

WELCOME TO THE CAROLINA REFRESHER COURSE, a unique and enjoyable learning experience utilizing interactive lectures, speaker question and answer panels, lunch and learn small group problem-based learning discussions, and a MOCA certified simulation course. We offer you a faculty of internationally known guest speakers, along with our outstanding UNC faculty in medicine, surgery and anesthesiology. This is a course you won't want to miss.

Once again, we are pleased to partner with the Medical University of South Carolina to offer a Maintenance of Certification in Anesthesiology (MOCA) certified simulation course as a pre-conference option to our registrants. The Carolina Refresher Course is structured to provide lectures and small group discussions in the morning, with the afternoons free to relax and enjoy the amenities of this beautiful barrier island or explore the nearby historic city of Charleston. We hope you will be able to join us at this exceptional venue for what promises to be a relaxing and enjoyable week of continuing medical education at its finest.

NATE PAINTER, MD
Assistant Professor of Anesthesiology
University of North Carolina at Chapel Hill
Carolina Refresher Course Co-Director

DAVID HARDMAN, MD, MBA
Professor and Vice Chair for Professional Affairs
University of North Carolina at Chapel Hill
Carolina Refresher Course Director

Save the Date for FUTURE CAROLINA
REFRESHER COURSES AT KIAWAH ISLAND!

June 22-25, 2016

Register for Pre-Conference
MOCA CERTIFIED SIMULATOR COURSE

June 22-23 BY CALLING 843-792-1459

\$200
DISCOUNT
OFFERED

Carolina Refresher Course Faculty

RICHARD L. RAUCK, MD Founder, Carolina Pain Institute Associate Professor of Anesthesiology Wake Forest School of Medicine Winston-Salem, North Carolina	EUGENE R. VISCUSI, MD Director, Acute Pain Management Jefferson University Hospitals Philadelphia, PA	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL FACULTY	Department of Medicine STEPHEN DECHERNEY, MD, MPH Professor of Medicine and Professor of Business (adjunct) Kean-Flagler School of Business PRAASHANT KAVI, MD, FACC, FSCAI Director, UNC Chest Pain Center Assistant Professor of Medicine MARK A. FARBER, MD Professor of Surgery
DAVID A. GERBER, MD, FACS Chief, Abdominal Transplant Surgery, Professor of Surgery,	HARENDRA ARORA, MD Professor of Anesthesiology	HEMANTH A. BABOOLAL, MBCHB, FRCA Assistant Professor of Anesthesiology and Pediatrics	BRIAN P. BARRICK, DDS, MD Associate Professor of Anesthesiology
MONIKA NANDA, MBBS, MPH Assistant Professor of Anesthesiology	ANTHONY N. PASSANANTTE, MD Professor and Vice Chair of Anesthesiology	JANEY R. PHELPS, MD Assistant Professor of Anesthesiology and Pediatrics	KATHLEEN A. SMITH, MD Associate Professor of Anesthesiology and Obstetrics and Gynecology
REDERICK J. SPIELMAN, MD Professor of Anesthesiology and Obstetrics and Gynecology	MARJORIE A. STEGLER, MD Associate Professor of Anesthesiology	SHARON T. KAPLUR, MD Associate Professor of Anesthesiology	LAVINIA M. KOIARACZYK, MD Assistant Professor of Anesthesiology
MATTHIAS W. KONIG, MD Associate Professor of Anesthesiology and Pediatrics	PRIYA A. KUMAR, MD Professor of Anesthesiology	SAMUEL T. MCLEAN, MD, MPH Professor of Emergency Medicine	

COURSE DIRECTORS	GUEST FACULTY
DAVID HARDMAN, MD, MBA Professor of Anesthesiology Course Director	RICHARD P. DUTTON, MD, MBA Executive Director of the Anesthesia Quality Institute, Visiting Professor of Anesthesiology, University of Maryland School of Medicine Baltimore, Maryland
NATE PAINTER, MD Assistant Professor of Anesthesiology Course Co-Director	ADAMIR HADZIC, MD, PhD Director/Curator of New York School of Regional Anesthesia, Professor of Anesthesiology, Mount Sinai St. Luke's Roosevelt New York, New York
EUGENE W. MORETTI, MD, MHSC Professor of Anesthesiology and Critical Care Specialist Duke University Medical Center Durham, North Carolina	

Register early at
WWW.AIMS.UNC.EDU
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Registration Fees!



