



WELCOME TO THE CRC, a unique and enjoyable learning experience utilizing 30 minute lecture sessions, interactive speaker panels that offer opportunities for posing questions and lunch and learn small group problem-based learning discussions. In a friendly, relaxed atmosphere you will meet internationally known guest speakers along with outstanding UNC anesthesiology faculty.

The Carolina Refresher Course is Tennisresortsonline.com, with two tennis complexes complete with hard and clay courts. Other family activities include biking and kayaking, multiple pools on the resort, and ocean beaches with a gentle surf. We hope you will be able to join us at this exceptional venue for what promises to be a relaxing and enjoyable week of four courses in the US to host every major American PGA event, including the 2012 Ryder Cup. Kiawah Island Resort also has the #2 Tennis Resort in the world by

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CAROLINA REFRESHER COURSE FACULTY

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL FACULTY

DEPARTMENT OF ANESTHESIOLOGY

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Professor of Anesthesiology

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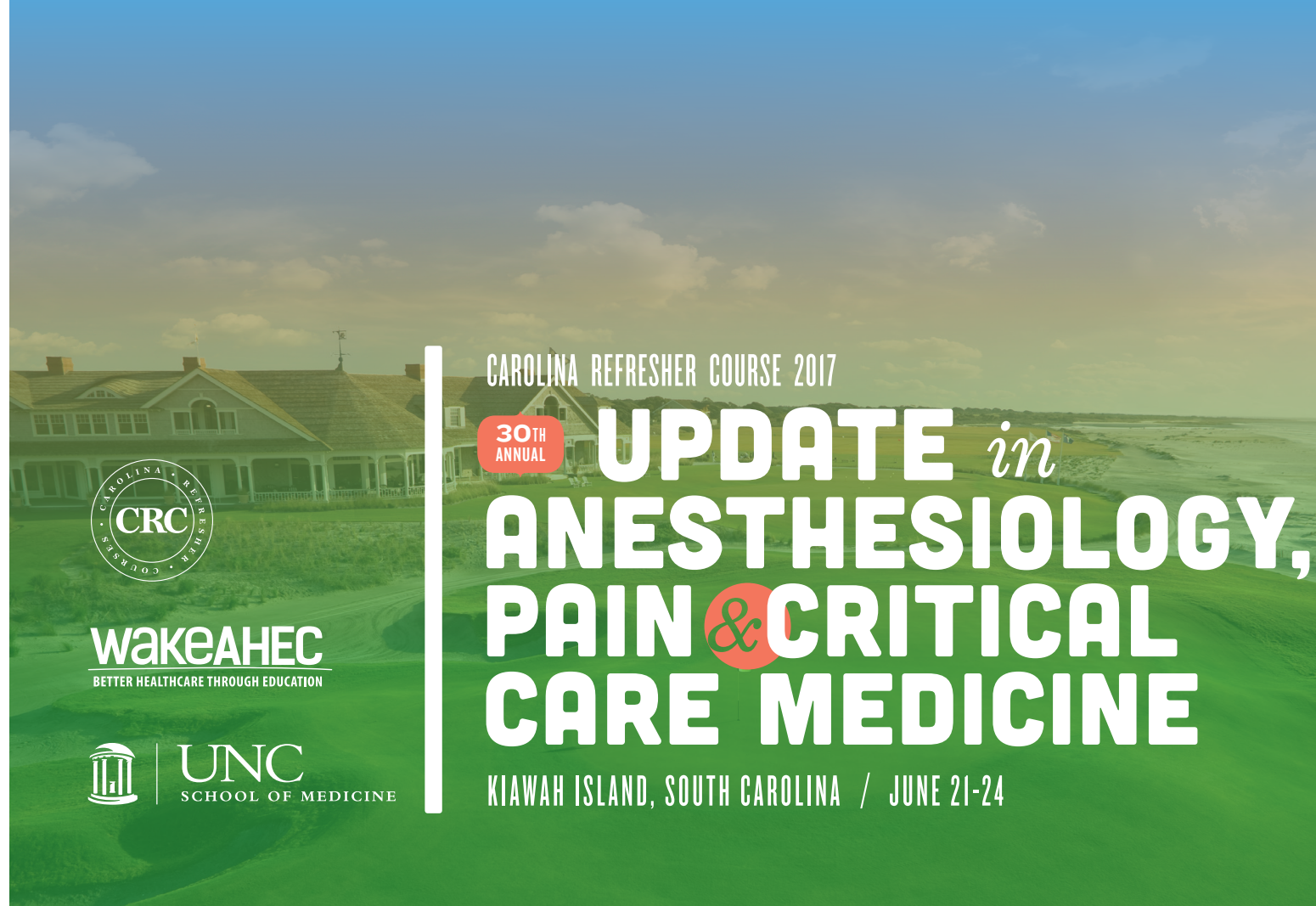
Carolina Refresher Course Director

