30th Annual
Duke Radiology Beach Course

July 26–30, 2021
Myrtle Beach, SC

Updated Curriculum – Restructured, Multidisciplinary Approach

Earn 21.75 hours AMA PRA Category 1 Credits™ and 20 hours SA-CME Credit
MYRTLE BEACH, SOUTH CAROLINA

The Grand Strand: The Myrtle Beach “Grand Strand” has been called the “Seaside Golf Capital of the World” with over 100 area golf courses.

Something for Everyone: The Myrtle Beach “Grand Strand” has activities for the entire family. Golf, fishing, scuba diving, parasailing, tennis, swimming, and biking are just some of the many activities available and within easy access during your visit. Whether relaxing at one of the areas premier spas, visiting local historical sites, shopping the outlets, or just soaking up the sun on our 60 miles of beautiful beaches, there is something for everyone at Myrtle Beach.

The Kingston Plantation

Featuring Embassy Suites: Wooded hills surround a twenty-acre freshwater lake and line the winding drive that leads to a half mile stretch of white sand beach. The twenty story, all-suite hotel provides a spectacular view of the ocean from each private balcony. Two and three bedroom luxury oceanfront condominiums or one, two and three bedroom villas set among the forest and lakes provide the ultimate in comfort and amenities during your stay.

Kingston Plantation features the Sport and Health Club which includes nine lighted tennis courts, three racquetball and squash courts, indoor/outdoor pools, whirlpool, weight training equipment, free weights, an aerobics studio, tanning salon, cafe, and lounge. The hotel also has a full-time Golf Director affiliated with over 100 area courses.

So bring your swimsuit, sunglasses, racket, and clubs – the Kingston Plantation welcomes you to an unforgettable vacation!

For details regarding accommodations and amenities of the resort, please visit: www.kingstonplantation.com
TO KINGSTON PLANTATION

BY CAR: The major highways feeding Myrtle Beach are US Highways 501 and 17 and SC Highway 9. From major cities across the country, convenient interstate connectors like I-95 make it easy to reach Myrtle Beach.

BY AIR: Myrtle Beach Jetport is served by American, USAir, and ASA Delta Express with excellent connections from such cities as Charlotte, Raleigh, Atlanta, New York, and Chicago. Business, charter or private planes use Grand Strand Airport in North Myrtle Beach.

Rental cars and limousines are available at both airports. Airport transportation can also be provided by the hotel with prior notice of arrival times.

HOTEL RESERVATIONS

Reservations should be made directly with the Resort at:

Embassy Suites at Kingston Plantation
9800 Queensway Blvd. • Myrtle Beach, SC 29572
By Calling 843.449.0006
or via link which can be accessed from our website

Room rates available until June 23, 2021 or until room block is filled. After that date, rates will be dependent upon availability.

Rates do not include a $25 daily resort fee per unit which includes: Self parking, Basic internet service, Unlimited 800 and local telephone calls, Door to door transportation (includes offsite transportation – 2 mile radius), 24 hour Business Center access, Free racquetball/tennis court rentals (reservation required), Children’s activities, Pool towels. (* includes breakfast and reception daily)

Accommodations will not be confirmed without a check for the first night’s deposit or use of a credit card to guarantee your reservation. You will be charged for the first night if reservations are not canceled 7 days prior to arrival. These prices are exclusive of 12% taxes. Early check-out fee is $75.

<table>
<thead>
<tr>
<th>ROOM RATES</th>
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<tbody>
<tr>
<td><strong>Embassy Suites Hotel</strong></td>
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<tr>
<td>Oceanview Suite – $315*</td>
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| **Plantation Villas** |
| 2 bedroom – $300 |
| 3 bedroom – $323 |

| **Oceanside Condo Towers** |
| 2 bedroom – $323 |
| 3 bedroom – $412 |

| **Oceanside Condo Towers (Brighton)** |
| 2 bedroom – $356 |
| 3 bedroom – $467 |
The Duke Radiology annual Beach Course offers a comprehensive curriculum on cutting edge general radiology subjects. This year, the curriculum was re-structured as a multidisciplinary approach with many topics grouped as specific pathology related presentations. It was designed with an experienced or in training radiologist in mind, who will find it helpful to implement the gained knowledge into their busy practice. We invite you to join us for a great opportunity to learn, relax and enjoy your time at the beach.

**LEARNING OBJECTIVES**
At the conclusion of this activity, participants should be able to:

- Identify and discuss the latest modalities and techniques being used in the field of Diagnostic Radiology.
- Discuss differential diagnoses of common disease processes as they are seen on radiologic images.
- Demonstrate compliance with various governing agencies to sustain accreditation, licensing and board certification requirements.

**GENERAL INFORMATION**
Lectures will be held Monday–Friday from 7:30 a.m. to 12:30 in Brighton Tower at Kingston on Lake Drive in Myrtle Beach, South Carolina. Onsite registration and check-in will begin at 7:00 a.m. on Monday, July 26, 2021.

