Welcome to the updated 2020 Carolina Refresher Course (CRC): A unique and enjoyable learning experience in a friendly and relaxed environment utilizing 30-minute lecture sessions, speaker question and answer panels, problem-based learning discussions, and hands-on workshops in point-of-care ultrasound, regional anesthesia, and surgical airway skills. We offer you a faculty of polished guest speakers along with our outstanding UNC faculty in medicine and anesthesiology, who consistently receive rave reviews from our course attendees. You will return to your practice feeling invigorated with updated clinically relevant information and techniques that will enhance your patient safety knowledge, technical skills and practice.

The Carolina Refresher Course is designed to provide medical education sessions in the morning with the afternoons free to relax and enjoy the amenities of this lush 10,000 acre privately owned barrier island, with approximately half of this acreage preserved in its natural state. History buffs will enjoy visiting the nearby city of Charleston, South Carolina, the best-preserved colonial city in America and a haven for foodies, featuring outstanding restaurants offering creative southern cuisine. Kiawah Island Resort boasts five different golf courses, including its renowned links Ocean Golf Course, and is one of only four locations in the US to host every major American PGA event, including the 2012 and 2021 PGA Championship, along with the Ryder Cup. Kiawah Island Resort is also recognized as the #1 Tennis Resort in the world in 2019, as rated by Tennisresortsonline.com, with two tennis complexes featuring clay and hard courts. Other family activities include kid’s camps, youth and teen activities, nature tours, eco charters, shaded biking trails and kayaking, multiple pools, and miles of balmy ocean beaches featuring child-friendly gentle surf.

We hope you will be able to join us at this idyllic venue for what promises to be a relaxing and enjoyable week of continuing medical education at its finest.

Registration Fee

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<th>After 8/30</th>
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Additional 10% off for previous registrants at all times. Additional 5% off if you refer a new registrant.
Course Directors

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

JACOB D. ACTON, MD
Assistant Professor of Anesthesiology, University of North Carolina at Chapel Hill, Course Co-Director

University of North Carolina at Chapel Hill Faculty

JOHN VAVALLE, MD, MHS, FACC
Assistant Professor of Medicine, Medical Director UNC Structural Heart Disease Program, Program Director Structural Heart Disease Fellowship

Department of Medicine

HARENDRA ARORA, MBBS, MBA, FASA
Professor of Anesthesiology, Vice Chair for Education and Residency Program Director

Department of Anesthesiology

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Assistant Professor of Anesthesiology

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Assistant Professor of Anesthesiology

STUART GRANT, MB ChB, FRCA
Professor of Anesthesiology, Division Chief Regional Anesthesia

MARK HENRY, MD
Assistant Professor of Anesthesiology

ROBERT ISAAK, DO
Associate Professor of Anesthesiology, Medical Director ERAS Program, Director of Anesthesiology Simulation Program, Vice Chair of American Board of Anesthesiology OSCE Committee

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Assistant Professor of Anesthesiology

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Professor and Executive Vice Chair of Anesthesiology

JANEY PHELPS, MD
Associate Professor of Anesthesiology and Pediatrics

LACY STRAUBE, MD
Assistant Professor of Anesthesiology

Guest Faculty

JEFF TAEKMAN, MD
Professor of Anesthesiology, Director Human Simulation and Patient Safety Center, Duke University School of Medicine