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to get started.



UNC
SCHOOL OF MEDICINE



28TH ANNUAL PROGRAM
Carolina Refresher Course
UPDATE in
ANESTHESIOLOGY,
PAIN and
CRITICAL CARE
MEDICINE

Kiawah Island
SOUTH CAROLINA
JUNE 24-27, 2015



Register online at
WWW.AIMS.UNC.EDU

Conference Location: All sessions will be conducted at the East Beach Conference Center, Kiawah Island Resort. Kiawah Island is 21 miles south of Charleston and a 45-minute drive from Charleston International Airport (CHS). Additional resort information is available at www.kiawahisland.com.

Kiawah Island Resort is on a lush barrier island with unspoiled beaches, great visibility due to lack of high rises, waterways perfect for kayaking, and one of the top US golf courses. And be sure to sample the Southern charm, sights and world-class restaurants of Charleston, one of the best preserved colonial cities in America.

Staying in Kiawah: A block of 1- and 2-bedroom condos has been reserved for attendees of the Carolina Refresher Course at the Kiawah Island Resort. To make a reservation, please call Kiawah Island Resort at (800) 654-2924 and identify yourself with the UNC School of Medicine, booking code 10349. Individuals are responsible for making their own reservations. A non-refundable deposit equal to one night's stay per reserved accommodation is required. The deposit guarantees accommodations for the scheduled arrival day and will be applied to the last night's reservation. Early departure, or failure to arrive on the scheduled arrival day, will result in forfeiture of the deposit. It is recommended that reservations be made at the earliest opportunity. There are a limited number of rooms at the preferred rate, and they book quickly! In addition, a limited block of rooms is available at the beachfront Sanctuary luxury hotel upon request. Please contact Kiawah Resort for prices and availability.

Kiawah Island Condominium Room Rates: One Bedroom **\$235**, Two Bedroom **\$280**

Registration Fee:	June 10-30 20% off	Before 12/31 15% off	Before 3/16 10% off	After 3/16	On Site
Physician	\$600	\$635	\$675	\$750	\$799
CRNA, Resident, Fellow, Allied Health	\$520	\$550	\$585	\$650	\$699

LUNCH AND LEARN: Problem-Based Learning Discussion sessions will incur an additional registration fee of \$35 but will include a boxed lunch and drink. They are limited to 12 participants each, so please register early as they tend to fill quickly. Case discussions and references will be emailed to registered attendees two weeks prior to the course.

The registration fee includes a flash drive containing teaching materials, breakfast each morning, and refreshments during the meeting breaks. Residents must provide a letter from the residency program director at the time of registration to qualify for the reduced rate.

Registration fees do not include family members for breakfast or refreshments.



Educational Objectives:

- Describe the latest information regarding the management of anesthetic emergencies in the surgical patient, focusing on perioperative endocrine emergencies, the challenges of laparoscopic surgery, evolving transfusion practices, oxygen use in the ICU patient, and ECMO for refractory cardiac arrest
- Assess the function of the UNOS transplant organ allocation system
- Analyze new interventions for the treatment of chronic pain and describe the neurobiological stress system and how it may modulate acute pain to a more chronic problem
- Describe how the Anesthesia Quality Institute can help collect big data for evaluation and use in various research arenas, including the development of checklists and their impact on patient care
- Evaluate new standards that are being implemented for regional anesthetics

Statement of Need: Anesthesiology, Pain, and Critical Care Medicine are medical disciplines uniquely characterized by an exponentially expanding base of peer reviewed literature, evolving technology, and new techniques combined with ever increasing clinical realms of practice in which this novel information is relevant. The Carolina Refresher Course seeks to present a portion of this material in a format that emphasizes utility, practicality, and retention so that the content learned may be easily and effectively applied in the improvement of patient safety, comfort, and satisfaction.

Target Audience: The course is designed for physicians, including but not limited to anesthesiologists, critical care specialists, pain specialists, surgeons, and internists, as well as nurse anesthetists, anesthesiology resident and fellow physicians, anesthesiologist assistants, and allied services practitioners.

Credit Designation Statement:

PHYSICIANS: The Mountain AHEC designates this live educational activity for a maximum of 23 AMA PRA Category I Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
CRNAs: This program has been approved by the American Association of Nurse Anesthetists for 23 CE credits; Code Number TBD; Expiration Date 6/27/2015.

