcastle, Australia, 1994-1995 John Hunter Hospital/Mater Misericordiae Hospital, Newcastle, Australia, 1995-1997
<b>Fellowships</b>	Intensive Care, John Hunter Hospital, Newcastle, Australia, 1997-1998 Anaesthetic Registrar/Intensive Care, John Hunter Hospital, Newcastle, Australia, 1998-1999
<b>Board Certifications</b>	Board Certified, ICU and Anesthesia, Australia, 2000 National Board of Echocardiography, 2003
<b>Professional Memberships</b>	American Medical Association Australian College of Anaesthetists Australian College of Intensive Care Medicine California Society of Anesthesiologists
<b>Honors and Awards</b>	Outstanding Resident Teaching Award, Department of Anesthesiology and Pain Medicine, UC Davis Medical Center 2001, 2003

# Christian H. Bohringer, M.B.B.S.

## Select Recent Publications

Fleming N, Sisitki M, Bohringer CH: Anesthesia for Patients with Asthma, Gershwin ME, Albertson TE, (ed), *Bronchial Asthma: A Guide for Practical Understanding and Treatment*, 6th ed, Springer Science+Business Media, LLC, 345-59.

2003 Beckmann U, Bohringer C, Carless R, Gillies OM, Runciman WB, Wu AW, Pronovost P. Evaluation of two methods for quality improvement in intensive care: Facilitated incident monitoring and retrospective medical chart review. *Critical Care Medicine*, 31(4):1006-11 & 1277.

2002 Eandi JA, de Vere White RW, Tunuguntla HSGR, Bohringer CH, Evans CP. Can single dose preoperative intrathecal morphine sulfate provide cost-effective postoperative analgesia and patient satisfaction during radical prostatectomy in the current era of cost containment? *Prostate Cancer and Prostatic Diseases*, 5:226-30.

2000 Bohringer CH, JS Jahr, S Rowell and K Mayer. Severe hypotension in a patient receiving pemoline during general anesthesia, *Anesthesia and Analgesia*, 91:1131-3.

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# Catalin Cantemir, M.D.

Catalin Cantemir welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Medicine and Pharmacy, Carol Davila, Bucharest, Romania, 1996
<b>Internships</b>	Internal Medicine, Hospital of Saint Raphael, New Haven CT 2003-2004
<b>Residency</b>	OB/GYN, Saint Pantelimon Emergency Hospital, Bucharest, Romania 1997-1999 Anesthesiology, Yale University, New Haven CT 2004-2007
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Select Recent Publications</b>	Kaye AD, Chung KS, Vadivelu N, Cantemir C, Urman RD, Manchikanti L. Opioid induced hyperalgesia altered with propofol infusion. Pain physician. 2014;17(2): E225-8.

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## Cristina Chandler, M.D.

Cristina Chandler welcomes LGBT patients.

### Philosophy of Care

Dr. Chandler has pledged to be part of a team that practices integrity, accountability, and respect. She strives to provide the highest standards of compassionate care to all her patients, particularly with respect to open communication and alleviating patient concerns.

### Clinical Interests

Dr. Chandler's clinical interests include OB anesthesia and acute pain medicine, with particular emphasis on the management of high risk patients and the factors impacting anesthesia plans. Dr. Chandler is also committed to the training and medical education of anesthesia residents and medical students.

**Title** Assistant Clinical Professor

**Specialty** Anesthesiology

**Division** General Anesthesiology

**Address/Phone** UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817  
**Phone:** 800-2-UCDAVIS (800-282-3284)

**Languages** French, Romanian

**Education** M.D., Carol Davila University of Medicine, Bucharest, Romania 1995

**Internships** Surgery and Internal Medicine, University Hospital, Bucharest, Romania 1995-1996

**Residency** Anesthesia and Intensive Care, University Hospital, Bucharest, Romania 1996-1998  
Anesthesia and Intensive Care, Far East Rand Hospital, Johannesburg, S. Africa 1998-2001

**Board Certifications** American Board of Anesthesiology  
Romanian Board of Physicians, 2004  
Royal College of Anaesthetists, UK, 2009  
South African College of Physicians, 2004

**Professional Memberships** American Society of Anesthesiologists  
California Society of Anesthesiologists  
College of Physicians, Romania  
College of Physicians, South Africa  
Royal College of Anaesthetists, UK





Cristina Chandler, M.D.

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# Julianna Clark-Wronski, M.D.

Julianna Clark-Wronski welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Texas Medical Branch, Galveston TX 2008 B.A., University of St. Thomas, Houston TX 1996 B.A., University of Texas, Austin TX 1998
<b>Internships</b>	Clinical Base, Advocate Illinois Masonic Medical Center, Chicago IL 2008-2009
<b>Residency</b>	Anesthesiology, Advocate Illinois Masonic Medical Center, Chicago IL 2009-2012
<b>Fellowships</b>	Pediatric Anesthesiology, UC Davis Medical Center, Sacramento CA 2013
<b>Board Certifications</b>	American Board of Anesthesiology American Board of Anesthesiology - Pediatric Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiologists Illinois Society of Anesthesiologists

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## David J. Copenhaver, M.D., M.P.H.

<b>Philosophy of Care</b>	Cancer Pain Management and Supportive Care - Using all means necessary to reduce pain, improve function and the quality of our patient's lives.
<b>Clinical Interests</b>	Cancer Pain Management and Supportive Care Pain Medicine Education and Telementoring - Improving pain care across the state of California and beyond through the use of technology.
<b>Research/Academic Interests</b>	<p>Dr David Copenhaver is a board certified anesthesiologist and pain medicine specialist and faculty in the Anesthesiology and Pain Medicine at UC Davis Health Center.</p> <p>Dr. Copenhaver is the director of Cancer Pain Management and Supportive Care Program in addition to the Pain Medicine Telehealth program at UC Davis.</p> <p>Dr. Copenhaver has research interests in health services administration, pain medicine education, responsible opioid management, targeted drug delivery, and the applied use of stem cells in the setting of intervertebral disc disease.</p> <p>Copenhaver completed his undergraduate degrees in Neuroscience, Physiology and Behavior at UC Davis. He subsequently went on to UCLA to complete his medical school education and a master's degree in public health. Dr. Copenhaver completed his residency in Anesthesiology at Columbia University College of Physicians and Surgeons and his pain medicine fellowship at UC Davis.</p>
<b>Title</b>	Director of Cancer Pain Management & Supportive Care Director of Pain Tele-Health programs
<b>Specialty</b>	Anesthesiology, Pain Medicine, Interventional Pain Medicine, Palliative Care
<b>Division</b>	Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Comprehensive Cancer Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246
	UC Davis Comprehensive Cancer Center, 2279 45th Street Sacramento, CA 95817 <b>Phone:</b> 916-734-5959
<b>Additional Phone</b>	Fax: 916-734-6827 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	French, Spanish



## David J. Copenhaver, M.D., M.P.H.

- Education** M.D., David Geffen School of Medicine - UC Los Angeles, Los Angeles CA 2005  
M.P.H., Fielding School of Public Health UC Los Angeles, Los Angeles CA 2005  
B.S./B.A., UC Davis, Davis CA 1997/1998
- Internships** Internal Medicine, UC Los Angeles, Los Angeles CA 2005-2006
- Residency** Anesthesiology, Columbia-Presbyterian Hospital, Manhattan NY 2006-2009
- Fellowships** Pain Medicine, UC Davis Medical Center, Sacramento CA 2009-2010
- Board Certifications** American Board of Anesthesiology, 2010  
American Board of Anesthesiology, Pain Medicine, 2011
- Professional Memberships** American Society of Anesthesiology  
International Association for the Study of Pain
- Honors and Awards** Outstanding Teacher of the Year UC Davis Pain Medicine 2011-2014  
Gary Collins Fellow Teacher of the Year Award UC Davis, 2010
- Select Recent Publications** Calderon R, Copenhaver D. Buprenorphine for chronic pain. J Pain Palliat Care Pharmacother. 2013 Dec;27(4):402-5. . Epub 2013 Nov 18.
- Calderon R, Copenhaver D. Postdural puncture headache. J Pain Palliat Care Pharmacother. 2013 Dec;27(4):406-7. Epub 2013 Nov 18.
- Wettstein ZS, Fleming M, Chang AY, Copenhaver DJ, Wateska AR, Bartsch SM, Lee BY, Kulkarni RP. Total economic cost and burden of dengue in Nicaragua: 1996-2010. Am J Trop Med Hyg. 2012 Oct;87(4):616-22. Epub 2012 Aug 13.
- Chang AY, Parrales ME, Jimenez J, Sobieszczyk ME, Hammer SM, Copenhaver DJ, Kulkarni RP. Combining Google Earth and GIS mapping technologies in a dengue surveillance system for developing countries. Int J Health Geogr. 2009 Jul 23;8:49.
- Cheung SW, Bonham BH, Schreiner CE, Godey B, Copenhaver DA. Realignment of interaural

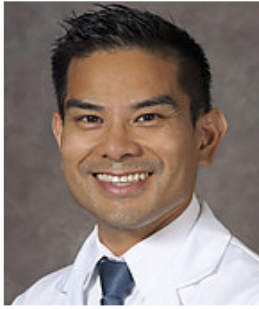


David J. Copenhaver, M.D., M.P.H.

cortical maps in asymmetric hearing loss. J Neurosci. 2009 May 27;29(21):7065-78.

Stayner RS, Copenhaver DJ. Opioids, pain management and the law. Curr Opin Anaesthesiol. 2012 Oct;25(5):566-71. Review.

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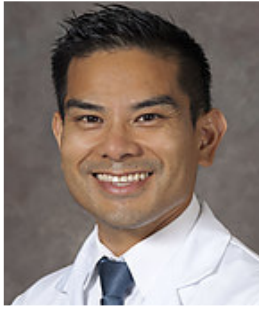


## Charles De Mesa, D.O., M.P.H.

Charles De Mesa welcomes LGBT patients.

<b>Philosophy of Care</b>	Holistic approach to treating patients with an emphasis on wellness recognizing the musculoskeletal system as a key element of health.
<b>Clinical Interests</b>	Dr. De Mesa's clinical interests include: Traditional intervention spine techniques, Ultrasound-guided pain interventions, Musculoskeletal Pain Medicine, and Manual Therapy.
<b>Research/Academic Interests</b>	Dr. De Mesa's research interests include: Dynamic neuromusculoskeletal ultrasound and compressive neuropathies such as neurogenic thoracic plexus pathology.
<b>Title</b>	Director of Pain Medicine Fellowship Director of Musculoskeletal Pain Medicine Assistant Professor Department of Anesthesiology and Pain Medicine
<b>Specialty</b>	Anesthesiology Pain Medicine, Physical Medicine and Rehabilitation, Musculoskeletal Pain Medicine
<b>Division</b>	Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">Spine Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246  Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816 <b>Phone:</b> 916-734-7463
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	D.O., A.T. Still University ? Kirksville College of Osteopathic Medicine, Kirksville MO 2010 M.P.H., Environmental and Occupational Health, University of Hawaii-Manoa, Honolulu HI 1999 B.S., Boston College, Chestnut Hill MA 1997
<b>Internships</b>	Maimonides Medical Center, Brooklyn NY 2010-2011
<b>Residency</b>	Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston TX 2010-2013 Chief Academic Resident- Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston TX 2013-2014
<b>Fellowships</b>	Pain Medicine, UC Davis Medical Center, Sacramento CA 2014-2015





## Charles De Mesa, D.O., M.P.H.

### Board Certifications

American Board of Physical Medicine and Rehabilitation  
American Board of Physical Medicine and Rehabilitation, Pain Medicine

### Professional Memberships

American Academy of Pain Medicine  
American Association of Physical Medicine and Rehabilitation  
American Medical Association  
American Osteopathic Association

### Honors and Awards

UC Davis Division of Pain Medicine Gary Collins, M.D. Memorial Fellow Teacher of the Year Award, 2015  
Oliver R. Smith, M.D. Award for Outstanding Resident, 2014  
Carlos Vallbona, M.D. Professionalism Award, 2014  
Baylor College of Medicine / University of Texas PMR Alliance Resident Teacher of the Year Award, 2014  
Drs Isabelle and Josephine Morelock Osteopathic Scholarship Award ATSU-KCOM, 2008  
Excellence Award, ATSU-KCOM Area Health Education Preventive Medicine and Community Service, 2007

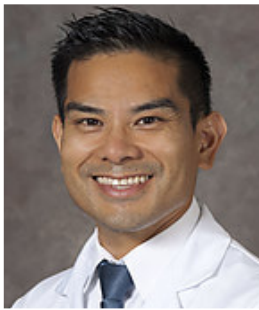
### Select Recent Publications

De Mesa C, Chu I, Furukawa K, Sheth S. Use of Continuous Femoral and Sciatic Nerve Catheters to Facilitate a Multidisciplinary Inpatient-Based Rehabilitation Plan in a Child with Lower Extremity Type 1 Complex Regional Pain Syndrome. *Am J Phys Med Rehabil.* 2015 Nov;94(11):e114-5.

De Mesa C, Crump ME, Anti-AMPA Receptor Limbic Encephalitis presenting with Ovarian Teratoma, Encephalopathy and Autonomic Instability-A Case Report. *PM&R Journal of Injury, Function and Rehabilitation.* 2013 Sept Vol 5, Issue 9, Pages S273-274.

De Mesa C, Amley, X, Lam, P, Seales, M, Kerstein, J. Mediastinitis following a routine dental procedure in a patient with history of cardiac surgery. *N A J Med Sci.* 2011;4(4):245-248.

Boyчук RB, De Mesa CJ, Kiyabu KM, Yamamoto F, Yamamoto LG, Sanderson R, Gartner B, Donovan R, Beckham S, Pang C, Fanucchi R, Chong V. Change in approach and delivery of medical care in children with asthma: results from a multicenter emergency department



## Charles De Mesa, D.O., M.P.H.

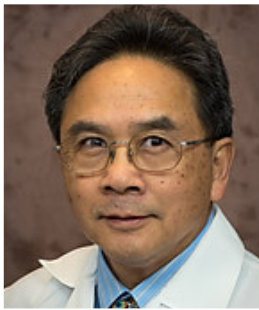
educational asthma management program. *Pediatrics*. 2006 Apr; 117(4Pt 2):S145-51.

