

2010 C R A S H

Colorado Review of Anesthesia for Surgicenters and Hospitals

University of Colorado Denver
SCHOOL OF MEDICINE
Advancing Science
Improving Care.

Department of
Anesthesiology

Sponsored by the
University of
Colorado Denver
School of Medicine
Office of Continuing
Medical Education

Sunday, February 28
to
Friday, March 5, 2010

Vail, Colorado



HOSTED BY

Thomas Henthorn, MD
Professor and Chair of
Anesthesiology
University of Colorado Denver

CRASH DIRECTED BY

Rita Agarwal, MD, FAAP
Associate Professor
Program Director

DEPARTMENT OF ANESTHESIOLOGY FACULTY

John Armstrong, MD
Associate Professor

Fadi Nasrallah, MD, MBA
Associate Professor

Brenda Bucklin, MD
Professor

Ferenc Puskas, MD, PhD
Associate Professor

Mark Chandler, MD
Assistant Professor

Steve Santangelo, MD
Assistant Professor

Christopher Ciarallo, MD
Assistant Professor

Michael Sawyer, MD
Assistant Professor

Randall Clark, MD
Assistant Professor and
Interim Chair of
Pediatric Anesthesia

Tamas Seres, MD
Associate Professor

Mindy Cohen, MD
Pediatric Anesthesia Fellow

Jeffrey Shiffrin, MD
Assistant Professor

Matthew Fiegel, MD
Assistant Professor

Tod Sloan, MD, MBA, PhD
Professor

Glenn Gravlee, MD
Professor

Nathaniel Weitzel, MD
Assistant Professor

Adrian Hendrickse, MD
Associate Professor

Paul Wischmeyer, MD
Associate Professor

Geoffrey Lane, MB, BChir
Professor

Lisa Wise-Faberowski, MD
Assistant Professor

COURSE ADVISORS

Joy Hawkins, MD
Professor of Anesthesiology
Director of
Obstetric Anesthesia

Daniel Janik, MD
Associate Professor
Co-Director Neuro-
physiologic Monitoring

GUEST SPEAKERS

Girish P. Joshi, MB BS, MD, FFARCSI
Professor of Anesthesiology & Pain Management
Director of Perioperative Medicine & Ambulatory Anesthesia
University of Texas Southwestern Medical Center

Susan Staudt, MD
Assistant Professor of Anesthesiology & Pediatrics
Pediatric Anesthesiology Fellowship Program Director
Medical College of Wisconsin

Neil Farber, MD, PhD
Associate Professor of Anesthesiology
Pediatrics and Pharmacology & Toxicology
Medical College of Wisconsin
Director of Pediatric Anesthesiology Research
Children's Hospital of Wisconsin

COURSE INFORMATION / GENERAL INFORMATION

Course Format

The week-long course will consist of:

- Early morning and late afternoon sessions with seven hours of free time
- Question and answer panels at the end of each lecture session
- Flash drives containing lecture handouts
- 3 sessions of Workshops and roundtable discussions on **Monday & Tuesday afternoon, & Wednesday morning**
- Commercial exhibits of new equipment, pharmaceuticals & medical books
- ACLS/BLS/PALS certification classes

Vail Marriott Mountain Resort & Spa (800) 648-0720 Host Hotel for CRASH 2010

- Located in Lionshead; walking distance to restaurants
- Vail's largest full-service hotel
- 200 yards from the Lionshead gondola
- European Day Spa, athletic club & indoor/outdoor pools & jacuzzis
- CRASH 2010 Group Rates* (subject to availability)

Cut-off date: **Monday, 26 January 2010 (book early for discount rates)**

Type Room	Group Code	Room Cost
Standard/Lodge	crscrsa	\$309
Deluxe King	crscrsk	\$339
Studio King	crscrsd	\$339

Make your Marriott reservation through our web site at www.cucrash.com/lodging or www.stayatmarriott.com using group codes stated above.

All rates are subject to state/local taxes. Check-in time is 4:00 p.m. on your arrival date. Alternate accommodations can be found on our website under 'Lodging,' <http://www.cucrash.com/lodging.htm>.

Ski Equipment Charter Sports 1-888-295-9797

Located inside the Vail Marriott Mountain Resort. Pre-registration forms available online at <http://www.cucrash.com/equiprental.htm> select CRASH 2010 to qualify for discount rentals.