EUGENE R. VISCUSI, MD
Professor of Anesthesiology, Chief of Pain Medicine, Director, Acute Pain Management, Sidney Kimmel Medical School of Thomas Jefferson University, ASRA President 2019-2021
<table>
<thead>
<tr>
<th>SUNDAY JUNE 14</th>
<th>MONDAY JUNE 15</th>
<th>TUESDAY JUNE 16</th>
<th>WEDNESDAY JUNE 17</th>
<th>THURSDAY JUNE 18</th>
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<tr>
<td>3:00-7:00 Registration</td>
<td>6:15-6:55</td>
<td>Full hot breakfast buffet, exhibit area open</td>
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<tr>
<td>4:55-5:00 Welcome and course introduction</td>
<td>6:55-7:00</td>
<td>Daily Announcements</td>
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<tr>
<td>5:00-5:30 Fluid and blood product therapy: What should we be doing in 2020</td>
<td>7:00-7:30</td>
<td>Perioperative brain health and the elderly: Tailoring anesthetics to prevent delirium and mitigate cognitive decline</td>
<td>Truncal nerve blocks: Evidence based or flights of fancy</td>
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<tr>
<td>5:30-6:00 Folklore, fairy tales and fantasy: Examining dogmas in anesthesiology</td>
<td>7:30-8:00</td>
<td>Critical care ventilation strategies: From the ICU to the OR</td>
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<td>6:00-6:30 The emerging science of the microbiome and its impact on perioperative medicine</td>
<td>8:00-8:30</td>
<td>Transcatheter valve replacement procedures: The UNC experience with TAVR</td>
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<td>6:30-7:00 Is there a FAST exam in your future? Using POCUS to improve your clinical decision-making skills</td>
<td>8:30-9:00</td>
<td>Panel discussion Q&amp;A with Faculty</td>
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<td>7:00-7:30 Panel discussion Q&amp;A with Faculty</td>
<td>9:00-9:30</td>
<td>Break &amp; Exhibits</td>
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<td>7:30-9:00 Evening reception with heavy hors d’oeuvres: Meet the faculty and your colleagues</td>
<td>9:30-10:00</td>
<td>Pediatric sedation update Janey Phelps, MD</td>
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<td>10:00-10:30 An ECMO primer: What we need to know</td>
<td>10:30-11:00</td>
<td>Difficult airway rescue techniques Sharon Kapeluk, MD</td>
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<td>11:00-11:30 Transcatheter tricuspid valve replacement, mitral clips and the emerging specialty of structural heart disease. John P. Vavalle, MD, MHS, FACC</td>
<td>11:30-12:00</td>
<td>Panel discussion Q&amp;A with Faculty</td>
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<tr>
<td>12:00-1:00 Point of Care Ultrasound Workshop POCUS: Lung, gastric, and abdominal scanning in live models</td>
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<td>12:00-1:00 Airway Workshop Cricothyroidotomy surgical workshop (6 registrants) Sharon Kapeluk, MD</td>
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**Welcome Reception**

Complimentary heavy hors d’oeuvres, beer, wine, and soft drinks. *Cash bar for mixed drinks*

**SUNDAY 7:30p - 9:00p**
**EVERYONE IS WELCOME**

TO JOIN: Course registrants, family members, exhibitors and faculty.
Conference Location All sessions will be conducted at the new West 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 kawahisland.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 16754. 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.


Conference Pricing

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Point-of-Care-Ultrasound Workshops

Three-day workshop will cover cardiac, lung and abdominal scanning and is limited to a total of 16 participants, 4 attendees per instructor. Complimentary, but first come, first serve. You can only register for one workshop each day.

Surgical Airway Workshop

The surgical airway workshops are limited to 6 participants each and will cover identifying landmarks and positioning for surgical airways, then hands on cricothyrotomy using a deer model. Complimentary, but first come, first serve. You can only register for one workshop each day.

Regional Nerve Block Ultrasonography Workshops

The regional nerve blocks and ultrasonography workshop sessions are limited to 8 participants each and will cover the different ultrasound scanning views for peripheral nerve blocks and associated anatomy. Complimentary, but first come, first serve. You can only register for one workshop each day.

Problem-Based Learning Discussions

Problem-Based Learning Discussion sessions are complementary, but 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.

Educational Objectives The information presented at this educational activity should improve your ability to:

- Perform new regional nerve blocks
- Review basic point-of-care-ultrasound indications and recognize pathology
- Manage difficult airways and practice surgical airway techniques
- Review the management of obstetric patients
- Review pediatric sedation updates
- Implement the newest techniques in carotid surgery management
- Describe controversies in acute pain management
- Describe management of complex catheter based cardiac procedures

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 Audiences 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 Physicians: The School of Medicine of the University of North Carolina at Chapel Hill designates this live activity for a maximum of 23.5 AMA PRA Category 1 Credits™. 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 a pending approval maximum of 15 CE credits; Code Number pending; Expiration Date pending. CRNAs should only claim credit commensurate with the extent of their participation in the activity.

Accreditation The School of Medicine of the University of North Carolina is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Contact Information For additional information, please send an email to: anesthesiologycme@aims.unc.edu with “CRC 2020” in the subject line. Fee includes certificate of completion and online handouts. Continental breakfast and refreshments provided. Directions with information on how to download handouts will be sent several weeks before the meeting.

Disclosures This activity has been planned and implemented under the sole supervision of the course directors, in association with the UNC Office of Continuing Professional Development (UNC CPD). This activity has not received any financial support from commercial interests.

ADA Statement If an attendee requires the use of auxiliary aids or services identified by the American Disabilities Act in order to attend this meeting, he or she should contact Lynn Craven at 919-966-0009

Refund/Credit/Payment/Cancellation Policy Cancellation request prior to midnight, May 14, 2020 — a full refund will be issued. After midnight, May 14, 2020 — no refunds will be issued. All cancellations must be submitted in writing (fax, email, or postmarked mail). No Substitutes.

Register ONLINE at GO.UNC.EDU/CRC2020

You may also call or email Lynn Craven to register at 919-966-0009, or Lynn_Craven@med.unc.edu
Register today at
GO.UNC.EDU/CRC2020

Scan the code to get started