De Mesa CJ, Pang CK, Kiyabu KM, Yamamoto FY, Sanderson RR, Gartner BM, Beckham S, Asuncion DA, Nekoba AC, Kitayama J, Teruya BY, Boychuk RB. Demographics and characteristics of wheezing/asthmatic children with repeat emergency department visits in O'ahu, Hawai'i. *Hawaii Med J*. 2006 Feb;65(2):40-5.

Humphries M, Salhan N, De Mesa C. Ultrasound-guided pectoralis minor muscle block to aid diagnosis of neurovascular pectoralis minor syndrome. *Society for Vascular Surgery*. 2016.

Humphries M, De Mesa C, Sheth S, Salhan N, Freischlag J. Ultrasound-guided Anesthetic or Botulinum Toxin Injection of the Anterior and Middle Scalene muscles to assist with diagnosis and treatment of neurogenic Thoracic Outlet Syndrome. *Society for Vascular Surgery*. 2016.

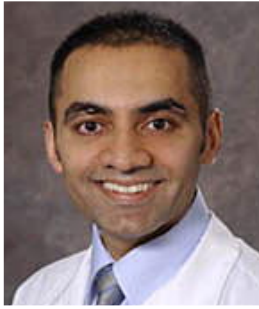
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## Herman DeVera, M.D., M.S.

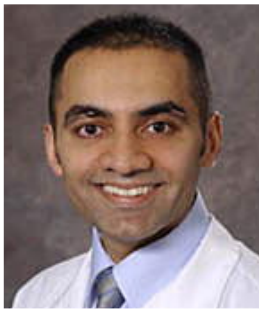
<b>Title</b>	Senior Associate Physician Diplomat
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Email</b>	<a href="mailto:hdevera@ucdavis.edu">hdevera@ucdavis.edu</a>
<b>Education</b>	M.D., Uniformed Services University of the Health Sciences, Bethesda MD 1980 M.S., Pharmacology, Hahnemann Medical College, Philadelphia PA 1974 B.S., University of Wisconsin, Oshkosh WI 1972
<b>Internships</b>	Anesthesiology, Walter Reed Army Medical Center, Washington DC
<b>Residency</b>	Anesthesiology, Walter Reed Army Medical Center, Washington DC
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiology International Anesthesia Research Society Regional Anesthesia and Pain Medicine

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## Rajvinder Dhamrait, B.M., F.C.A.R.C.S.I., F.R.C.A.

<b>Clinical Interests</b>	Dr. Dhamrait is the Director of Pediatric Anesthesiology in the Department of Anesthesiology and Pain Medicine and is the Medical Director of the Children's Surgery Center. He completed 7 years of anesthesia training in the UK, including a fellowship in pediatric anesthesia, and joined the department in 2006. He administers anesthesia to neonatal and pediatric patients scheduled to undergo a wide variety of surgical and radiological procedures at UC Davis Children's Hospital, including complex congenital cardiac surgery. Dr. Dhamrait is active in the training of pediatric anesthesia fellows, anesthesiology and pediatric residents, and medical students, and is active in clinical research. Dr Dhamrait also provides anesthesia services for adult patients.
<b>Title</b>	Associate Professor Director, Pediatric Anesthesiology
<b>Specialty</b>	Anesthesiology - Cardiovascular and Thoracic, Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-282-3284
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Punjabi
<b>Education</b>	B.M., University of Southampton, Southampton, Hampshire, 1994 B.Sc., University of Southampton, Southampton, Hampshire, 1994
<b>Internships</b>	University of Southampton, Southampton, Hampshire, 1994-1995
<b>Residency</b>	Portsmouth University Hospital, Portsmouth, Hampshire, 1995-1998 Portsmouth University Hospital, Portsmouth, Hampshire, 2000-2001 University of Southampton, Southampton, Hampshire, 1998-2000 University of Southampton, Southampton, Hampshire, 2001-2003
<b>Fellowships</b>	Great Ormond Street Hospital for Sick Children, London, England, 2003-2004



## Rajvinder Dhamrait, B.M., F.C.A.R.C.S.I., F.R.C.A.

### Board Certifications

College of Anaesthetists of the Royal College of Surgeons, Ireland , 2003  
Diploma in Child Health, Royal College of Paediatrics and Child Health, UK, 2001  
Royal College of Anaesthetists, UK, 2003

### Professional Memberships

American Society of Anesthesiologists  
California Society of Anesthesiologists  
Congenital Cardiac Anesthesia Society  
Royal College of Anaesthetists, UK  
Society of Pediatric Anesthesiologists

### Select Recent Publications

Dhamrait RS. Fasciotomy following intravenous fluid infiltration. *Pediatric Anesthesia*, 16(10): 1097, 2006.  
Way C, Dhamrait R, Wade A, Walker I. Perioperative fluid therapy in children: A survey of current prescribing practice. *British Journal of Anaesthesia*, 97(3):371-9, 2006.  
Dhamrait RS. Airway obstruction following potassium permanganate ingestion. *Anaesthesia*, 58: 606, 2003.  
Dhamrait RS. Anaesthetic equipment ? Familiarity is comforting, but check it. *Anaesthesia*, 58:482, 2003.  
Dhamrait RS. Christmas trachys, *Anaesthesia*, 57:508, 2002.

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## Michael John Ferns, B.Sc.(Hons), Ph.D.

**Clinical Interests** My interest is in diseases of cholinergic neuromuscular and autonomic synapses, such as myasthenia gravis and congenital myasthenic syndrome. Our aim is to understand the pathological basis for these diseases at a molecular level and to define new therapeutic targets for the treatment of these disorders.

**Research/Academic Interests** My research interest is in understanding the cellular and molecular basis of synapse formation in the mammalian nervous system. Synapse formation is critical for the formation, maintenance and plasticity of the nervous system and perturbations in synaptic structure and function have been implicated in a range of neurological disorders.

My research focuses on cholinergic synapses that play critical roles in the functioning of both the peripheral and central nervous systems. Our main aims are (1) to define the extracellular synaptogenic factors that regulate the formation and maintenance of neuromuscular and neuronal autonomic synapses in the PNS; (2) to define the intracellular mechanisms that regulate the trafficking and localization of nicotinic acetylcholine receptors at these synapses; and (3) to establish how defects in synapse formation or receptor localization contribute to neurological diseases such as myasthenia gravis and congenital myasthenic syndromes. This includes collaborative studies with clinician-scientists at UC Davis.

**Title** Professor

**Department** [Anesthesiology](#)  
[Physiology and Membrane Biology](#)

**Address/Phone** Tupper Hall, Department of Physiology and Membrane Biology, Tupper Hall, Rm 4218 One Shields Ave. Davis, CA 95616

**Additional Phone** Phone: 530-754-4973

**Email** [mjferns@ucdavis.edu](mailto:mjferns@ucdavis.edu)

**Education** Ph.D., University of Western Australia, Perth, Crawley, 1988  
B.Sc., University of Otago, Dunedin, 1983

**Select Recent Publications** Chang Rudell, J., Borges, LS., Rudell, JB., Beck, KA., and Ferns, MJ. Determinants in the beta and delta subunit cytoplasmic loop regulate Golgi trafficking and surface expression of the muscle acetylcholine receptor. *J Biol Chem.* 2014;289(1):203-214.





## Michael John Ferns, B.Sc.(Hons), Ph.D.

Rudell, JB., and Ferns, MJ. Regulation of muscle acetylcholine receptor turnover by beta subunit tyrosine phosphorylation. *Dev Neurobiol.* 2013;73(5):399-410.

Maselli, RA., Fernandez, JM., Arredondo, J., Navarro, C., Ngo, M., Beeson, D., Cagney, O., Williams, DC., Wollmann, RL., and Yarov-Yarovoy, V., and Ferns, M. LG2 agrin mutation causing severe congenital myasthenic syndrome mimics functional characteristics of non-neural (z-) agrin. *Human Genetics.* 2012;131(7): 1123-35.

Richman DP, Nishi K, Morell SW, Chang JM, Ferns MJ, Wollmann RL, Maselli RA, Schnier J, Agius MA. Acute Severe Animal Model of Anti-Muscle-Specific Kinase Myasthenia: Combined Postsynaptic and Presynaptic Changes. *Arch Neurol.* 2012;69(4): 453-60.

Lee Y, Rudell J, and Ferns M Rapsyn interacts with the muscle AChR via a-helical domains in the a, b, and e subunit intracellular loops. *Neuroscience.* 2009;163: 222-232.

Borges LS, Yechikhov S, Lee YI, Rudell JB, Friese MB, Burden SJ, Ferns MJ Identification of a motif in the acetylcholine receptor beta subunit whose phosphorylation regulates rapsyn association and postsynaptic receptor localization. *J Neurosci.* 2008;28:11468-11476.

Gingras, J., Rassadi, S., Cooper, E., and Ferns, M. Synaptic transmission is impaired at neuronal autonomic synapses in agrin null mice. *Dev Neurobiol.* 2007;67(5): 521-534.

Gingras, J., Rassadi, S., Cooper, E., and Ferns, M. Agrin plays an organizing role in the formation of sympathetic synapses. *J Cell Biol.* 2002;158(6): 1109-1118.

Borges, L., and Ferns, M. Agrin-induced phosphorylation of the acetylcholine receptor



## Michael John Ferns, B.Sc.(Hons), Ph.D.

regulates cytoskeletal anchoring and clustering. J Cell Biol. 2001;153: 1-11.

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## Scott Fishman, M.D.

<b>Clinical Interests</b>	Dr. Fishman is continuing his educational and research activities in chronic pain, cancer pain management, psychiatric issues of chronic illness and pain, neuropathic pain treatment strategies, and medical informatics.
<b>Title</b>	Chief of Pain Medicine Professor Vice Chair for Pain Medicine & Faculty Development
<b>Specialty</b>	Anesthesiology, Hospice and Palliative Medicine, Pain Medicine
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pain Medicine
<b>Clinic</b>	Pain Management Clinic
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Medical Group</a> <a href="#">Spine Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246  UC Davis Medical Group - Folsom, 1370 Prairie City Rd. Folsom, CA 95630 <b>Phone:</b> 916-985-9300
<b>Additional Phone</b>	Clinic Phone: 916-734-7246 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Massachusetts Medical School, Worcester, Massachusetts, 1990 B.A., Hampshire College, Amherst, Massachusetts, 1981
<b>Internships</b>	Greenwich Hospital, Yale University, New Haven, Connecticut, 1992
<b>Residency</b>	Greenwich Hospital, Yale University, New Haven, Connecticut, 1992 Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, 1996
<b>Fellowships</b>	Massachusetts General Hospital, Harvard Medical School, Cambridge, Massachusetts, 1995
<b>Board Certifications</b>	American Board of Internal Medicine, 2005 American Board of Pain Medicine



## Scott Fishman, M.D.

American Board of Psychiatry and Neurology, 2010

American Board of Psychiatry and Neurology, 2010

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## Neal Wayne Fleming, M.D., Ph.D.

Neal Wayne Fleming welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Fleming has clinical interests in cardiovascular monitoring. His research interests are in neuromuscular physiology and pharmacology.
<b>Title</b>	Director, Cardiovascular and Thoracic Anesthesia Professor of Clinical Anesthesia
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5046 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Email</b>	<a href="mailto:nwfleming@ucdavis.edu">nwfleming@ucdavis.edu</a>
<b>Education</b>	M.D., University of Kansas School of Medicine, Kansas City KS 1981 Ph.D., Georgetown University, Washington DC 1989 B.A., Grinnell College, Grinnell IA 1977
<b>Residency</b>	Georgetown University School of Medicine, Washington DC 1982-1985
<b>Fellowships</b>	Georgetown University School of Medicine, Washington DC 1985-1986
<b>Board Certifications</b>	American Board of Anesthesiology, 1986 National Board of Echocardiography, 2003 National Board of Medical Examiners, 1983
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists Association of Anesthesia Clinical Directors (1997-1999) California Society of Anesthesiologists



## Neal Wayne Fleming, M.D., Ph.D.

### Select Recent Publications

International Anesthesia Research Society

International Trauma Anesthesia and Critical Care Society

Society of Cardiovascular Anesthesiologists

The comparison of stroke volume variation and arterial pressure-based cardiac output with standard hemodynamic measurements during cardiac surgery. 2010.

Judge O, Ji F, Fleming N, Liu H. Current use of the pulmonary artery catheter in cardiac surgery: a survey study. *J Cardiothorac Vasc Anesth.* 2015 Feb;29(1):69-75.

Santosa CM, Rose DD, Fleming NW. The Utility of 3D Left Atrial Volume and Mitral Flow Velocities as Guides for Acute Volume Resuscitation. *Biomed Res Int.* 2015;2015:697327.

Ji F, Li J, Fleming N, Rose D, Liu H. Reliability of a new 4th generation FloTrac algorithm to track cardiac output changes in patients receiving phenylephrine. *J Clin Monit Comput.* 2015 Aug;29(4):467-73.

Ji F, Li Z, Nguyen H, Young N, Shi P, Fleming N, Liu H. Perioperative dexmedetomidine improves outcomes of cardiac surgery. *Circulation.* 2013 Apr 16;127(15):1576-84.

Zhong C, Fleming N, Lu X, Moore P, Liu H. Age-associated differences in gene expression in response to delayed anesthetic preconditioning. *Age (Dordr).* 2012 Dec;34(6):1459-72.

Kungys G, Rose O, Fleming NW. Stroke Volume Variation during Acute Normovolemic Hemodilution. *Anesth Analg.* 2009;Dec, 109(6):1823-30.

Deyhimy OI, Fleming NW, Brodtkin IG, Liu H. Anesthetic preconditioning combined with postconditioning offers no additional benefit over preconditioning or postconditioning alone.



## Neal Wayne Fleming, M.D., Ph.D.

Anesth Analg. 2007;105(2):316-24.

Lee HT, Hennig GW, Fleming NW, Keef KD, Spencer NJ, Ward SM, Sanders KM, Smith TK. The mechanism and spread of pacemaker activity through myenteric interstitial cells of Cajal in human small intestine. *Gastroenterology*. 2007;132(5):1852-65.