Vail Mountain (<http://www.vail.snow.com>)

- 120 miles from Denver International Airport and 35 miles from Eagle County Regional Airport.
- 193 trails on over 5,289 acres
- 33 chairlifts, 14 high-speed quad lifts

Call the Marriott Concierge Desk for a full listing of activities and reservations at 970-476-4444.

Lift Ticket

Information <http://cucrash.com/lift%20Ticket.htm>

Travel

Purchase Ground Transportation ONLY: Colorado Mountain Express 800-525-6363. Please feel free to check out our website which links to Colorado Mountain Express for current prices and reservation. Group Code: **CRASH**.

ACCREDITATION

The University of Colorado Denver School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Colorado Denver School of Medicine designates this educational activity for a maximum of **28 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Application for category 2-A credits has been filed with the American Osteopathic Association. AANA: Approved by the American Association of Nurse Anesthetist for **28 CE credits; Code Number 32044; Expiration Date: 5 March 2010**.

THE PROGRAM

SUNDAY, 28 FEBRUARY

- 9:00 am- 7:30 pm Registration
- 3:00-4:00 Anesthetic Management of the Preeclamptic Patient
Dr. Hawkins
- 4:00-5:00 Spinal Cord Monitoring
Dr. Janik
- 5:00-6:00 Glycemic Control in Ambulatory Surgery
Dr. Joshi
- 6:00-6:30 Questions & Answers
Drs. Hawkins, Janik, & Joshi
- 6:30-7:30 Welcome Reception

MONDAY, 1 MARCH

- 6:30-7:00 am Hot Breakfast Buffet/Exhibits
- 7:00-8:00 Adult Patient with Obstructive Sleep Apnea
Dr. Joshi
- 8:00-9:00 New Developments in the Management of the Traumatized Patient
Dr. Chandler
- 9:00-9:30 Questions & Answers
Drs. Joshi & Chandler
- 9:30 am Exhibits & Break

AFTERNOON WORKSHOPS

- 3:30 pm Exhibits/Cocktails/Refreshments
- 4:00-7:00 Comprehensive Airway Management
Drs. Chandler, Henthorn, Janik, Lane, & Sawyer
- 4:00-7:00 Ultrasound Guided Regional Anesthesia
Drs. Armstrong, Ciarallo, Fiegel, Hendrickse, Santangelo, & Shiffrin
- 4:00-7:00 TEE for the General Anesthesiologist
Drs. Seres & Weitzel
- 4:00-7:00 Conflict Management for the Anesthesia Team
(advance sign-up required)
Drs. Staudt & Faber
- 7:00 pm Exhibits & Break

TUESDAY, 2 MARCH

- 6:30-8:00 am Hot Breakfast Buffet/Exhibits
- 7:00-8:00 Pediatric Anesthesia Update
Dr. Agarwal
- 8:00-9:00 Cardiac Evaluation for Non- Cardiac Surgery: Clinical Application of Revised Guidelines
Dr. Weitzel

CONT. TUESDAY, 2 MARCH

- 9:00-9:30 am Questions and Answers
Drs. Agarwal & Weitzel
- 9:30 Exhibits & Break
- ### AFTERNOON WORKSHOPS
- 3:30 pm Exhibits/Cocktails/Refreshments
- 4:00-7:00 Comprehensive Airway Management
Drs. Chandler, Henthorn, Janik, Lane, & Sawyer
- 4:00-7:00 Ultrasound Guided Regional Anesthesia
Drs. Armstrong, Ciarallo, Fiegel, Hendrickse, Santangelo, & Shiffrin
- 4:00-7:00 Advanced TEE Part 1
Drs. Seres & Nasrallah
- 4:00-7:00 Conflict Management
(advance sign-up required)
Drs. Staudt & Faber

WEDNESDAY, 3 MARCH

- 6:30-7:00 am Hot Breakfast Buffet/Exhibits
- ### MORNING WORKSHOPS
- 7:00-8:15 Pediatric Controversies &
Dr. Agarwal & Staudt
- 8:15-9:30 Clinical Issues in Obstetric Anesthesia
Drs. Hawkins & Bucklin
- 7:00-8:15 Future Professional and Practice & Challenges
Drs. Clark & Gravlee
- 8:15-9:30 Advanced TEE Part 2
Drs. Puskas & Nasrallah