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Assistant Professor of
Anesthesiology

GUEST FACULTY

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Associates; Principal, Golden
Caduceus Consultants; Program
Co-Chair, Certificate in Business
Administration, ASA

NAVARRAKASH S. SANDHU, MD
Professor of Clinical Anesthesiology
Chief, Division of Regional
Anesthesia and Acute Pain
University of California at San
Diego Medical Center



CAROLINA REFRESHER COURSE 2017

30TH ANNUAL

UPDATE *in* ANESTHESIOLOGY, PAIN & CRITICAL CARE MEDICINE

KIAWAH ISLAND, SOUTH CAROLINA / JUNE 21-24



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30TH
ANNUAL

UPDATE *in*
ANESTHESIOLOGY,
PAIN & CRITICAL
CARE MEDICINE

DAILY AGENDA / JUNE 21-24, 2017

TIME	WEDNESDAY, JUNE 21
6:15 - 6:55	Continental Breakfast, Exhibit Area Open
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate P. Painter, MD
7:00 - 7:30	When videolaryngoscopy is not enough: Combination techniques for difficult airway management Sharon T. Kapeluk, MD
7:30 - 8:00	ACOG updates on pre-eclampsia: What do we need to know? Benjamin G. Cobb, MD
8:00 - 8:30	Anesthesia and cancer outcomes Monika Nanda, MBBS, MPH
8:30 - 9:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD
9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Recurrent errors in anesthesia group management Asa C. Lockhart, MD, MBA
10:00 - 10:30	Ultrasound guided vascular access NavParkash S. Sandhu, MD
10:30 - 11:00	Your state medical board: Friend or foe? Bryant A. Murphy, MD, MBA
11:00 - 11:30	Asset protection: A health care provider's perspective Justin L. Rountree, MD
11:30 - 12:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD

OPTIONAL Problem-Based Learning Discussions	
12:00 - 1:00	Incorporating the new ACOG guidelines on pre-eclampsia in your practice Benjamin G. Cobb, MD
12:00 - 1:00	Anesthesia transfer of care handoffs: Is there a better way? Monika Nanda, MBBS, MPH
12:00 - 1:00	Management of epidural related infections Justin L. Rountree, MD
12:00 - 1:00	Your hospital is sending out an RFP for anesthesia services: Now what? Asa Lockhart, MD, MBA
TIME	THURSDAY, JUNE 22
6:15 - 6:55	Continental Breakfast, Exhibit Area Open
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate P. Painter, MD
7:00 - 7:30	Perioperative ACE-Inhibitors: The Controversy Continues Lavinia M. Kolarczyk, MD
7:30 - 8:00	What's new in pediatric anesthesia: A review of the recent literature Peggy P. McNaull, MD
8:00 - 8:30	Update on post-partum hemorrhage: Is there a role for rFVII, fibrinogen concentrate, and tranexamic acid? Christine P. McKenzie, MD
8:30 - 9:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD

9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Transformative changes in anesthesia practice: You want me to do what? Anthony N. Passannante, MD
10:00 - 10:30	Compensation for services: When the revenues don't support the expectations Asa C. Lockhart, MD, MBA
10:30 - 11:00	Bloodless cardiac surgery Meena Bhatia, MD
11:00 - 11:30	The 5 most important journal articles of the year in anesthesiology Robert S. Isaak, DO
11:30 - 12:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD
	OPTIONAL Problem-Based Learning Discussions
12:00 - 1:00	Creating pathways for quality improvement at your institution Robert S. Isaak, DO Lavinia M. Kolarczyk, MD
12:00 - 1:00	Early use of V-V ECMO in patients with refractory hypoxemia Meena Bhatia, MD
12:00 - 1:00	Contract negotiating tips Asa C. Lockhart, MD, MBA
12:00 - 1:00	Can I offer an epidural to a patient with...? Christine P. McKenzie, MD
	SPECIAL EVENING L
5:30 - 6:30	Creating a culture of professi David A. Zvara, MD Professor and Chair, Departm University of North Carolina a
6:30 - 7:30	Reception Unlimited beer and wine with

5:30 - 6:30

SPECIAL EVENING LECTURE
Creating a culture of professionalism in your department
David A. Zvara, MD
Professor and Chair, Department of Anesthesiology
University of North Carolina at Chapel Hill

6:30 - 7:30

Reception
Unlimited beer and wine with light hors d'oeuvres. Free to registrants but guests can attend for \$20 per person.

TIME	FRIDAY, JUNE 23
6:15 - 6:55	Continental Breakfast, Exhibit Area Open
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate P. Painter, MD
7:00 - 7:30	Does our intraoperative ventilator strategy impact outcomes? Emily G. Teeter, MD
7:30 - 8:00	Aortic surgery for the inoperable patient Meena Bhatia, MD
8:00 - 8:30	Non-opioid medications for the treatment of pain Justin L. Rountree, MD
8:30 - 9:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD

9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Non-plexus peripheral nerve blocks of the upper extremity NavParkash S. Sandhu, MD
10:00 - 10:30	Anesthetic approach to the patient with congestive heart failure Lavinia M. Kolarczyk, MD
10:30 - 11:00	Persistent pain after injury, trauma and surgery Matt C. Mauck, MD, PhD
11:00 - 11:30	Pre and post-operative problems in pediatric anesthesia Peggy P. McNaull, MD
11:30 - 12:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD

OPTIONAL Problem-Based Learning Discussions	
12:00 - 1:00	Taking care of the Down syndrome child with congenital heart disease Peggy P. McNaull, MD
12:00 - 1:00	Management of the patient with a cardiac implantable device Emily G. Teeter, MD
12:00 - 1:00	Is my patient too sick for a block? Cody C. Rowan, MD
12:00 - 1:00	Opioids for chronic pain: Risk assessment and safe practices Matt C. Mauck, MD



TIME	SATURDAY, JUNE 24
6:15 - 6:55	Continental Breakfast, Exhibit Area Open
6:55 - 7:00	Daily Announcements David Hardman, MD, MBA Nate P. Painter, MD
7:00 - 7:30	Interventional pain therapies for the problem patient M. Bobby Wunnava, MD, MBA
7:30 - 8:00	Malignant Hyperthermia: Still simmering in 2017 Kimberley R. Nichols, MD
8:00 - 8:30	Coronary artery stents: Keeping them patent in our patients Priya A. Kumar, MD
8:30 - 9:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD
9:00 - 9:30	Break and Exhibits
9:30 - 10:00	Regional anesthesia 2017: Efficacy, safety and outcome Cody C. Rowan, MD
10:00 - 10:30	Complications of regional anesthesia in the pediatric population Matthew R. McDaniel, MD
10:30 - 11:00	Anesthetic considerations for patients undergoing endovascular surgery Harendra Arora, MD
11:00 - 11:30	Death of the Swan: Do PA catheters still have a role to play in our practice? Emily G. Teeter, MD
11:30 - 12:00	Panel Q&A with Faculty David Hardman, MD, MBA Nate P. Painter, MD



REGISTER ONLINE

at AIMS.UNC.EDU

Scan the code to get started.