Lee HT, Hennig GW, Fleming NW, Keef KD, Spencer NJ, Ward SM, Sanders KM, Smith TK. Septal interstitial cells of Cajal conduct pacemaker activity to excite muscle bundles in human jejunum. *Gastroenterology*. 2007;133:907-17.

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# Marc R. Friedman, M.D.

Marc R. Friedman welcomes LGBT patients.

**Title** Assistant Professor

**Specialty** Anesthesiology

**Department** [Anesthesiology](#)

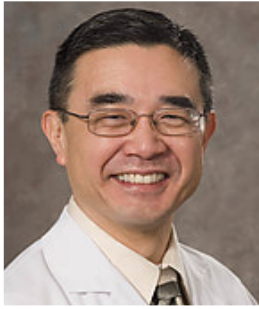
**Address/Phone** Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817  
**Phone:** 916-734-5028

**Additional Phone** Phone: 916-734-5031  
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Education** M.D., New York University School of Medicine, New York NY 1980

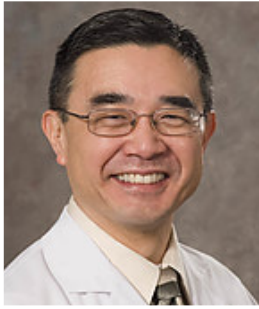
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## Kenneth Furukawa, M.D.

<b>Clinical Interests</b>	Dr. Furukawa specializes in pediatric anesthesiology, acute pain management including the perioperative period, and pediatric and adult chronic pain management. An area of interest is anesthesia and pain management of burned patients.
<b>Title</b>	Health Sciences Clinical Professor
<b>Specialty</b>	Anesthesiology, Pain Medicine, Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pain Medicine Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">Spine Center</a> <a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246  Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816 <b>Phone:</b> 916-734-7463
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Texas Medical Branch at Galveston, Galveston TX 1985 B.A., Pomona College, Claremont CA 1981
<b>Internships</b>	The University of Texas Medical Branch, Galveston TX 1986
<b>Residency</b>	The University of Texas Medical Branch, Galveston TX 1987 Walter Reed Army Medical Center, Washington, D.C. 1992
<b>Board Certifications</b>	American Board of Anesthesiology, 1993 American Board of Anesthesiology, Pain Medicine, 1998
<b>Professional Memberships</b>	American Burn Association American Medical Association American Society of Anesthesiologists and California Society of Anesthesiologists American Society of Regional Anesthesia and Pain Medicine California Medical Association



## Kenneth Furukawa, M.D.

### Honors and Awards

Sierra Sacramento Valley Medical Society  
Society for Pediatric Anesthesia  
Society for Pediatric Pain Medicine  
UC Davis Pain Management Center Teacher of the Year, 2008  
Meritorious Service Medal with 3 oak leaf clusters  
Army Commendation Medal with 5 oak leaf clusters  
North Atlantic Treaty Organisation (NATO) Service Ribbon, 1999  
Army National Defense Service Ribbon, 1991  
Reserve Forces Service Ribbon, 1991  
Army Achievement Medal, 1988  
Distinguished Military Graduate, 1981  
Reserve Officers Training Corporation (ROTC) Award, Pomona College, 1981

### Select Recent Publications

Devera HV, Furukawa KT, Scavone JA, Matson M, Tumber S. Interscalene blocks in anesthetized pediatric patients. *Reg Anesth Pain Med.* 2009 Nov-Dec;34(6):603-4.

DeVera HV, Furukawa KT, Matson MD, Scavone JA, James MA. Regional techniques as an adjunct to general anesthesia for pediatric extremity and spine surgery. *J Pediatr Orthop.* 2006 Nov-Dec;26(6):801-4.

Reynolds PC, Furukawa KT. Modern draw-over anesthetic vaporizers used to deliver anesthesia in austere and battlefield conditions. *Mil Med.* 2003 May;168(5):ii-iii.

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## Julie Gardner, M.D.

Julie Gardner welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Southern California-Keck School of Medicine, Los Angeles CA 2006 B.A., Stanford University, Stanford CA 2000
<b>Internships</b>	Internal Medicine, UC Los Angeles Medical Center, Los Angeles CA 2006-2007
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2008-2011
<b>Board Certifications</b>	American Board of Anesthesiology

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## Jon Kent Garman, M.D., M.S.

Jon Kent Garman welcomes LGBT patients.

### Research/Academic Interests

Cardiovascular Anesthesia and Teaching Techniques

**Title** Associate Physician Diplomate, UC Davis Medical Center  
Professor Emeritus, Stanford University

**Specialty** Cardiovascular Anesthesia, Professional Management

**Department** [Anesthesiology](#)

**Division** General Anesthesiology

**Address/Phone** UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817  
**Phone:** 800-2-UCDAVIS (800-282-3284)

**Additional Phone** Phone: 916-703-6183

**Education** M.D., Temple University School of Medicine, Philadelphia PA 1965  
M.S., Stanford University Graduate School of Business, Stanford NC 1983  
A.B., Duke University, Durham NC 1961

**Internships** Rotating, University of Virginia, Charlottesville VA 1966

**Residency** Anesthesia, University of Pennsylvania, Philadelphia PA 1971

**Fellowships** Respiratory Physiology, University of Pennsylvania, Philadelphia PA 1972

**Board Certifications** American Board of Anesthesiology, 1973  
Certified Physician Executive (CPE) by Certifying Commission in Medical Management, 1998

**Professional Memberships** Academy of Anesthesiology  
American Society of Anesthesiologists  
Association of Cardiac Anesthesiologists, Past President  
Association of U.S. Naval Flight Surgeons  
California Society of Anesthesiologists, Past President

**Honors and Awards** Distinguished Service Award by California Society of Anesthesiologists, 2005

**Select Recent Publications** Garman, JK: Use of low-flow, low-pressure cardiopulmonary bypass is an acceptable technique. J. Cardiothoracic and Vasc. Anesthesia 1991; 5:399-401,



Jon Kent Garman, M.D., M.S.

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# Matthew Grow, M.D.

<b>Clinical Interests</b>	Matthew Grow provides general anesthesia to patients undergoing a wide range of surgical procedures. Additionally, Grow and three of his colleagues are part of the liver transplantation team at UC Davis Medical Center.
<b>Title</b>	Associate Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Nevada School of Medicine, Reno, Nevada, 1999 B.S., University of Nevada, Reno, Nevada, 1995
<b>Internships</b>	University of Nevada/VA Medical Center, Reno, Nevada, 1999-2000
<b>Residency</b>	University of California, Davis Medical Center, Sacramento, California, 2000-03
<b>Board Certifications</b>	American Board of Anesthesiology, 2003
<b>Professional Memberships</b>	American Society of Anesthesiology California Society of Anesthesiology
<b>Select Recent Publications</b>	Grow MP, A Singh, NW Fleming, N Young and M Watnik. Cardiac Output Monitoring During Off-Pump Coronary Artery Bypass Grafting. Journal of Cardiothoracic and Vascular Anesthesia, 18(1): 43-46, 2004.

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## Maria Gutierrez, M.D.

<b>Philosophy of Care</b>	My goal is to make the childbirth process a safe and enjoyable experience for all my patients.
<b>Clinical Interests</b>	Dr. Gutierrez's focus is management of high risk obstetric patients and education of the residents on different aspects of the anesthetic care for pregnant women. Additionally, she also participates on simulation education to residents, medical students and nurses, with emphasis in obstetric crisis management
<b>Title</b>	Assistant Clinical Professor, Department of Anesthesiology & Pain Medicine
<b>Specialty</b>	Obstetric Anesthesia
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Phone: 916-734-5031
<b>Languages</b>	Spanish
<b>Education</b>	M.D., Universidad de Antioquia, Medellin, Colombia 1997
<b>Internships</b>	Surgery, UC Davis Medical Center, Sacramento CA 2006-2007
<b>Residency</b>	Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 2007-2010
<b>Fellowships</b>	Obstetric Anesthesia, Stanford University Medical Center, Palo Alto CA 2010-2011
<b>Board Certifications</b>	American Board of Anesthesiology - Diplomate, 2014 Medical Board of California, 2009
<b>Professional Memberships</b>	American Society of Anesthesiologists Sociedad Antioqueña de Anestesiología y Reanimación (Antioquia Society of Anesthesiology and Resuscitation) Sociedad Colombiana de Anestesiología y Reanimación (Colombian Society of Anesthesiology and Resuscitation) Society of Obstetric Anesthesia and Perinatology



## Maria Gutierrez, M.D.

### Select Recent Publications

Butwick A, Gutierrez MC, Hilton G. The impact of advanced maternal age on peripartum thromboelastographic coagulation profiles: a prospective observational exploratory study. *Can J Anaesth.* 2015 May;62(5):504-512

Gutierrez, MC, Moore, PG, Liu, H. Goal-directed therapy in intraoperative fluid and hemodynamic management. *J of Biomedical Research*, 2013; 27(5): 357-365.

Gutierrez, MC, Goodnough, LT, Druzin, M, Butwick, AJ. Postpartum hemorrhage treated with a massive transfusion protocol at a tertiary obstetric center: a retrospective study. *International J of Obstetric Anesthesia*, 2012; 21(3): 230-5.

Sultan P, Gutierrez MC, Carvalho B. Neuraxial Morphine and Respiratory Depression: Finding the Right Balance. *Drugs*, 2011; 71(14): 1801-1809.

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# Thomas L. Hughes, M.D., Pharm.D.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
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<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC Davis School of Medicine, Sacramento CA 1985 Pharm.D., University of the Pacific, Stockton CA 1976
<b>Internships</b>	Internal Medicine, University of Arizona, Tuscon AZ 1986
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 1989
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiology California Society of Anesthesiology
<b>Select Recent Publications</b>	Viscusi ER, Gambling DR, Hughes TL, Manvelian GZ. Pharmacokinetics of extended-release epidural morphine sulfate: pooled analysis of six clinical studies. 2009.

Gambling, David MB, BS, FRCPC\*; Hughes, Thomas MD†; Martin, Gavin MD‡; Horton, William MD§; Manvelian, Garen MD?; for the Single-Dose EREM Study Group. A Comparison of Depodur™, a Novel, Single-Dose Extended-Release Epidural Morphine, with Standard Epidural Morphine for Pain Relief After Lower Abdominal Surgery. 2005.

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## Brian R. Jones, M.D.

Brian R. Jones welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC San Diego School of Medicine, San Diego CA 1985 B.S., UC San Diego, San Diego CA 1981
<b>Internships</b>	Tuscon Hospitals, Tuscon AZ 1985-1986
<b>Residency</b>	Anesthesiology, UC San Diego Medical Center, San Diego CA 1986-1989
<b>Board Certifications</b>	American Board of Anesthesiology, 1990
<b>Professional Memberships</b>	American Society of Anesthesiologists

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## Robert Paul Kaye, M.D.

Robert Paul Kaye welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Kaye specializes in the anesthetic care of pediatric patients, ranging from premature and newborn babies up to adulthood.
<b>Title</b>	Health Sciences Assistant Clinical Professor, Department of Anesthesiology & Pain Medicine
<b>Specialty</b>	Pediatric Anesthesiology
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Phone: 916-734-5031 Fax: 916-734-7980
<b>Education</b>	M.D. State University of New York at Buffalo, Buffalo NY 1985 B.S., Northeastern University, Boston MA 1980
<b>Internships</b>	Transitional, Santa Clara Valley Medical Center, San Jose CA 1985-1986
<b>Residency</b>	Anesthesiology, Stanford University Hospital, Stanford CA 1986-1989
<b>Fellowships</b>	Pediatric Anesthesia and Critical Care, Children's Hospital of Philadelphia, Philadelphia PA 1989-1990
<b>Board Certifications</b>	American Board of Anesthesiology, 1990 American Board of Anesthesiology - Pediatric Anesthesiology, 2014
<b>Professional Memberships</b>	American Society of Anesthesiologists Society for Pediatric Anesthesia

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# Norma J. Klein, M.D.

Norma J. Klein welcomes LGBT patients.

<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Utah School of Medicine, Salt Lake City UT 1984 B.S., University of Utah, Salt Lake City UT 1979
<b>Internships</b>	UC Davis Medical Center, Sacramento CA 1979-1980
<b>Residency</b>	Pediatric Anesthesiology, Children's Hospital of San Francisco, San Francisco CA 1984-1987 Pediatric Anesthesiology, University of Michigan Hospitals, Ann Arbor MI 1988-1990
<b>Fellowships</b>	Pediatric Anesthesiology, University of Washington, Seattle WA 1991-1992
<b>Board Certifications</b>	American Board of Anesthesiology, 1992 American Board of Pediatrics, 1988

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## Paul Kreis, M.D.

<b>Clinical Interests</b>	Dr. Kreis has a special interest in spinal injections, including selective nerve root blocks, sympathetic blockade, radiofrequency ablation, facet injections and discography.
<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Pain Medicine
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Medical Group</a> <a href="#">Spine Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246
	UC Davis Medical Group - Folsom, 1370 Prairie City Rd. Folsom, CA 95630 <b>Phone:</b> 916-985-9300
	Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816 <b>Phone:</b> 916-734-7463
<b>Additional Phone</b>	Clinic Phone: 916-734-7246 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC San Diego, La Jolla, California, 1982

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## Robert Scott Kriss, D.O.

Robert Scott Kriss welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	D.O., Arizona College of Osteopathic Medicine, Glendale AZ 2003 B.S., University of Southern California, Los Angeles CA 1997
<b>Internships</b>	Internal Medicine, Naval Medical Center, San Diego CA 2003-2004
<b>Residency</b>	Anesthesiology, University of Michigan, Ann Arbor MI 2007-2010
<b>Fellowships</b>	Pediatric Anesthesiology, Mott Children's Hospital, Ann Arbor MI 2010-2011
<b>Board Certifications</b>	American Board of Anesthesiology American Board of Anesthesiology - Pediatric Anesthesiology
<b>Select Recent Publications</b>	Kriss RS and Tarnal V: Complex spine surgery: extubating a patient after prolonged prone surgery., Mashour GA and Farag E, (ed), Case Studies in Neuroanesthesia and Neurocritical Care., Cambridge University Press, New York City, NY. 2010.