Accreditation: This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Mountain Area Health Education Center and UNC School of Medicine Department of Anesthesiology. The Mountain AHEC is accredited by the ACCME to provide continuing medical education for physicians.

Contact Information: For additional information, please send an email to: anesthesiologycme@aims.unc.edu with “CRC 2015” in the subject line. You may also contact Mountain AHEC, at registration@mahec.net or (828) 257-4475.

Policy on Faculty and Sponsor Disclosures: MAHEC adheres to the Standards for Commercial Support of the Accreditation Council for Continuing Education (ACCME), North Carolina Nurses Association (NCNA) and American Nurses Credentialing Center's Commission on Accreditation (ANCCOA), Accreditation Council on Pharmacy Education (ACPE), Academy of General Dentistry (AGD), and Allied and Mental Health accreditation bodies as appropriate. It is the policy of MAHEC to ensure balance, independence, objectivity, and scientific rigor in all its individually sponsored or jointly sponsored/co-provided educational activities.

ADA Statement: If any attendee requires the use of auxiliary aids or services identified by the Americans with Disabilities Act in order to attend the conference, he or she should contact Customer Service (registration@mahec.net) at Mountain AHEC to make the needed arrangements.

Refund/Credit/Payment/Cancellation Policy: Registrants canceling at least one month in advance of the program will receive a full refund of the conference registration price. Cancellations between one month and two weeks in advance of the program start date will receive a 50% refund of fees. No refunds will be issued on cancellations within two weeks of the program start date. All cancellations must be submitted in writing (fax, mail or email).



Register now!

Scan the code
to get started.

CAROLINA REFRESHER COURSE 2015:

Update in Anesthesiology,
Pain, & Critical Care Medicine

DAILY AGENDA

JUNE 24-27, 2015

TIME WEDNESDAY, JUNE 24

6:15 - 7:00	Continental Breakfast
6:55 – 7:00	Welcome and Daily Announcements David Hardman, MD, MBA Nate Painter, MD
7:00 - 7:30	Who Needs a Pre-Op Evaluation, Anyway? Anthony N. Passannante, MD
7:30 - 8:00	Cardiology Update 2015: Atrial Fibrillation, Stents, and Acute MI Prashant Kaul, MD, FACC, FSCAI
8:00 - 8:30	Endovascular Aortic Procedures: A Surgical Perspective Mark A. Farber, MD
8:30 - 9:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD
9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Perioperative Diabetic Management: What You Need to Know in 2015 Stephen DeCherney, MD, MPH
10:00 - 10:30	Lessons Learned from the Himalayas: Oxygen and the ICU Patient Eugene W. Moretti, MD, MHSc
10:30 - 11:00	Beyond ACLS: V-A ECMO for Refractory Cardiac Arrest Lavinia M. Kolarczyk, MD
11:00 - 11:30	Septic Shock: Evidence-Based Update Eugene W. Moretti, MD, MHSc
11:30 - 12:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD

TIME THURSDAY, JUNE 25

6:15 - 6:55	Continental Breakfast
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate Painter, MD
7:00 – 7:30	Liver Transplantation: Past, Present and Future David A. Gerber, MD, FACS
7:30 - 8:00	Perioperative Endocrine Emergencies Stephen DeCherney, MD, MPH
8:00- 8:30	Understanding the UNOS Transplant Organ Allocation System David A. Gerber, MD, FACS
8:30 - 9:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD
9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Anesthesia Challenges of Laparoscopic Surgery in the Pediatric Patient Hemanth A. Baboolal, MBChB, FRCA
10:00 - 10:30	Environmental Sustainability in the Perioperative Setting Brian P. Barrick, DDS, MD
10:30 - 11:00	Myths, Facts and Fiction in Pediatric Anesthesia Teaching Matthias W. Konig, MD
11:00 - 11:30	Pre-Eclampsia: A Review and Update of the Literature Kathleen A. Smith, MD
11:30 - 12:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD

TIME FRIDAY, JUNE 26

6:15-6:55	Continental Breakfast
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate Painter, MD
7:00-7:30	Management of Complex Regional Pain Syndrome Richard L. Rauck, MD
7:30-8:00	Neurobiological Stress Systems Impact the Transition from Acute to Chronic Pain: What is the Evidence and What Can We Do About It? Samuel L. McLean, MD, MPH
8:00-8:30	Liposomal Bupivacaine: Game-Changer for Anesthesia and Surgery? Eugene R. Viscusi, MD
8:30-9:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD
9:00-9:30	Break and Exhibits
9:30-10:00	Evidence-based Interventional Therapies and Chronic Pain Richard L. Rauck, MD
10:00-10:30	Discovery Followed by Dismay: Why Are Most Major Research Studies Failing to Replicate? Samuel L. McLean, MD, MPH
10:30-11:00	Investigational Drugs in Pain Medicine Eugene R. Viscusi, MD
11:00 - 11:30	Spinal Cord Stimulators: Mechanisms of Action Richard L. Rauck, MD
11:30 - 12:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD

TIME SATURDAY, JUNE 27

6:15 - 7:00	Continental Breakfast
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate Painter, MD
7:00 - 7:30	Quality in Anesthesia: What are the Metrics? Richard P. Dutton, MD, MBA
7:30 - 8:00	Introducing Standards in Regional Anesthesia Admir Hadzic, MD, PhD
8:00 - 8:30	Concepts and Controversies in Acute Pain Management Eugene R. Viscusi, MD
8:30 - 9:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD
9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Four Peripheral Nerve Blocks That Will Make You Rock Admir Hadzic, MD, PhD
10:00 - 10:30	Anesthesia Quality Institute: What are the Data Telling Us? Richard P. Dutton, MD, MBA
10:30 - 11:00	Mechanisms and Means to Reduce the Risk of Peripheral Nerve Blocks Admir Hadzic, MD, PhD
11:00 - 11:30	Downsides of Checklists and Keys to Successful Implementation Marjorie A. Stiegler, MD
11:30 - 12:00	Faculty Panel Q & A David Hardman, MD, MBA Nate Painter, MD

	OPTIONAL <i>Lunch and Learn: Problem-Based Learning Discussions</i>
12:00 - 1:00	Ambulatory Anesthesia Controversies Nate Painter, MD
12:00 - 1:00	Anesthesia for the Special Needs Child Matthias W. Konig, MD
12:00 - 1:00	The Unanticipated Difficult Airway: A Dynamic and Dangerous Scenario Lavinia M. Kolarczyk, MD
12:00 - 1:00	Coronary Artery Stents: Keeping Them Patent in your Patient Priya A. Kumar, MD

	OPTIONAL <i>Lunch and Learn: Problem-Based Learning Discussions</i>
12:00 - 1:00	Spinal Cord Protection Strategies for Descending Thoracic Aortic Aneurysm Repair Harendra Arora, MD
12:00 - 1:00	Controversies and Updates in Thoracic Anesthesia Priya A. Kumar, MD
12:00 - 1:00	Prevention and Management of Intraoperative Awareness in High Risk Patients Kathleen A. Smith, MD
12:00 - 1:00	Hot Topics in Pediatrics Matthias W. Konig, MD Hemanth A. Baboolal, MBChB, FRCA

	OPTIONAL <i>Lunch and Learn: Problem-Based Learning Discussions</i>
12:00 - 1:00	Game-Changer or Garbage: Evaluating New Research Studies and How They Will Affect Your Practice Samuel L. McLean, MD, MPH
12:00 - 1:00	Critical Communication in the Operating Room Marjorie A. Stiegler, MD
12:00 - 1:00	Prevention and Management of Post-Dural Lumbar Puncture Kathleen A. Smith, MD
12:00 - 1:00	Anesthetic Challenges of Liver Transplantation: When Things Go Bump in the Night Robert S. Isaak, DO

	OPTIONAL <i>Lunch and Learn: Problem-Based Learning Discussions</i>
12:00 - 1:00	What to Expect and How to Prepare for Your MOCA Simulation Exam Marjorie A. Stiegler, MD
12:00 - 1:00	Hands-On Guide to Starting a Pediatric Sedation Service: Barriers and Tips for Success Janey R. Phelps, MD
12:00 - 1:00	Safely Prolonging Nerve Block Duration: What is the Current Evidence? Monika Nanda, MBBS, MPH
12:00 - 1:00	Evaluating and Choosing Advanced Airway Equipment for Your Practice: A Hands-On Practical Demonstration Sharon T. Kapeluk, MD

Special Evening Lecture

5:30 - 6:30	An Illustrative History of Pain Frederick J. Spielman, MD
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