9:30 - PALS/BLS
1:00 - ACLS/BLS
SIGN-UP REQUIRED PRIOR TO CLASS

- 12:00 pm NASTAR Race
- ### AFTERNOON WORKSHOPS
- 3:30 Exhibits/Cocktails/Refreshments
- 4:00-4:50 Make it Stop: A Rational Approach to the Bleeding Patient
Dr. Fiegel
- 4:50-5:40 Patients with Implantable Cardioverter Defibrillator: Are They Suitable for Ambulatory Surgery?
Dr. Joshi
- 5:40-6:30 Your Response to Anesthesia: Is it in Your Genes?
Dr. Cohen
- 6:30-7:00 Questions and Answers
Drs. Fiegel, Joshi, & Cohen

THURSDAY 4 MARCH

- 6:30-8:00 am Hot Breakfast Buffet/Exhibits
- 7:00-8:00 Cardiac Anesthesia Update
Dr. Gravlee
- 8:00-9:00 Neurotoxicity of Anesthesia in the Developing Brain: Will This Anesthetic Make My Baby Stupid?
Dr. Wise-Faberowski
- 9:00-9:30 Questions & Answers
Drs. Gravlee & Wise-Faberowski
- 9:30 Exhibits & Break
- 9:30 - PALS/BLS
1:00 - ACLS/BLS
SIGN-UP REQUIRED PRIOR TO CLASS
- 3:30-4:00 pm Exhibits/Cocktails/Refreshments
- 4:00-4:50 Regional Anesthesia in Private Practice
Dr. Santangelo
- 4:50-5:40 New Concepts in Neuro-muscular Blockade Emphasis on Postoperative Residual Paralysis
Dr. Joshi
- 5:40-6:30 What's New in Anesthesia Pharmacology Literature?
Dr. Henthorn
- 6:30-7:00 Questions & Answers
Drs. Santangelo, Joshi, & Henthorn

FRIDAY, 5 MARCH

- 6:30-7:00 am Hot Breakfast Buffet/Exhibits
- 7:00-8:00 Managing the Patient with Increased Intracranial Pressure
Dr. Sloan
- 8:00-9:00 Nothing Endures but Change: What's New in Critical Care in 2010
Dr. Wischmeyer
- 9:00-9:30 Questions and Answers
Drs. Sloan & Wischmeyer
- 9:30 **Lottery: Books (Must be present to win!)**
- 9:45 **ADJOURN UNTIL CRASH 2011 27 FEBRUARY to 4 MARCH**

***EDUCATIONAL OBJECTIVES available online at WWW.CUCRASH.COM. Click on Objectives

	CRASH Alumni	Early Fees	Late Fees
Physician/CRNA/AA/PA/RN	\$ 800	\$ 890	\$ 950
Military - Physician/CRNA	\$ 700	\$ 790	\$ 850
Resident (with accompanying letter)		\$ 500	\$ 550

Guest Fees - \$150 per guest, children under 12 are free for buffet breakfast and afternoon refreshments during meeting times.

Registration Fee includes: buffet breakfast, afternoon refreshments, all lectures and free workshops, flash drive, and other related course materials.

Workshop Fees

(Indicate your preference for each session)

Ultrasound Guided Regional Anesthesia <i>Monday, 1 March and Tuesday, 2 March</i>	4:00-7:00 pm	\$50 each
Comprehensive Airway Management <i>Monday, 1 March and Tuesday, 2 March</i>	4:00-7:00 pm	\$25 each
TEE Courses TEE for the General Anesthesiologist <i>Monday, 1 March</i>	4:00-7:00 pm	\$30 Total (\$10 each)
Advanced TEE Part 1 - <i>Tuesday, 2 March</i>	4:00-7:00 pm	
Advanced TEE Part 2 - <i>Wednesday, 3 March</i>	7:00-9:30 am	
Conflict Management for the Anesthesia Team (advance sign-up required) <i>Monday, 1 March and Tuesday, 2 March</i>	4:00-7:00 pm	\$FREE!
Clinical Issues in Obstetric Anesthesia <i>Wednesday, 3 March</i>	7:00-8:15 & 8:15-9:30 am	\$FREE!