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## Cathy Lammers, M.D.

<b>Clinical Interests</b>	Dr. Lammers is a fellow-trained pediatric anesthesiologist. She administers anesthesia to pediatric patients scheduled for general and cardiovascular surgical procedures. She serves as the Director of the one year Pediatric Anesthesia fellowship training program in the Department of Anesthesiology and Pain Medicine and is active in medical student and resident education. Her research interests include pediatric pain management and pediatric regional anesthesia.
<b>Title</b>	Professor Director of Pediatric Anesthesiology
<b>Specialty</b>	Anesthesiology, Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-282-3284
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Baylor College of Medicine, Houston, Texas, 1992 B.A., UC Davis, Davis, California, 1988
<b>Internships</b>	University of California, San Francisco, San Francisco, California, 1993
<b>Residency</b>	Stanford University, Stanford, California, 1997
<b>Fellowships</b>	Stanford University & Lucile Salter Packard Children's Hospital, Stanford, California, 1997-98
<b>Select Recent Publications</b>	Lammers CR, Hammer GB, Brodsky JB, Cannon WB. Failure to separate and isolate the lungs with an endotracheal tube positioned in the bronchus. <i>Anesthesia and Analgesia</i> 1997;85:946-947

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# Deborah Hong Lee, M.D.

Deborah Hong Lee welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., George Washington University School of Medicine and Health Sciences, Washington DC 2007 B.S., UC Berkeley, Berkeley CA 1999
<b>Internships</b>	Surgery, UC Davis Medical Center, Sacramento CA 2007-2008
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2008-2011
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists

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# Sungeun Lee, M.D.

Sungeun Lee welcomes LGBT patients.

<b>Title</b>	Associate Professor
<b>Specialty</b>	Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Temple University School of Medicine, Philadelphia PA 2005 B.A., UC Berkeley, Berkeley CA 2000
<b>Internships</b>	Internal Medicine, Loma Linda University Hospital, Loma Linda CA 2005-2006
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2006-2009
<b>Fellowships</b>	Pediatric Anesthesiology, UC Davis Medical Center, Sacramento CA 2009-2010
<b>Board Certifications</b>	American Board of Anesthesiology American Board of Anesthesiology - Pediatric Anesthesiology

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# Gary A. Levin, M.B.A., M.D.

<b>Clinical Interests</b>	Clinical Interests: Organizational dynamics, strategic and operational planning along with medical group culture and quality improvement (lean six) are particular interests I have, including years of medical management experience and consulting. Practice management is my focus for resident teaching. I also participate as an expert witness and external peer review as a consultant.
<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Anesthesiology - Obstetric
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Phone: 916-734-5028 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Email</b>	<a href="mailto:galevin@ucdavis.edu">galevin@ucdavis.edu</a>
<b>Education</b>	M.D., Michigan State University, East Lansing MI 1980 M.B.A., Pepperdine University, School of Business and Management, Culver City CA 1992 B.A., UC San Diego, La Jolla CA 1975
<b>Internships</b>	Emanuel Hospital and Medical Center, Portland OR 1980-1981
<b>Residency</b>	UC Irvine Medical Center, Orange CA 1981-1983
<b>Fellowships</b>	UC Davis Medical Center, Sacramento CA 2002 University of Washington, Harborview and Children's Hospitals, Seattle WA 2002
<b>Board Certifications</b>	American Board of Anesthesiology, 2005
<b>Professional Memberships</b>	California Society of Anesthesiologists
<b>Honors and Awards</b>	Dean's Team Award for Excellence, 2015 Performance Excellence Award, 2014

## Gary A. Levin, M.B.A., M.D.

**Select Recent Publications** Kleiner SA, Vogt WB, Gladowski P, DeVries A, Levin G, Antonucci C, Fong J. B-blocker compliance, mortality and re-infarction: Validation of clinical trial association using insurer claims data. *Am J Med Qual*, 2009, 24(6):512-19.

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## Yu-Fung Lin, Ph.D.

**Clinical Interests** Dr. Lin is researching the stimulation of ATP-sensitive potassium channels.

**Title** Adjunct Assistant Professor

**Department** [Anesthesiology](#)

**Division** Anesthesiology/Physiology

**Languages** Chinese (Mandarin), English

**Education** Ph.D., University of Michigan Medical School, Ann Arbor, Michigan, 1995  
B.S., National Taiwan University, Taipei, Taiwan, 1984  
M.S., National Taiwan University, Taipei, Taiwan, 1986

**Fellowships** Howard Hughes Medical Center, San Francisco, California, 2002  
University of Michigan School of Medicine, Ann Arbor, Michigan, 1997

**Select Recent Publications** Bichet D, Lin YF, Ibarra CA, Huang CS, Yi BA, Jan YN, Jan LY. Evolving potassium channels by means of yeast selection reveals structural elements important for selectivity. *Proc Natl Acad Sci USA*, 101(13):4441-6.

Lin YF, Raab-Graham K, Jan YN, Jan LY. NO stimulation of ATP-sensitive potassium channels: Involvement of Ras/mitogen-activated protein kinase pathway and contribution to neuroprotection. *Proc Natl Acad Sci U S A*, 101(20):7799-804.

Ma D, Zerangue N, Lin YF, Collins A, Yu M, Jan YN, Jan LY. Role of ER export signals in controlling surface potassium channel numbers. *Science*, 291(5502):316-9.

Yi BA, Lin YF, Jan YN, Jan LY. Yeast screen for constitutively active mutant G protein-activated potassium channels. *Neuron*, 29(3):657-67.

Yi BA, Minor DL, Lin YF, Jan YN, Jan LY. Controlling potassium channel activities: Interplay between the membrane and intracellular factors. *Proc Natl Acad Sci USA*, 98(20):11016-23.

Lin YF, Jan YN, Jan LY. Regulation of ATP-sensitive potassium channel function by protein kinase A-mediated phosphorylation in transfected HEK293 cells. *EMBO J*, 19(5):942-55.

Minor DL, Lin YF, Mobley BC, Avelar A, Jan YN, Jan LY, Berger JM. The polar T1 interface is linked to conformational changes that open the voltage-gated potassium channel. *Cell*, 102(5):657-70.

Lin YF, Angelotti TP, Dudek EM, Browning MD, Macdonald RL. Protein kinase C phosphorylation of the  $\alpha 1$  and  $\alpha 2L$  subunits of the GABA<sub>A</sub> receptor enhances whole-cell currents expressed in



## Yu-Fung Lin, Ph.D.

L929 fibroblasts. *Mol Pharmacol*, 50(1):185-95.

Lin YF, Browning MD, Dudek EM, Macdonald RL. Protein kinase C enhances recombinant bovine 112L GABAA receptor whole-cell currents expressed in L929 fibroblasts. *Neuron*, 13(6):1421-31.

Chai CY, Wu WC, Wang S, Su CK, Lin YF, Yen CT, Kuo JS, Wayner MJ. Coexistence of autonomic and somatic mechanisms in the pressor areas of medulla in cats. *Brain Res Bull*, 29(1):15-26.

Yen CT, Hwang JC, Su CK, Lin YF, Yang JM, Chai CY. Differential actions of the medial region of caudal medulla on autonomic nerve activities. *Clin Exp Pharmacol Physiol*, 18(11):743-51.

Chai CY, Lin YF, Wang HY, Wu WC, Yen CT, Kuo JS, Wayner MJ. Inhibition of spinal reflexes by paramedian reticular nucleus. *Brain Res Bull*, 25(4):581-8.

Chai CY, Lin YF, Lin AMY, Pan CM, Lee EH, Kuo JS. Existence of a powerful inhibitory mechanism in the medial region of caudal medulla--with special reference to the paramedian reticular nucleus. *Brain Res Bull*, 20(4):515-28.

Lin AM, Pan CM, Lin YF, Kuo JS, Chan SH, Chai CY. A cardioinhibitory area in the midbrain central tegmental field of cats. *Brain Res Bull*, 18(6):699-707.

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## James Eliot Littlejohn, M.D., Ph.D.

James Eliot Littlejohn welcomes LGBT patients.

### Research/Academic Interests

Dr. Littlejohn's research interests include: Acquired Coagulopathies and Hemorrhagic Shock.

**Title** Assistant Clinical Professor

**Specialty** Anesthesiology, Critical Care Medicine

**Department** [Anesthesiology](#)

**Division** General Anesthesiology

**Center/Program Affiliation** Trauma Program

**Address/Phone** Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817  
**Phone:** 916-734-5028

**Additional Phone** Phone: 916-734-5031

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Education** M.D., Ph.D., Texas A&M University College of Medicine, Bryan TX 2010

B.A., UC Berkeley, Berkeley CA 2002

**Internships** Anesthesia, New York Presbyterian Hospital, New York NY 2010-2011

**Residency** Anesthesiology, New York Presbyterian Hospital - Weill Cornell Medical Center, New York NY 2011-2014

**Fellowships** Critical Care Medicine, University of Pennsylvania Medical Center, Philadelphia PA 2014-2015

**Board Certifications** American Board of Anesthesiology, 2015

American Board of Anesthesiology - Critical Care Medicine, 2015

### Professional Memberships

American Medical Association

American Society of Anesthesiologists and California Society of Anesthesiologists

California Medical Association

Society of Critical Care Anesthesiology

Society of Critical Care Medicine

**Honors and Awards** Joseph F. Atrusio Outstanding Resident Award, 2014

American-Austria Foundation Fellow, 2013

Weill-Cornell Department of Anesthesiology- Chief Resident, 2013



## James Eliot Littlejohn, M.D., Ph.D.

### Select Recent Publications

Zhang L, Littlejohn JE, Cui Y, Cao X, Peddabonia C, Smythe WR. Characterization of bortezomib-adapted I-45 mesothelioma cells, *Molecular Cancer*. 2010 May 18; 9:110.

Cao, X., Littlejohn, J.E., Zhang, L., Martino, B., Rascoe, P., Rodarte, C., Smythe, WR. The Upregulation of Bcl-xL by Hepatocyte Growth Factor in Human Mesothelioma Cells Involves ETS Transcription Factors. *Am J of Pathology*, 2009;175(5):2201-2211.

Littlejohn, J.E., Cao, X., Miller, S.D., Ozvaran M.K., Jupiter, D., Zhang, L., Rodarte, C., Smythe W. R. BclxL antisense oligonucleotide and cisplatin combination therapy extends survival in SCID mice with established mesothelioma xenografts. *International J of Cancer*, 2008;123(1): 202-8.

Bumbaca, D., Littlejohn, J.E., Nayakanti, H., Lucas, A.H., Rigden, D.J., Galperin, M.Y., Jedrzejewski, M.J. Genome based identification and characterization of a putative mucin-binding protein from the surface of *Streptococcus pneumoniae*. *Proteins-Structure Function and Bioinformatics*, 2007;66(3): 547-558.

Cao, X., Rodarte, C., Zhang, L., Morgan, C.D., Littlejohn, J., and Smythe, W.R. Bcl2/bcl-x(L) Inhibitor Engenders Apoptosis and Increases Chemosensitivity in Mesothelioma. *Cancer Biology and Therapy*, 2007;6:246-252.

Nukui, M., Mello, L.V., Littlejohn, J.E., Setlow, B., Setlow, P., Kim, K., Leighton, T., Jedrzejewski, M.J. Structure and molecular mechanism of *Bacillus anthracis* cofactor-independent phosphoglycerate mutase: A crucial enzyme for spores and growing cells of *Bacillus* species. *Biophysical Journal*, 2007;92(3): 977-988.

Rigden, D.J., Littlejohn, J.E., Joshi, H.V., de Groot, B.L., Jedrzejewski, M.J. Alternate Structural Conformations of *Streptococcus pneumoniae* Hyaluronan Lyase: Insights into the Enzyme Flexibility and Underlying Molecular Mechanism of Action. *J of Molecular Biology*, 2006;358(4):



## James Eliot Littlejohn, M.D., Ph.D.

1165-1178.

Bumbaca, D., Littlejohn, J.E., Nayakanti, H., Rigden, D.J., Galperin, M.Y., Jedrzejewski, M.J. Sequence analysis and characterization of a novel fibronectin-binding repeat domain from the surface of *Streptococcus pneumoniae*. *OMICS Winter*, 2004;8(4):341-56.

Kolberg, J., Aase, A., Rodal, G., Littlejohn, J.E., Jedrzejewski, M.J. Epitope mapping of pneumococcal surface protein A of strain Rx1 using monoclonal antibodies and molecular structure modeling. *FEMS Immunology Medical Microbiology*, 2003;39(3):265-73.

Rigden, D.J., Littlejohn, J.E., Henderson, K., Jedrzejewski, M.J. Structures of phosphate and trivanadate complexes of *Bacillus stearothermophilus* phosphatase PhoE: structural and functional analysis in the cofactor-dependent phosphoglycerate mutase superfamily. *J of Molecular Biology*, 2003;325(3):411-20.

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## Hong Liu, M.D.

<b>Clinical Interests</b>	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.
<b>Title</b>	Professor Director of Clinical Anesthesia Research
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Chinese (Mandarin)
<b>Education</b>	M.D., Nanjing Medical College, Jiangso, China 1987
<b>Internships</b>	Surgery, St. Vincent Hospital and Medical Center, New York NY 1996-1997
<b>Residency</b>	Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 1997-2000
<b>Fellowships</b>	Cardia Anesthesiology, UC Davis Medical Center, Sacramento CA 2000-2001
<b>Board Certifications</b>	American Board of Anesthesiology, 2011 Medical Board of California, 2008 National Board of Echocardiography, Perioperative Transesophageal Echocardiography, 2014
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists American Society of Echocardiography Association of University Anesthesiologists California Society of Anesthesiologists International Chinese Academy of Anesthesiology



## Hong Liu, M.D.

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.



## Hong Liu, M.D.

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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## Tehani Anne Liyanage, M.B.B.S.