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 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. 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 I3199. 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 \$295

CONFERENCE PRICING	493481m
Registration Fee:	Before 12/31 Before 3/13 After 3/13 On Site
Physician	\$635 15% OFF \$675 10% OFF \$750 \$799
CRNA, Resident, Fellow, Allied Health	\$550 \$585 \$650 \$699

Lunch and Learn
Problem-Based Learning Discussion sessions will incur an additional registration fee of \$35 and will include whole fruit, granola bars, a soft drink or bottled water, and coffee and tea. Sessions 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.

EDUCATIONAL OBJECTIVES

- At the conclusion of this knowledge-based activity, participants should be able to:
- Define the purpose and role of medical boards in maintenance of certification and professional development.
 - Identify proper ultrasound techniques to gain vascular access in challenging patients.
 - Discuss medications and blood products used to manage post-partum hemorrhage in an effort to reduce mortality.
 - Examine post-surgical chronic pain in relation to cause and appropriate treatment options.
 - Describe management strategies for patient with implantable cardiac devices.
 - Discuss medical and surgical treatment modalities for patients experiencing co-morbidities associated with implantable cardiac devices including congestive heart failure and valvular disease.
 - Examine latest pediatric anesthesia information in determining best treatment options for upper respiratory infections and those with Down Syndrome who present for electric surgery.

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 certified registered nurse anesthetists, anesthesiology resident and fellow physicians, certified anesthesiologist assistants, and allied services practitioners.

COURSE CREDIT

The Wake Area Health Education Center designates this live activity for a maximum of *22.0 AMA PRA Category I Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

WAKE AHEC CEU: 2.2 Wake AHEC will provide 2.2 CEU to participants upon completion of this activity. Partial CEU credit will not be awarded.

WAKE AHEC CONTACT HOURS: Wake AHEC will provide up to 22.0 contact hours to participants.

OTHER HEALTH CARE PROFESSIONALS: Other health professionals will receive a certificate of completion from an approved *AMA PRA Category I Credit™* activity. These certificates are accepted by the NC Boards for physician assistants, nurse practitioners, nurses and allied health practitioners. License requirements are subject to change. Wake AHEC recommends that participants contact their licensing boards for specific questions.

CRNAs: This program has been approved by the American Association of Nurse Anesthetists for a maximum of 22.0 CE credits; Code Number I033225; Expiration Date 6/24/2017. CRNAs should only claim credit commensurate with the extent of their participation in the activity.

ACCREDITATION The Wake Area Health Education Center is accredited by the North Carolina Medical Society to provide continuing medical education for physicians.

Wake AHEC is part of the North Carolina AHEC program.

CONTACT INFORMATION For additional information, please send an email to: anesthesiologycme@aims.unc.edu with "CRC 2017" in the subject line. You may also contact Lue McKnight at lmcknight@wakeahec.org or 919.350.0469. Fee includes flash drive of teaching materials, certificate of completion and online handouts. Continental breakfast and refreshments provided. Directions will be emailed with confirmation letter. Wake AHEC vouchers are accepted. Visit wakeahec.org for our inclement weather and ADA statement.

POLICY ON FACULTY AND SPONSOR DISCLOSURES WAKE AHEC adheres to ACCME Essential Areas and policies regarding industry support of continuing medical education. Commercial support for the program and faculty relationships within the industry will be disclosed at the activity. Speakers will also state when off-label or experimental drugs or devices are incorporated in their presentations.

REFUND/CREDIT/PAYMENT/CANCELLATION POLICY Cancellation request prior to midnight, May 21, 2017 — a full refund will be issued. After midnight, May 21, 2017 — no refunds will be issued. All cancellations must be submitted in writing (fax, email, or postmarked mail). No Substitutes.