Pediatric Controversies **\$FREE!**

Wednesday, 3 March 7:00-8:15 & 8:15-9:30 am

Future Professional & Practice Challenges **\$FREE!**

Wednesday, 3 March 7:00-8:15 & 8:15-9:30 am

****ACLS/BLS/PALS** - Wednesday, 3 March and Thursday, 4 March: CRASH is proud to offer a recertification in all three disciplines at the conference this year. These American Heart Association (AHA) courses incorporate online education in conjunction with classroom skill/knowledge verification performed at the conference. Please look for detailed information and registration applications at www.cucrash.com/acls-bls.htm. Please register early and direct any questions to the ACLS/BLS/PALS Course Director, Kpaston@healthparadigms.com.

Refund Policy:

A refund of the registration fees, minus 10% will be allowed when requested in writing and postmarked no later than January 26, 2010

Objectives: For my practice I can

1. Identify which obstetric patients will need immediate anesthesia intervention
2. Recognize which patients would benefit from spinal cord monitoring and how to optimize their outcome
3. Which patients with a variety of co-morbidities are appropriate for outpatient surgery
4. Improve my skills performing regional anesthesia, difficult airway management, conflict management and TEE evaluation
5. Analyze what the latest research in cardiac, pediatric and OB anesthesia, pharmacology and pharmaco-genetics, and utilize these advances to improve patient outcomes.

CRASH 2010 participants and their guests are invited to attend the following events:

Opening Reception: Sunday, 28 February, 6:30-7:30 pm

NASTAR Race: Wednesday, 3 March - 12:00 pm

VISIT: www.cucrash.com to register

2010 CRASH REGISTRATION

Name: _____

Title/Degree: _____

Affiliation: _____

Address: _____

City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: W/ _____ H/ _____


Email address: _____

(Confirm my registration by e-mail (provide address above))

Would you like to be notified by email from CRASH? Yes No

The information of CRASH registrants will not be sold or used for anything other than CRASH programs.

Please indicate if you have any special assistance needs.

 _____

Detach and return to:

CRASH 2010 UCD-CME

Mail Stop 8202

AOI, 12631 E. 17th Avenue

Aurora, CO 80045

Telephone: 303-724-1977 or 1-800-882-9153

Fax: 303-724-1761

For more information please contact:

Course Director: Rita Agarwal, MD, agarwal.rita@tchden.org or

Course Coordinator: Beverly Janik, beverly.janik@ucdenver.edu

Register online: www.cucrash.com

REGISTRATION FEES

January 26, 2010 Cut-off:	CRASH Alumni	Early Fees	Late Fees
Physician/CRNA/PA/AA/RN	\$800	\$890	\$950
AANA # _____			
Military - Physician/CRNA	\$700	\$790	\$850
Resident in Training		\$500	\$550
Guest Fees (per guest)		\$150	
Guest Name(s) _____			

Workshop Fees: CIRCLE YOUR CHOICE:

- Ultrasound Guided Regional Anesthesia (choose one) (\$50 ea)	_____
Monday, 1 March	4:00 pm
Tuesday, 2 March	4:00 pm
- Comprehensive Airway Management (choose one) (\$25 ea)	_____
Monday, 1 March	4:00 pm
Tuesday, 2 March	4:00 pm
TEE Courses (\$10 ea)	_____
- For the General Anesthesiologist - Monday, 1 March, 4:00 - 7:00 pm	
- Advanced TEE Part 1 - Tuesday, 2 March, 4:00 - 7:00 pm	
- Advanced TEE Part 2 - Wednesday, 3 March, 7:00 - 9:30 am	
- Conflict Management for the Anesthesia Team (Free)	_____
(choose one)	
Monday, 1 March	4:00 pm
Tuesday, 2 March	4:00 pm
- Clinical Issues in Obstetric Anesthesia (Free)	_____
Wednesday, 3 March	7:00 am or 8:15 am
- Pediatric Controversies (Free)	_____
Wednesday, 3 March	7:00 am or 8:15 am
- Future Professional & Practice Challenges (Free)	_____
Wednesday, 3 March	7:00 am or 8:15 am
Final Bill Total	\$ _____

Enclosed is my check made payable to: CRASH 2010/CME or:

Charge Visa MasterCard

Credit Card # _____ Exp. Date _____

Signature _____ Sec Code _____