<b>Clinical Interests</b>	As well as providing general anesthesia, Dr. Liyanage also administers anesthesia to obstetric, neuro, geriatric and vascular patients. Dr. Liyanage's future research interests are in neuro anesthesiology.
<b>Title</b>	Assistant Clinical Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Sinhalese
<b>Education</b>	M.B.B.S., University of Kelaniya, Ragama, 1998
<b>Internships</b>	National Hospital, Colombo, 1999-2000 UC Davis Medical Center, Sacramento, California, 2004-2005
<b>Residency</b>	National Hospital, Colombo, 2001-2002 UC Davis Medical Center, Sacramento, California, 2005-2008
<b>Board Certifications</b>	American Board of Anesthesiology, 2009
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists Kaplan Honorary Society

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## Sarah Maclean, MBChB

Sarah Maclean welcomes LGBT patients.

### Philosophy of Care

As a fellowship trained pediatric anesthesiologist, I, along with my UC Davis Children's Hospital colleagues, work closely to ensure patients and their families receive outstanding care.

### Research/Academic Interests

Dr. Maclean's research interest is focused on quality improvement projects.

**Title** Assistant Clinical Professor

**Specialty** Pediatric Anesthesiology

**Department** [Anesthesiology](#)

**Division** Pediatric Anesthesiology

**Center/Program Affiliation** [UC Davis Children's Hospital](#)

**Address/Phone** UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817  
**Phone:** 800-282-3284

**Additional Phone** Clinic Phone: 916-734-6508  
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Internships** Orthopedic Surgery, University Hospital Crosshouse, Kilmarnock UK 1998-1999

**Residency** Anesthesia, Royal Alexandra Hospital Inverclyde Hospital Western Infirmary Northern University of Anesthesia, Paisley UK 1999-2008

**Fellowships** Pediatric Anesthesia, Newcastle University, Newcastle UK 2008-2009

**Board Certifications** Royal College of Anaesthetists, UK, 2009

**Professional Memberships** Society for Pediatric Anesthesia

**Select Recent Publications** Nafiu OO, Burke C, Cowan A, Tutuo N, Maclean S, Tremper, KK. Comparing peripheral venous access between obese and normal weight children. Paediatric anaesthesia. 2010; 20(2): 172-6.

Nafiu OO, Maclean S, Blum J, Kheterpal S, Cowan A, Tremper KK. High BMI in children as a risk



Sarah Maclean, MBChB

factor for intraoperative hypotension. *European journal of anaesthesiology*. 2010; 27(12): 1065-8.

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## Stephen M. Macres, M.D., Pharm.D.

<b>Clinical Interests</b>	Dr. Macres has clinical interests in regional anesthesia and acute perioperative pain management. He is director of the Acute Perioperative Pain Service, and is also director of the Annual Anesthesiology Review Course and the Ultrasound Guided Peripheral Nerve Block Workshop.
<b>Title</b>	Clinical Professor Director, Acute Perioperative Pain Service
<b>Specialty</b>	Anesthesiology, Anesthesiology - Regional
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Cincinnati College of Medicine, Cincinnati, Ohio, 1990 Pharm.D., UC San Francisco, San Francisco, California, 1979 B.S., UC Davis, Davis, California, 1972 M.S., UC Davis, Davis, California, 1974
<b>Internships</b>	Santa Clara Valley Medical Center, San Jose, California, 1990-1991
<b>Residency</b>	University of California, Davis Medical Center, Sacramento, California, 1991-1994 University of California, San Francisco, San Francisco, California, 1979-1980
<b>Fellowships</b>	University of California, Davis Medical Center, Sacramento, California, 1994-1995
<b>Board Certifications</b>	American Board of Anesthesiology, 1995
<b>Professional Memberships</b>	American Society of Anesthesiologists American Society of Regional Anesthesia and Pain Medicine (ASRA) California Society of Anesthesiologists
<b>Select Recent Publications</b>	2009 Macres SM, Moore PG, Fishman SM: Acute Pain Management, Barash, Cullen, Stoelting, Cahalan and Stock, 6th edition, (ed), <i>Clinical Anesthesia</i> , Vol. Chapter 57, pp.1473-1504. 1996 Fleming NW, Macres S, Antognini JF, Vengco J. Neuromuscular blocking action of



## Stephen M. Macres, M.D., Pharm.D.

suxamethonium after antagonism of vecuronium by edrophonium, pyridostigmine or neostigmine. *British Journal of Anaesthesia*, 77(4):492-5.

1996 Richeimer SH, Macres SM. Psychological and medical complications of chronic pain management. *Seminars in Anesthesia*, 15(3):224-237.

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## Gagan Mahajan, M.D.

<b>Clinical Interests</b>	Dr. Mahajan has both clinical and research interests in pain medicine.
<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Pain Medicine
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">Spine Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246
	Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816 <b>Phone:</b> 916-734-7463
<b>Additional Phone</b>	Clinic Phone: 916-734-7246 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Pennsylvania State University College of Medicine, Hershey, Pennsylvania, 1996 B.S., UCLA, Los Angeles, California, 1992
<b>Internships</b>	Loma Linda University Medical Center, Loma Linda, California, 1996-1997
<b>Residency</b>	Baylor College of Medicine, Houston, Texas, 1997-2000
<b>Fellowships</b>	UC Davis Medical Center, Sacramento, California, 2000-2001
<b>Board Certifications</b>	American Board of Anesthesiology, Pain Medicine, 2001 American Board of Physical Medicine and Rehabilitation, Pain Medicine, 2001
<b>Professional Memberships</b>	American Academy of Physical Medicine and Rehabilitation Physicians' Association of Spine, Sports and Occupational Medicine
<b>Honors and Awards</b>	Rhone-Poulenc Rorer Physiatry Residents Scholarship Program, 1999 Third prize, Lewis Leavitt MD Memorial Lectureship, Baylor College of Medicine, 1999 Graduated with honors, UCLA, 1992



Gagan Mahajan, M.D.

Select Recent Publications

Mahajan B, Kaldis T, Kevorkian C, Oden K. Functional outcomes of post-cardiac surgery stroke patients. *Archives of Physical Medicine and Rehabilitation*, 80:1138, 1990.

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# Stephen A. Mannis, M.D., M.B.A.

Stephen A. Mannis welcomes LGBT patients.

<b>Philosophy of Care</b>	I strive to deliver the highest quality of patient care, being sensitive to the cultural needs of my patients and to treat each of my patients with compassion.
<b>Clinical Interests</b>	Dr. Mannis' areas of interest include general anesthesia, trauma care, obstetrical anesthesia and ambulatory anesthesia.
<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC San Diego School of Medicine, San Diego CA 1977 M.B.A., Business, University of South Florida, Tampa FL 1999 B.S., Stanford University, Palo Alto CA 1973
<b>Internships</b>	Internal Medicine, University of Texas, San Antonio TX 1977-1979
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 1985-1986
<b>Fellowships</b>	Anesthesiology, UC Los Angeles Medical Center, Los Angeles CA 1986
<b>Board Certifications</b>	American Board of Anesthesiology, 2014 American Board of Internal Medicine, 1980
<b>Professional Memberships</b>	American Society of Anesthesiology California Society of Anesthesiologists International Anesthesia Research Society Society for Ambulatory Anesthesia
<b>Select Recent Publications</b>	T. Archer, S. Mannis and A. Macario. Ambulatory Surgery Center Profitability, Efficiency and Cost Containment, Handbook of Ambulatory Anesthesia, Second Edition, Chapter 15, pp. 396-418.

Stephen A. Mannis, M.D., M.B.A.

2008.

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## Eugene Andre Mansour, MBBS

<b>Title</b>	Assistant Visiting Professor of Anesthesiology Fellow of the Australian and New Zealand College of Anaesthetists
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Phone: 916-734-2011
<b>Education</b>	MBBS, University of Tasmania, Hobart TAS Australia 2006 BMedSci, University of Sydney, Sydney NSW Australia 2002
<b>Internships</b>	Royal Hobart Hospital, Hobart TAS Australia 2007
<b>Residency</b>	anaesthetics, John Hunter Hospital, Newcastle NSW Australia 2008-2013
<b>Fellowships</b>	Anesthesiology-Regional, John Hunter Hospital, Newcastle NSW Australia 2013-2014
<b>Board Certifications</b>	Australian and New Zealand College of Anaesthetists, 2014

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## Peter G. Moore, M.D., Ph.D.

<b>Clinical Interests</b>	Dr. Moore's clinical and research interests involve cardiovascular and thoracic anesthesia as well as lung transplant anesthesia, subjects on which he has published widely in books and journals.
<b>Research/Academic Interests</b>	Dr. Moore has also conducted research investigating hypertonic saline, airway thermal volume in humans and its relation to body size, and the effects of calcitonin-gene related peptide (CGRP) and adenosine on regional coronary conductance in dogs with ventricular pacing.
<b>Title</b>	Professor
<b>Specialty</b>	Anesthesiology, Pain Medicine
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Sydney, Sydney, New South Wales, 1972 Ph.D., University of Newcastle, Callaghan, New South Wales, 1991 B.S., University of Sydney, Sydney, New South Wales, 1972
<b>Residency</b>	Royal Brisbane Hospital, Brisbane, Australia, 1972 Royal Newcastle Hospital, Newcastle, Australia, 1973
<b>Fellowships</b>	Australian and New Zealand College of Anaesthetists, Melbourne, Australia, 1992 Royal Australasian College of Surgeons, Melbourne, Australia, 1977
<b>Professional Memberships</b>	American Association for the Advancement of Science American Medical Association American Society of Anesthesiologists American Society of Echocardiography Association of Anesthesia Clinical Directors Association of Anesthesiology Program Directors & Society of Academic Anesthesiology Chairs Association of University Anesthesiologists



## Peter G. Moore, M.D., Ph.D.

### Select Recent Publications

International Anesthesia Research Society

Society of Cardiovascular Anesthesiologists

Zhong C, Fleming NW, Lu X, Moore P and H Liu. Age-associated differences in gene expression in response to delayed anesthetic preconditioning. *Age*, 2012; (34) 1459-1472.

Lu X, Moore PG, Liu H, Schaefer S. Phosphorylation of ARC is a critical element in the antiapoptotic effect of anesthetic preconditioning. *Anesth Analg*, 2011; 112(3): 525-31.

Liu H, Moore PG. KATP channel blocker does not abolish the protective effect of Na/H exchange 1 inhibition against ischaemia/reperfusion in aged myocardium. *Eur J Anaesthesiol*, 2010; 27(8): 740-6.

Macres SM, Moore PG, Fishman SM: Acute Pain Management, Barash, Cullen, Stoelting, Cahalan and Stock, 6th edition, (ed), *Clinical Anesthesia*, 2009; Vol. Chapter 57, pp.1473-1504.

Konia M, Uppington J, Moore P, Liu H. Ascending aortic pseudoaneurysm: a late complication of coronary artery bypass. *Anesth Analg*, 2008; 106(3): 767-8.

Nguyen NT, Ho HS, Fleming NW, Moore P, Lee SJ, Goldman CD, Cole CJ, Wolfe BM. Cardiac function during laparoscopic vs open gastric bypass. *Surg Endosc*, 2002; 16(1): 78-83.

P.G. Moore, Quail, A. W., Cottee, D.B., McIlveen S.A., and White, S.W. Effect of Fentanyl on baroreflex control of circumflex coronary conductance. *Clinical and Experimental Pharmacology and Physiology*, (2000) 27, 1034-1038.

Porges, W.L., Hennessy, E.J., Quail, A.W., Cottee, David B.F., Moore, P.G. McIlveen, S.A., G.H. Parsons and S.W. White. Heart-Lung interactions: The sigh and autonomic control in the bronchial and coronary circulations. *Clinical and Experimental Pharmacology and Physiology* (2000) 27, 1022-1027.

Cottee, D.B., Quail, A., Porges, W.L., P.G. Moore and S.W. White. Effects of anaesthesia on regional coronary control mechanisms. *Clinical and Experimental Pharmacology and Physiology* (2000) 27, 1034-1038.

Kien ND, Reitan JA, Moore PG. Hypertonic saline: current research and clinical implications. *Seminars in Anesthesia, Perioperative Medicine and Pain*, 1998; 17(3): 167-173.

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## Lara E. Moser, M.D.

Lara E. Moser welcomes LGBT patients.

<b>Clinical Interests</b>	Lara Moser directs the post-anesthesia care unit. She has clinical and research interests in general anesthesiology, perioperative medicine and post-anesthesia recovery care. Moser also holds a nursing degree.
<b>Title</b>	Associate Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC Davis School of Medicine, Sacramento CA 1996 B.S., California State University-Sacramento, Sacramento CA 1984
<b>Internships</b>	Surgery, UC Davis Medical Center, Sacramento CA 1996-1997
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 1997-2000
<b>Board Certifications</b>	American Board of Anesthesiology, 2012
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists California Society of Anesthesiologists
<b>Honors and Awards</b>	Hamilton S. Davis Award for Anesthesia ? awarded to outstanding medical student who completes a four-week Anesthesia rotation., 1996

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# Alison A. Nielsen, M.D.

Alison A. Nielsen welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC Davis School of Medicine, Sacramento CA 2010 M.S., Anesthesiology, Case Western Reserve University School of Medicine, Sacramento CA 2000 M.S., Physiology, UC Davis, Davis CA 1998 B.A., UC Berkeley, Berkeley CA 1996
<b>Internships</b>	Internal Medicine, UC Davis Medical Center, Sacramento CA 2010-2011
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2011-2014
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists
<b>Honors and Awards</b>	Outstanding Senior Resident Award, 2013 Employee Excellence Award in Leadership, 2013
<b>Select Recent Publications</b>	Nielsen, Alison A; Hope, Charity B; Bair, Aaron E. GlideScope Videolaryngoscopy in the Simulated Difficult Airway: Bougie vs a Standard Stylet. Western Journal of Emergency Medicine. 2010;11(5).

R O'Brien, A Nielsen, J Pierson, STAT Pre-Transfusion Testing Can Create Crises for Blood Banks and Elective Surgery Patients. Transfusion. 2006 Sep;. Vol. 46, No. 9S, 225A.

Alison A. Nielsen, M.D.

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## Brian Pitts, M.D., M.S.

<b>Philosophy of Care</b>	I believe that each patient is unique and deserves the highest quality of compassionate care available.
<b>Clinical Interests</b>	Dr. Pitts provides anesthesia to all types of adult patients and specializes in regional anesthesia. He is actively involved in resident education and pursues innovative and effective approaches in teaching the next generation of anesthesiologists.
<b>Title</b>	Assistant Clinical Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Loma Linda University School of Medicine, Loma Linda, California, 2001 M.S., Loma Linda University, Riverside, California, 2004 M.S., Loma Linda University, Riverside, California, 2006 B.S., UC Irvine, Irvine, California, 1992
<b>Internships</b>	Loma Linda University Medical Center, Loma Linda, California, 2001-2002
<b>Residency</b>	UC Davis Medical Center, Sacramento, California, 2002-2005
<b>Board Certifications</b>	American Board of Anesthesiology, 2006
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists Society for Education in Anesthesia
<b>Honors and Awards</b>	Graduate of the Teaching Scholars Program, UC Davis School of Medicine, 2009 Teacher of the Year Award, Department of Anesthesiology and Pain Medicine, 2008 Teacher of the Year Award, Department of Anesthesiology and Pain Medicine, 2007



Brian Pitts, M.D., M.S.

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## Amir Ramezani, Ph.D.

Amir Ramezani welcomes LGBT patients.

<b>Clinical Interests</b>	<p>Dr. Ramezani obtained a dual PhD in Clinical Health Psychology and Behavioral Medicine at the University of North Texas. He also completed a fellowship in pain psychology at UCSF and a second fellowship in neuropsychology at the UCLA Semel Institute for Neuroscience.</p> <p>Dr. Ramezani's clinical, education, and research interests include integrating cognitive-behavioral and neuropsychology interventions to improve chronic medical and cognitive conditions, advancing teaching methods for students and trainees, pre-surgical behavioral preparation, and cultural neurocognition.</p> <p>Dr. Ramezani has published in the areas of neurocognition, brain imaging, depression, and chronic conditions. He also teaches residents, fellows, nursing students, and physician assistant students.</p>
<b>Title</b>	Associate Director of Behavioral Pain Medicine Director of Neuropsychology
<b>Specialty</b>	Pain Psychology, Neuropsychology, Health Psychology
<b>Division</b>	Pain Medicine
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817 <b>Phone:</b> 916-734-7246
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Farsi
<b>Education</b>	Ph.D., Health Psychology & Behavioral Medicine, University of North Texas, Denton TX 2008 B.A., California State University - Fullerton, Fullerton CA 2002
<b>Fellowships</b>	Pain Psychology, UC San Francisco, San Francisco CA 2008-2009 Neuropsychology, UC Los Angeles, Los Angeles CA 2009-2011
<b>Board Certifications</b>	California Board of Psychology, 2011 EEG Biofeedback (BCN), 2007
<b>Select Recent Publications</b>	Ramezani, A., McCarron, R. M., Lashai, B., & Lenaerts, M. E. P. Cognitive, neurological, and psychological aspects of head pain: Applying the biopsychosocial model to care. <i>Current Psychiatry</i> . 2015; 14(9):12-26.



## Amir Ramezani, Ph.D.

Duff, K. & Ramezani, A. Regression-based normative formulae for the RBANS for older adults. *Archives of Clinical Neuropsychology*. 2015; 30(5):1-5.

Stayner, S. R., Ramezani, A., Prasad, R., and Mahajan, G. Chronic Pain Management for Patients with Psychiatric Illness. *Current Psychiatry*. Accepted 2015.

Thames, A. D., Foley, J. M., Wright, M. J., Panos, S. E., Ettenhofer, M., Ramezani, A., Streiff, V., El-Saden, S., Goodwin, S., Bookheimer, S. Y., Hinkin, C. H. Basal ganglia structures differentially contribute to verbal fluency: evidence from Human Immunodeficiency Virus (HIV)-infected adults. *Neuropsychologia*, 2012;50 (3), 390-395.

Thames, A. Becker, B. W., Marcotte, T., Hines, L., Foley, J., Ramezani, A., Singer, E., Castellon, S. A., Heaton, R., and Hinkin, C. H. Depression, cognition, and self-appraisal of functional abilities in HIV: Examination of subjective appraisal versus objective performance. *The Clinical Neuropsychologist*, 2010;25, 224-243.

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## Niroop Ravula, M.D.

<b>Clinical Interests</b>	<p>Dr. Ravula is an active clinician specializing in pediatric anesthesiology and pediatric cardiac anesthesiology. He actively collaborates with his colleagues in providing simulation training for medical students, pediatric interns, anesthesiology residents and fellows.</p> <p>Dr. Ravula is also the Director of MEPA (Medical Emergencies in Pediatric Anesthesia) for the Department of Anesthesiology and Pain Medicine.</p>
<b>Title</b>	Associate Professor
<b>Specialty</b>	Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Languages</b>	Telugu
<b>Education</b>	<p>Surgery Medicine, Mahatma Gandhi Memorial Hospital, Hyderabad, India 1997</p> <p>Anesthesiology, Epsom General Hospital, Epsom UK 2001</p> <p>Anesthesiology, Mahatma Gandhi Memorial Hospital, Hyderabad, India 2000</p> <p>M.B.B.S., Kakatiya Medical College, Warangal India 1996</p>
<b>Internships</b>	Anesthesiology, Medway Maritime Hospital, Lewisham UK 2001-2003
<b>Residency</b>	Anesthesiology, Medway Maritime Hospital, Gillingham, Kent UK 2003-2004
<b>Fellowships</b>	<p>Anesthesiology, Guys &amp; St. Thomas Hospital, London UK 2004-2005</p> <p>Anesthesiology, Queen Victoria Hospital, London UK 2005-2006</p>
<b>Board Certifications</b>	Royal College of Anaesthetists, UK
<b>Professional Memberships</b>	<p>California Society of Anesthesiologists</p> <p>Society for Pediatric Anesthesiology</p>
<b>Select Recent Publications</b>	Quinonez, ZA, Ravula, NR. Anisocoria in a 10-month old girl in the immediate preoperative setting: can you proceed with surgery? J of biomedical research, 2011; 25(3): 224-6.



Niroop Ravula, M.D.

Ravula, N, Ekbal, N, D'Sa, A. Peritoneal dialysis from femoral venous catheterisation. *Anaesthesia*, 2009; 64(5): 577.

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## Neil Padharia Ray, M.D.

<b>Title</b>	Assistant Professor Pediatric Anesthesiologist
<b>Specialty</b>	Pediatric Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pediatric Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Children's Hospital</a>
<b>Additional Phone</b>	Physician Referrals: 800-2-UCDAVIS (800-282-3284)
<b>Education</b>	M.D., Rush Medical College, Chicago IL 2001 B.A., Northwestern University, Evanston IL 1996
<b>Internships</b>	Internal Medicine, East Carolina University, Greenville NC
<b>Residency</b>	Anesthesiology, Brigham and Women's Hospital - Harvard, Boston MA
<b>Fellowships</b>	Pediatric Anesthesiology, Hospital for Sick Children, Toronto, ON Canada
<b>Board Certifications</b>	American Board of Anesthesiology, 2006 American Board of Anesthesiology - Board Examiner, 2015 American Board of Anesthesiology - Pediatric Anesthesiology, 2013
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists

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# Ben A. Rich, J.D., M.A., Ph.D.

<b>Clinical Interests</b>	Dr. Rich is an attorney with a doctoral degree in philosophy. He has substantial experience in both private practice and as a legal counsel for several leading academic medical centers. His special interests include the legal and ethical aspects of the physician-patient relationship, end-of-life care and pain management. He received the Mayday Scholar's Award and the University of Colorado President's Fund for the Humanities Award. Dr. Rich is working to further develop the UC Davis Bioethics Program and its training of medical staff, students and other professionals.
<b>Title</b>	Professor and Alumni Association Endowed Chair
<b>Specialty</b>	Bioethics, Internal Medicine
<b>Department</b>	<a href="#">Anesthesiology</a> <a href="#">Internal Medicine</a>
<b>Division</b>	General Medicine Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">Bioethics Program</a>
<b>Education</b>	Ph.D., University of Colorado, Boulder, Boulder, Colorado, 1995 J.D., Washington University School of Law, St. Louis, Missouri, 1973 B.A., DePauw University, Greencastle, Indiana, 1969
<b>Select Recent Publications</b>	Rich, B.A. Causation and Intent: Persistent Conundrums in End of Life Care. Cambridge Quarterly of Health Care Ethics, Vol. 16, No. 1, 16: 63-73. Rich, B.A. Physician Paternalism v. Respect for Patient Autonomy: The More Things Change the More They Remain the Same, Journal of Medicine and Law 10: 87-124. Rich, B.A. The Treating Physician as Expert Witness: Ethical and Pragmatic Considerations. Pain Medicine 7: 460-463. Rich, B.A. The politics of pain: rhetoric or reform. DePaul University Journal of Health Care Law 8: 519-558. Rich, B.A. Medical custom and medical ethics: rethinking the standard of care. Cambridge Quarterly of Healthcare Ethics 14: 27-39. Rich, B.A. Bioethics in court. The Journal of Law, Medicine & Ethics 33:194-197. Rich, B. A. Oregon versus Ashcroft: the battle over the soul of medicine. Cambridge Quarterly of Healthcare Ethics, 12: 310-321, 2003. Rich, B. A. A placebo for the pain: a medico-legal case analysis. Pain Medicine, 4: 366-372, 2003.

## Ben A. Rich, J.D., M.A., Ph.D.

- Rich, B. A. Oregon versus Ashcroft: pain relief, physician-assisted suicide, and the controlled substances act. *Pain Medicine*, 3: 353-360, 2002.
- Rich, B. A. Moral conundrums in the courtroom: reflections on a decade in the culture of pain. *Cambridge Quarterly of Healthcare Ethics*, 11: 180-190, 2002.
- Rich, B. A. Moral lessons from the jury box. *Journal of Pain & Palliative Care Pharmacotherapy*, 16: 81-92, 2002.
- Rich, B. A. The ethics of surrogate decision making. *Western Journal of Medicine*, 176: 127-129, 2002.
- Rich, B. A. The tyranny of judicial formalism: oral directives and the clear and convincing evidence standard. *Cambridge Quarterly of Healthcare Ethics*, 11: 292-302, 2002.
- Rich, B. A. Prognostication in clinical medicine: prophecy or professional responsibility? *The Journal of Legal Medicine*, 23: 297-358, 2002.
- Rich, B. A. Defining and delineating a duty to prognosticate. *Theoretical Medicine*. 22:177-192, 2001.
- Rich, B. A. An ethical analysis of the barriers to effective pain management *Cambridge Quarterly of Healthcare Ethics*. Winter 9:54-70, 2000.
- Rich, B. A. Pain management and the goals of health care: ethical and legal considerations. *Journal of Pharmaceutical Care in Pain and Symptom Control* 2000 8:43-64.
- Rich, B. A. Prescription for the pain: the emerging standard of care for pain management. *William Mitchell Law Review* 26:1-91, 2000.
- Nelson-Marten, P., B. A. Rich. A historical perspective of informed consent in clinical practice and research. *Seminars in Oncology Nursing* May; 15:81-88, 1999.
- Rich, B. A. Pain Management: The Emerging Standard of Care. *Colorado Medicine*, 95:88-89, 1998.
- Rich, B. A. Personhood, patienthood, and clinical practice: reassessing advance directives. *Psychology, Public Policy, and Law*, 4:610-628, 1998.
- Rich, B. A. Pain management: an age old ethic seeks modern standards. *Today's Internist* 39:37-39, 1998.
- Rich, B. A. Advance directives: the next generation. *Journal of Legal Medicine*, 19:63-97, 1998.
- Rich, B. A. A Legacy of silence: bioethics and the culture of pain. *Journal of Medical Humanities* 18:233-259, 1997.
- Rich, B. A. Postmodern personhood: a matter of consciousness. *Special Issue: Bioethics* 11:206-216, 1997.
- Rich, B. A. Prospective autonomy and critical interest: a narrative defense of the moral authority of

## Ben A. Rich, J.D., M.A., Ph.D.

- advance directives. *Cambridge Quarterly of Health Care Ethics* 6:138-147, 1997.
- Rich, B. A. The values history: restoring narrative identity to long term care. *The Journal of Ethics, Law and Aging*, 2:75-84, 1996.
- Rich, B. A. Pain management: legal risks and ethical responsibilities. *Journal of Pharmaceutical Care in Pain & Symptom Management* 5:5-19, 1996.
- Rich, B. A. Postmodern medicine: deconstructing the Hippocratic Oath. *University of Colorado Law Review*, 65:77-136, 1993.
- Rich, B. A. The assault on privacy in healthcare decision making. *Denver University Law Review* 68:1-55, 1991.
- Rich, B. A. The values history: a new standard of care. *Emory Law Journal* 40:1109-1181, 1991.
- Rich, B. A. Malpractice issues in the academic medical center. *Journal of College and University Law* 13:149-177. Reprinted at *Defense Law Journal* 36:641-675, 1987.
- Rich, B. A. Minimizing the risk of obstetrical malpractice. *Hospital Risk Management* 8:107, 1986.
- Rich, B. A. State regulation and the antitrust laws: conflicting roles for National Association of Attorneys General (October) 1-25, 1976.
- Rich, B. A. Sovereign immunity: the liability of government and its officials, National Association of Attorneys General (January) 1-71, 1975.
- Rich, B. A. The Office of Attorney General (Editor). National Association of Attorneys General (1975).
- Rich, B. A. Antitrust manual (Ed.), National Association of Attorneys General, 1975.
- Rich, B. A. Managing recreation rivers. *University of Akron Law Review* 8:43-56, 1974.
- Rich, B. A. Commentary: Equal protection as a means of securing adequate municipal services. *Urban Law Annual*, 277-282, 1973.

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# Richard Rivera, M.D.

Richard Rivera welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Rivera has clinical interests in geriatric anesthesia and difficult airway management.
<b>Title</b>	Clinical Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UCLA School of Medicine, Los Angeles CA 1978 B.S., UC Riverside, Riverside CA 1974
<b>Internships</b>	Internal Medicine, UCLA-VA Hospital, Sepulveda CA 1978-1979
<b>Residency</b>	Anesthesiology, UCLA-Los Angeles Medical Center, Los Angeles CA 1979-1981
<b>Board Certifications</b>	American Board of Anesthesiology, 1984
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists Society for Education in Anesthesia
<b>Select Recent Publications</b>	Rivera R, Antognini J. Geriatric Anesthesia Pharmacokinetics and Pharmacodynamics. Anesthesiology. 2008 May;1176-81.

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# Charandip Sandhu, M.D.

Charandip Sandhu welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Sandhu has clinical interests in acute pain.
<b>Title</b>	Assistant Professor Director, Anesthesiology Resident Program
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Punjabi, Spanish
<b>Education</b>	M.D., Creighton University School of Medicine, Omaha NE 2005 B.A., Creighton University, Omaha NE 2001
<b>Internships</b>	Internal Medicine, UC Davis Medical Center, Sacramento CA 2005-2006
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 2006-2009
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists

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## Nina Schloemerkemper, M.D., FRCA

Nina Schloemerkemper welcomes LGBT patients.

### Philosophy of Care

Most patients feel anxious when they are about to have surgery. Dr. Schloemerkemper tries to alleviate this by strengthening the patient-doctor-relationship and taking patients' concerns seriously. She believes that kindness and honesty are vital. Every patient deserves a customized approach to their anesthetic. There is no one-size-fits-all.

### Clinical Interests

Nina Schloemerkemper joined UC Davis Medical Center in September 2010. She is the Director of the Neuroanesthesia Rotation, which means that she is particularly interested in caring for patients undergoing surgery of the brain or spine. In this role she also oversees the training of the residents in this subspecialty.

Apart from Neuroanesthesia she has a particular interest in the management of the difficult airway, peri-operative allergic reactions and anaphylaxis as well as resident education.

She is part of the OB anesthesia team.

### Research/Academic Interests

Originally from Germany, Nina Schloemerkemper earned her medical degree in 2001 at the University of Lübeck, Germany. She then went on to complete doctoral studies at the same university before starting her anesthesia training at the University of Kiel, Germany.

She completed her training while rotating through several hospitals within London, UK including St. George's Hospital. She became a Fellow of the Royal College of Anaesthetists (FRCA) in 2006 and board certified in Germany in 2008.

**Title** Assistant Clinical Professor

**Specialty** Anesthesiology

**Department** [Anesthesiology](#)

**Division** General Anesthesiology

**Address/Phone** Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817  
**Phone:** 916-734-5028

**Additional Phone** Fax: 916-734-7980  
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

**Languages** German

**Education** M.D., Medical University of Lübeck, Lübeck Germany 2001



## Nina Schloemerkerper, M.D., FRCA

FRCA, The Royal College of Anaesthetists - Great Britain 2008

B.S., Medical University of Lübeck, Lübeck Germany 1996

**Internships** Surgery/Internal Medicine, Northampton General Hospital, Asklepios Klinik, Northampton and Bad Oldesloe, UK and Germany 2001-2003

**Residency** Anesthesia and Intensive Care, Kiel University, Maidstone General Hospital, Kiel, Maidstone, London, Germany and UK 2003-2007

**Fellowships** Neuroanesthesiology, St. George's University Hospital, London UK 2007-2008

**Board Certifications** CA Medical Board, License, 2013

Emergency Neurological Life Support (ENLS), 2014

German Board of Anesthesiology, 2008

Royal College of Anaesthetists, UK, 2005

**Professional Memberships** American Society of Anesthesiologists

California Society of Anesthesiologists

Royal College of Anaesthetists, UK

Society for Neuroscience in Anesthesiology and Critical Care

**Select Recent Publications** Gruenewald M, Zhou J, Schloemerkerper N, Meybohm P, Weiler N, Tonner PH, Scholz J, Bein B. M-Entropy guidance vs standard practice during propofol-remifentanyl anaesthesia: a randomised controlled trial. *Anaesthesia*. 2007 Dec;62(12):1224-9.

Hyperkalemic Periodic Paralysis (HYPP): A case report. R. Bakhtari. N. Schloemerkerper. Poster presentation WARC 2012

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## Samir Jayraj Sheth, M.D.

Samir Jayraj Sheth welcomes LGBT patients.

**Clinical Interests** Dr. Sheth completed his residency in Anesthesiology at Columbia University in New York City and his fellowship in Pain Medicine at the University of California, Davis in Sacramento, CA. He is board certified in both Anesthesiology and Pain Medicine.

As co-director of neuromodulation, much of his interest in pain medicine involves the mechanism of spinal cord stimulation and the treatment of persistent, neuropathic pain with spinal cord stimulation.

He also has an interest in furthering the field of evidenced-based pain medicine. Dr. Sheth's goal is to provide a safe, comprehensive approach to minimize pain.

He has published chapters in pain medicine textbooks and is actively involved in research projects involving low back and neck pain.

**Research/Academic Interests** Dr. Sheth's research interests include: Spinal Cord Stimulation, Neuropathic Pain, Radiofrequency Ablation, and Ultrasound Guided Techniques.

**Title** Assistant Professor, Department of Anesthesiology and Pain Medicine  
Director of Neuromodulation  
Director of Medical Student and Resident Education

**Specialty** Pain Medicine, Anesthesiology

**Department** [Anesthesiology](#)

**Division** Pain Medicine

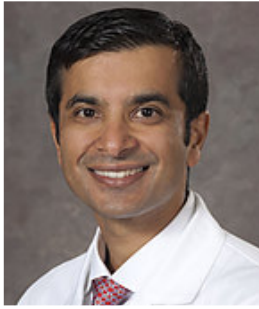
**Center/Program Affiliation** [Spine Center](#)

**Address/Phone** Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 2700 Sacramento, CA 95817  
**Phone:** 916-734-7246

**Additional Phone** Phone: 800-4-UCDAVIS (800-482-3284)

**Languages** Gujarati

**Education** M.D., University of Toledo College of Medicine, Toledo OH 2005  
B.A., Washington University, St. Louis MO 2001



## Samir Jayraj Sheth, M.D.

**Internships** St. Luke's-Roosevelt Hospital Center, New York NY 2005-2006

**Residency** Anesthesiology, Columbia University - New York Presbyterian Hospital, New York NY 2006-2009

**Fellowships** Pain Medicine, UC Davis Medical Center, Sacramento CA 2009-2010

**Board Certifications** American Board of Anesthesiology  
American Board of Anesthesiology, Pain Medicine

**Professional Memberships** American Medical Association  
American Psychiatric Association  
American Society of Anesthesiologists  
International Anesthesiologists Research Society  
International Neuromodulation Society  
International Spine Interventional Society  
New York State Society of Anesthesiologists  
North American Neuromodulation Society

**Select Recent Publications** De Mesa C, Chu I, Furukawa K, Sheth S. Use of Continuous Femoral and Sciatic Nerve Catheters to Facilitate a Multidisciplinary Inpatient-Based Rehabilitation Plan in a Child with Lower Extremity Type 1 Complex Regional Pain Syndrome. Am J Phys Med Rehabil. 2015 Nov;94(11): e114-5.

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## Amrik Singh, M.D.

Amrik Singh welcomes LGBT patients.

<b>Philosophy of Care</b>	Dr. Singh's philosophy of care incorporates evidence-based practice blended with common sense and compassion.
<b>Clinical Interests</b>	Dr. Singh's area of interests include cardiovascular and thoracic anesthesiology and transesophageal echocardiography.
<b>Title</b>	Professor Director, Anesthesiology Residency Program Associate Chief, Division of Perioperative Medicine
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Phone: 916-734-5028 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Languages</b>	Hindi, Punjabi
<b>Education</b>	M.D., Government Medical College Patiala, Patiala, Punjab, 1991 B.S., Government Medical College Patiala, Patiala, Punjab, 1991
<b>Internships</b>	Government Medical College Patiala, Patiala, Punjab, 1992 UC Davis Medical Center, Sacramento CA 1998
<b>Residency</b>	UC Davis Medical Center, Sacramento CA 2001
<b>Fellowships</b>	UC Davis Medical Center, Sacramento CA 2002
<b>Board Certifications</b>	American Board of Anesthesiology, 2002 National Board of Echocardiography, 2003
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists



## Amrik Singh, M.D.

### Honors and Awards

California Society of Anesthesiologists  
Society of Cardiovascular Anesthesiologists  
Outstanding Senior Resident Award, 2001  
Teacher of the Year Award 2002, 2003, 2004, 2005, 2007

### Select Recent Publications

Singh A, Antognini JF. Perioperative hypotension and myocardial ischemia: Diagnostic and therapeutic approaches. *Ann Card Anaesth*, 2011 14(2): 127-32.

Muilenburg OJ, Singh A, Torzilli G, Khatri VP: Surgery in the patient with liver disease. *Medical Clinics of North America*, 2009 Vol. 93(5), pp. 1065-81.

Singh A, Fleming N. Right heart embolism and acute right atrial dilation during total knee arthroplasty. *Anesth Anal*, Nov; 2007; 105(5):1224-7.

Grow MP, Singh A, Fleming NW, Young N, Watnik M. Cardiac output monitoring during off-pump coronary artery bypass grafting. *Journal of Cardiothoracic and Vascular Anesthesia*, 2004; 18(1):43-6.

Singh A, Ayyalapu A, Keochekian A: Anesthetic management in fibrodysplasia ossificans progressiva (FOP): a case report. *Journal of Clinical Anesthesia*, 2003; Vol. 15, pp. 211-213.

Singh A, Antognini JF. Perioperative pharmacology in elderly patients. *Curr Opin Anaesthesiol*, 2010 23(4): 449-54.

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## Naileshni Singh, M.D.

<b>Philosophy of Care</b>	Dr. Singh is interested in interventional pain medicine, neuromodulation, alternative medicine, and pain education.
<b>Clinical Interests</b>	Dr. Singh's clinical duties involve assessing and treating patients of all ages who have acute, chronic, or cancer pain including performing interventional pain procedures and neuromodulation techniques.
<b>Title</b>	Assistant Professor, Pain Medicine Fellowship Director
<b>Specialty</b>	Anesthesiology, Pain Medicine
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Pain Medicine
<b>Center/Program Affiliation</b>	<a href="#">Spine Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, 4860 Y St. Suite 3200 Sacramento, CA 95817
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Stanford University School of Medicine, Stanford CA 2006 B.S., UC Davis, Davis CA 2003
<b>Internships</b>	Transitional Internship, Santa Clara Valley Medical Center, San Jose CA 2006-2007
<b>Residency</b>	Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 2007-2010
<b>Fellowships</b>	Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento CA 2010-2011
<b>Board Certifications</b>	American Board of Anesthesiology American Board of Anesthesiology, Pain Medicine
<b>Professional Memberships</b>	American Academy of Pain Medicine American Medical Association American Society of Anesthesiologists
<b>Honors and Awards</b>	Chief Resident, UC Davis Department of Anesthesiology and Pain Medicine, 2009 Gary Collins, MD Memorial Fellow Teacher of the Year Award, 2011
<b>Select Recent Publications</b>	Arwood E, Rowe JM, Singh NS, Carr DB, Herr KA, Chou R. Implementing a Paradigm Shift: Incorporating Pain Management Competencies into Pre-Licensure Curricula. Pain Med. 2015 Feb;



## Naileshni Singh, M.D.

16(2):291-300. Epub 2014 Sep 22.

Fishman SM, Young HM, Lucas Arwood E, Chou R, Herr K, Murinson BB, Watt-Watson J, Carr DB, Gordon DB, Stevens BJ, Bakerjian D, Ballantyne JC, Courtenay M, Djukic M, Koebner IJ, Mongoven JM, Paice JA, Prasad R, Singh N, Sluka KA, St Marie B, Strassels SA. Core Competencies for Pain Management: Results of an Interprofessional Consensus Summit. *Pain Med.* 2013 Apr 11.

Singh, Naileshni, Scott Fishman, Anna Orlowski, Ben Rich. Prescription Opioid Forgery: Reporting to Law Enforcement and Protection of Medical Information. *Pain Med.* 2013 Mar 5.

Singh N. Patient Education and Self Advocacy: Questions and Responses on Pain Management: Behcet's Disease. *J Pain Palliat Care Pharmacother*, 2011; 25(3): 283-5.

Wilse, BL, Fishman SM, Casamalhuapa C, Singh N. Computerized progress notes for chronic pain patients receiving opioids; the Prescription Opioid Documentation System (PODS). *Pain medicine (Malden, Mass.)*, 2010; 11(11): 1707-17.

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## Timothy John Tautz, M.D.

Timothy John Tautz welcomes LGBT patients.

<b>Clinical Interests</b>	Timothy J. Tautz's clinical interests include: General/Regional anesthesia. He is the leader of the Orthopedic Anesthesia Team and is a member of Acute Pain Services, OB Anesthesia and Ambulatory Anesthesia.
<b>Research/Academic Interests</b>	Dr. Tautz's research interests include Malignant Hyperthermia, Regional anesthesia and acute pain medicine.
<b>Title</b>	Clinical Professor Director, Malignant Hyperthermia Biopsy Testing Center
<b>Specialty</b>	Anesthesiology, Anesthesiology - Regional
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-2431 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., Loma Linda University School of Medicine, Loma Linda CA 1990-1994 B.S., Pacific Union College, Angwin CA 1985-1989
<b>Internships</b>	St. Mary's Hospital, San Francisco CA 1995
<b>Residency</b>	University of California, Davis, Medical Center, Sacramento CA 1995
<b>Board Certifications</b>	American Board of Anesthesiology, 1999
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists

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# Cinthia Tirado, M.D.

Cinthia Tirado welcomes LGBT patients.

<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Puerto Rico School of Medicine, Mayaguez, Puerto Rico 2002 Anesthesiology, University of Puerto Rico, San Juan, Puerto Rico 2002-2004 B.A., university of Puerto Rico, Mayaguez, Puerto Rico 1998
<b>Residency</b>	Anesthesiology, Beth Israel Deaconess Medical Center, Boston MA 2004-2006
<b>Board Certifications</b>	American Board of Anesthesiology
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists

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## Jeannette Patricia Tom-Lerman, M.D.

<b>Clinical Interests</b>	Dr. Tom-Lerman has clinical interests in general anesthesia and difficult airway management. She strives to provide compassionate care to all of her patients.
<b>Title</b>	Assistant Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UCLA School of Medicine, Los Angeles, California, 1991 B.S., UC Riverside, Riverside, California, 1988
<b>Internships</b>	Maricopa Medical Center, University of Arizona, Phoenix, Arizona, 1991-92
<b>Residency</b>	Maricopa Medical Center, University of Arizona, Phoenix, Arizona, 1992-93 Maricopa Medical Center, University of Arizona, Phoenix, Arizona, 1993-96
<b>Board Certifications</b>	American Board of Anesthesiology, 1998 National Board of Medical Examiners, 1992
<b>Professional Memberships</b>	American Society of Anesthesiologists California Society of Anesthesiologists

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## Jeffrey Uppington, M.B.B.S.

Jeffrey Uppington welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Uppington's clinical support involves working in the operating room two-to-three days/week providing cardiothoracic anesthesia, transesophageal echocardiograms (TEE) and general anesthesia. His research includes new anesthetic agents and servo control of anesthetic infusions.
<b>Title</b>	Chief of Staff Clinical Professor
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.B.B.S., The London Hospital Medical School, London, England, 1971
<b>Internships</b>	The London Hospital Medical School, London, 1971
<b>Residency</b>	United Bath Hospitals, Bath, 1972-73 United Bath Hospitals, Bath, 1983-86
<b>Board Certifications</b>	American Board of Anesthesiology, 1988 National Board of Echocardiography, 2002
<b>Professional Memberships</b>	American Society of Anesthesiologists Association of Anesthetics of Great Britain and Ireland Society for Education in Anesthesia Society of Anesthetists of the South Western Region, Great Britain Society of Cardiovascular Anesthesiologists Society of Obstetric Anesthetists, Great Britain



## Jeffrey Uppington, M.B.B.S.

### Select Recent Publications

- 2008 Konia M, Uppington J, Moore P, Liu H. Ascending aortic pseudoaneurysm: a late complication of coronary artery bypass. *Anesth Analg*, 106(3):767-8.
- 2008 Konia MR, Uppington J. Diastolic regurgitation through a bi-leaflet mechanical valve in the mitral position. *Anesth Analg*, 107(4):1166-7.
- 2006 Uppington J: Guidelines, recommendations, protocols and practice, Shorten G, Brown J, Carr O, Puig M, Harmon O, (ed), *Postoperative Pain Management--A Guide to Evidence Based Practice* (Chapter 3), Elsevier.
- 2006 Uppington J: Opioids, Ballantyne JC, (ed), *The Massachusetts General Hospital Handbook of Pain Management, 3rd edition*, Lippincott Williams and Wilkins, 104-26.
- 2002 Uppington J: Opioids (Chapter 9), SM Fishman, Abdi S, (ed), *The Massachusetts General Hospital of Pain Management, 2nd edition*, Lippincott Williams &Wilkins, Philadelphia. 103-124.
- 2000 Sutcliffe DG, Murphy CM, Maslow A, Uppington J, Shorten GO. A comparison of antagonism of rocuronium-induced neuromuscular blockade during sevoflurane and isoflurane anesthesia. *Anaesthesia*, 55(10):960-4.
- 2000 Uppington J: Miscellaneous Issues (Chapter 15), BJ Sweitzer, (ed), *Handbook of Preoperative Assessment and Management*, Lippincott Williams &Wilkins, Philadelphia. 331-366.

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# Nicole A. Weiss, M.D.

Nicole A. Weiss welcomes LGBT patients.

<b>Title</b>	Assistant Professor, Department of Anesthesiology
<b>Specialty</b>	Cardiothoracic Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Phone: 916-734-5031 Fax: 916-734-7980 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., St. Louis University School of Medicine, St. Louis MO 2009 B.A., UC Berkeley, Berkeley CA 2004
<b>Internships</b>	Internal Medicine, Tulane University Medical Center, New Orleans LA 2009-2010
<b>Residency</b>	Anesthesiology, Tulane University Medical Center, New Orleans LA 2010-2013
<b>Fellowships</b>	Cardiothoracic Anesthesiology, Duke University Medical Center, Durham NC 2013-2014
<b>Board Certifications</b>	American Board of Anesthesiology National Board of Echocardiography
<b>Professional Memberships</b>	American Medical Association American Society of Anesthesiologists California Society of Anesthesiologists Society of Cardiovascular Anesthesiologists
<b>Honors and Awards</b>	ASA Resident Component Distinguished Service Award 2011, 2012, 2013
<b>Select Recent Publications</b>	Weiss, N. Advocacy 101, ASA Newsletter 77: 7, July 2013.  Weiss, N. Resolve to be Involved, ASA Newsletter 77:1, January 2013.

Nicole A. Weiss, M.D.

Weiss, N. Legislating for Our Future, ASA Newsletter 76:2, February 2012.

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## David A. White, M.D.

<b>Clinical Interests</b>	David A. White's clinical interests include fiber optic intubation and airway management. He reviewed the anesthesia and analgesia manuscript for critical and trauma care at UC Davis Medical Center, and also served as a consultant and reviewer for the FDA study of the drug mivacurium. White's research interests focus on regulation of skeletal muscle acetylcholine receptors and their effect on neuromuscular blockers, effects of cholinesterase inhibitors on neuromuscular blocking action of suxamethonium, and the relationship of systolic pressure and stroke volume to myocardial contractility.
<b>Title</b>	Emeritus Associate Professor
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC Irvine College of Medicine, Irvine, California, 1979 B.S., UC Irvine, Irvine, California, 1973
<b>Internships</b>	University of California, Davis Medical Center, Sacramento, California, 1979-80
<b>Residency</b>	University of California, Davis Medical Center, Sacramento, California, 1980-83
<b>Board Certifications</b>	American Board of Anesthesiology, 1985
<b>Professional Memberships</b>	American Society of Anesthesiologists Association of University Anesthesiologists California Society of Anesthesiologists International Anesthesiologists Research Society
<b>Select Recent Publications</b>	Fung DL, White DA, Gronert GA, Disbow E. The changing pharmacodynamics of metocurine identify the onset and offset of canine gastrocnemius disuse atrophy. <i>Anesthesiology</i> 1995;83(1): 134-140

## David A. White, M.D.

Reitan JA, Moore PG, Kien ND, Lee S, White DA. The relationship between systolic pressure and stroke volume describes myocardial contractility. *Journal of Cardiothoracic and Vascular Anesthesia* 1995;9(6):676-683

Valdrighi JB, Fleming NW, Smith BK, Baker GL, White DA. Effects of cholinesterase inhibitors on the neuromuscular blocking action of suxamethonium. *British Journal of Anaesthesia* 1994;72:237-239

Reitan JA, Kien ND, Moore PG, White DA. Regional myocardial function during contiguous ischaemia in an anesthetized canine model: comparison of six methods of measurement. *British Journal of Anaesthesia* 1994;73(3) :371-379

Fleming NW, Lewis BK, White DA, Dretchen KL. Acute effects of calcitonin gene-related peptide on the mechanical and electrical responses of the rat hemidiaphragm. *Journal of Pharmacology and Experimental Therapeutics* 1993;265(3):1199-1204

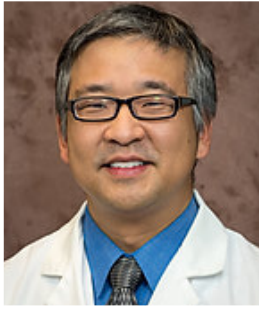
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# David Lewis Wolf, M.D.

<b>Title</b>	Sr. Physician
<b>Specialty</b>	Anesthesiology
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	General Anesthesiology
<b>Address/Phone</b>	Patient Support Services Building, 4150 V St. Suite 1200 Sacramento, CA 95817 <b>Phone:</b> 916-734-5028
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., UC Davis School of Medicine, Sacramento CA 1987 B.S., CSU-Sacramento, Sacramento CA 1983
<b>Internships</b>	Surgery, UC Davis Medical Center, Sacramento CA 1987-1988
<b>Residency</b>	Anesthesiology, UC Davis Medical Center, Sacramento CA 1987-1991
<b>Board Certifications</b>	American Board of Anesthesiology, 1993

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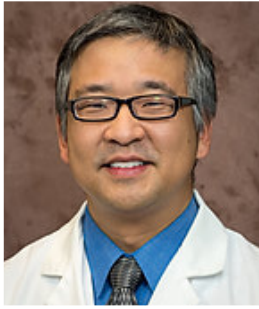




## Aubrey Yao, M.D.

Aubrey Yao welcomes LGBT patients.

<b>Clinical Interests</b>	Dr. Yao's clinical research interests include transesophageal echocardiography, resident education, and anesthesia simulation. His research interests include non-invasive techniques for measuring cardiac output monitoring and non-invasive hemoglobin measurement.
<b>Title</b>	Associate Clinical Professor
<b>Specialty</b>	Anesthesiology, Anesthesiology - Cardiovascular and Thoracic
<b>Department</b>	<a href="#">Anesthesiology</a>
<b>Division</b>	Cardiovascular and Thoracic Anesthesia
<b>Center/Program Affiliation</b>	<a href="#">Cardiovascular Services</a>
<b>Address/Phone</b>	UC Davis Medical Center, 2315 Stockton Blvd. Sacramento, CA 95817 <b>Phone:</b> 800-2-UCDAVIS (800-282-3284)
<b>Additional Phone</b>	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Missouri, Kansas City, School of Medicine, Kansas City MO 2001 B.A., Northwestern University, Evanston IL 1995
<b>Residency</b>	Urology, UC Davis Medical Center, Sacramento CA 2001-2004 Anesthesiology, UC Davis Medical Center, Sacramento CA 2005-2008
<b>Fellowships</b>	Adult Cardiothoracic Anesthesiology, UC Davis Medical Center, Sacramento CA 2008-2009
<b>Board Certifications</b>	American Board of Anesthesiology, 2009 National Board of Echocardiography - Advanced Perioperative Transesophageal Echocardiography, 2009
<b>Professional Memberships</b>	American Society of Anesthesiologists International Anesthesia Research Society Society of Cardiovascular Anesthesiologists
<b>Honors and Awards</b>	Dean's Team Award for Excellence - Code Blue Team Training, 2013 Outstanding Resident Teaching Award, UC Davis Department of Anesthesiology and Pain Medicine, 2011



## Aubrey Yao, M.D.

Clinical Fellow Professionalism Award, UC Davis, Department of Anesthesiology and Pain Medicine, Sacramento, CA, 2009

Sara C. Armstrong Award for Compassionate Care, UC Davis Health System, Sacramento, CA, 2009

Anesthesiology Resident of the Year, UC Davis, Department of Anesthesiology and Pain Medicine, Sacramento, CA, 2007

Abbott Laboratories Resident Research Award Finalist, CSA Annual Meeting, San Diego, CA, 2007

Honors earned in Urology, Transplant Surgery, Surgery, General Surgery, Psychiatry, Family Medicine, Clinical Pharmacology, University of Missouri at Kansas City, 2001

National Merit Scholar, Northwestern University, 1995

### Select Recent Publications

Barton J, Alsomali S, Ng V, Clarke S, Yao A, Carlisle M, Dunbar K, Hammontree W, Bair A. Impact of Multidisciplinary Team Training and High Fidelity Simulation In Critical Patient Scenarios. *Med Sci Educ (JIAMSE)*. 2013 Oct;23(3S):532-540.

Konia M, Yao A. Simulation-a new educational paradigm? *J Biomed Res*. 2013 Mar;27(2):75-80.

Yao A, et al. The effects of aromatic anesthetics on dorsal horn neuronal responses to noxious stimulation. *Anesth Analg*. 2009 June;106(6):1759-64.

2007 Kim J, Yao A, et al. Neurons in the ventral spinal cord are more depressed by isoflurane, halothane and propofol than are neurons in the dorsal spinal cord. *Anesth Analg*. 2007 Oct;105(4):1020-6.

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# Jon Y. Zhou, M.D.

Jon Y. Zhou welcomes LGBT patients.

**Philosophy of Care** Dr. Zhou strives to care for patients peri-operatively with compassion, respect and utilizes an evidence based approach. His goal is to provide excellent care for patients in the peri-operative environment and use multi-modal approaches to control both acute and chronic pain at UC Davis Medical Center.

**Clinical Interests** Dr. Zhou's clinical interests include Acute and Chronic Pain Management, Obstetric anesthesia and Regional anesthesiology.

**Research/Academic Interests** Dr Jon Zhou is a board certified anesthesiologist and pain medicine specialist and faculty in the Anesthesiology and Pain Medicine at UC Davis Medical Center. He specializes in peri-operative general anesthesiology, OB anesthesiology, and regional anesthesia/acute pain medicine. Dr. Zhou has research interests in medical informatics, acute pain medicine, and regional anesthesia. He is committed to improving resident education and advancing the long term goals of UCDCMC.

Dr. Zhou completed his undergraduate degree in Biological Basis of Behavior and Anthropology at the University of Pennsylvania. He went to Jefferson Medical College for his medical school education and subsequently stayed to complete his residency in Anesthesiology at Jefferson University Hospital in Philadelphia, PA. He then came to UC Davis to complete his fellowship in pain medicine.

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**Specialty** Anesthesiology

**Department** [Anesthesiology](#)

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B.A., University of Pennsylvania, Philadelphia PA 2005

# Jon Y. Zhou, M.D.

**Internships** Internal Medicine, Mercy Fitzgerald Hospital, Darby PA 2010-2011

**Residency** Anesthesiology, Thomas Jefferson University Hospital, Philadelphia PA 2011-2014

**Fellowships** Pain Medicine, UC Davis Medical Center, Sacramento CA 2014-2015

**Board Certifications** American Board of Anesthesiology  
American Board of Anesthesiology, Pain Medicine

**Professional Memberships** American Society of Anesthesiologists  
American Society of Regional Anesthesia and Pain Medicine

**Select Recent Publications** Liu SS, Buvanendran A, Viscusi ER, Hutton E, Lubenow T, Zhou J, Shaw PM, Moric M, Lenart S. Uncomplicated removal of epidural catheters in 4365 patients with international normalized ratio greater than 1.4 during initiation of warfarin therapy. *Reg Anesth Pain Med.* 2011 May-Jun;36(3): 231-5.

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