**SPECIAL NEEDS STATEMENT**
**Americans with Disabilities Act (ADA)**
The Duke Department of Radiology is committed to making its activities accessible to all individuals. If you are in need of an accommodation, please do not hesitate to call and/or submit a description of your needs in writing in order to receive service.
ABDOMINAL IMAGING
Mustafa Bashir, M.D., Associate Professor
Rajan Gupta, M.D., Associate Professor
Lisa Ho, M.D., Associate Professor
Rendon Nelson, M.D., Professor
Erik Paulson, M.D., Professor & Chairman
Benjamin Wildman-Tobriner, M.D., Assistant Professor

BREAST IMAGING
Michael Taylor-Cho, M.D., Medical Instructor
Sujata Ghate, M.D., Associate Professor
Ruth Walsh, M.D., Associate Professor

CARDIOPULMONARY/CARDIOVASCULAR
Jared Christensen, M.D., Associate Professor
Joseph Mammarappallil, M.D., PhD., Assistant Professor
H. Page McAdams, M.D., Professor
Lacey Washington, M.D., Associate Professor

INTERVENTIONAL
Nicholas Befera, M.D., Assistant Professor
Jonathan Martin, M.D., Assistant Professor
Waleska Pabon-Ramos, M.D., Assistant Professor
James Ronald, M.D., PhD, Assistant Professor
Tony Smith, M.D., Professor
Paul Suhocki, M.D., Associate Professor

MUSCULOSKELETAL
Roy Colglazier, M.D., Medical Instructor
Robert French, M.D., Assistant Professor
Erin McCrum, M.D., Medical Instructor
Nicholas Said, M.D., MBA, Assistant Professor
Charles Spritzer, M.D., Professor
Emily Vinson, M.D., Assistant Professor

NEURORADIOLOGY
Timothy Amrhein, M.D., Assistant Professor
Austin Dixon, M.D., MBA, Medical Instructor
David Enterline, M.D., Associate Professor
Peter Kranz, M.D., Associate Professor
Michael Malinzak, M.D., Medical Instructor
James Provenzale, M.D., Professor
Christopher Roth, M.D., Associate Professor
Hope Weant, NP
Walter Wiggins, M.D., PhD, Assistant Professor

NUCLEAR MEDICINE
Salvador Borges-Neto, M.D., Associate Professor
Brandon Howard, M.D., PhD, Assistant Professor
Terence Wong, M.D., Ph.D., Professor

PEDIATRIC IMAGING
Logan Bisset, M.D., Medical Instructor
Caroline Carrico, M.D., Associate Professor
Donald Frush, M.D., Professor
Charles Maxfield, M.D., Professor

COURSE DIRECTOR
Rajan Gupta, M.D.
Associate Professor
Department of Radiology
Duke University Medical Center
In support of improving patient care, Duke University Health System Department of Clinical Education and Professional Development is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the health care team.

Duke University Health System Department of Clinical Education and Professional Development designates this Duke Radiology Beach Course activity for a maximum of 21.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Duke University Health System Department of Clinical Education and Professional Development designates this activity for up to 23.5 credit hours for nurses. Nurses should claim only credit commensurate with the extent of their participation in this activity.

Disclosures: It is the policy of the Duke University Health System Clinical Education and Professional Development to require the disclosure of anyone who is in a position to control the content of an educational activity. All relevant financial relationships with any commercial interests and/or manufacturers must be disclosed to participants at the beginning of each activity.

Resolution of Conflicts of Interest: Duke University Health System Clinical Education and Professional Development has implemented a process to resolve any potential conflicts of interest for each continuing education activity in order to help ensure content objectivity, independence, fair balance, and the content that is aligned with the interest of the public.
MONDAY, JULY 26, 2021

7:30 a.m.  
**GI Tract Misses** – Benjamin Wildman-Tobriner, M.D.

8:00 a.m.  
**Malrotation and Malfixation** – Caroline Carrico, M.D.

8:30 a.m.  
**Pediatric Abdominal Masses** – Charles Maxfield, M.D.

9:00 a.m.  
**MR Lymphangiography** – Waleska Pabon-Ramos, M.D., MPH

9:30 a.m.  
**Q&A**

9:40 a.m.  
**Break**

9:50 a.m.  
**IVC Filter Update** – Tony Smith, M.D.

10:20 a.m.  
**Outpatient Headaches** – Michael Malinzak, M.D., PhD

10:50 a.m.  
**Temporal Bone CT** – Austin Dixon, M.D., MBA

11:20 a.m.  
**Spine Trauma** – James Provenzale, M.D.

11:50 a.m.  
**New IR/DR Residency** – Paul Suhocki, M.D.

12:20 p.m.  
**Q&A**

12:30 p.m.  
**Adjourn**

TUESDAY, JULY 27, 2021

7:30 a.m.  
**Shoulder Ultrasound** – Robert French, M.D.

8:00 a.m.  
**Shoulder MRI** – Erin McCrum, M.D.

8:30 a.m.  
**Wrist MRI** – Nicholas Said, M.D.

9:00 a.m.  
**Musculoskeletal Trauma** – Roy Colglazier, M.D.

9:30 a.m.  
**Q&A**

9:40 a.m.  
**Break**

9:50 a.m.  
**PET for Prostate Cancer** – Brandon Howard, M.D., PhD

10:20 a.m.  
**MRI of the Female Pelvis** – Lisa Ho, M.D.

10:50 a.m.  
**Architectural Distortion in the Era of Tomosynthesis** – Michael Taylor-Cho, M.D., MPH

11:20 a.m.  
**Machine Learning** – Jared Christensen, M.D.

11:50 a.m.  
**Q&A**

12:00 p.m.  
**Adjourn**

Schedule and/or speakers subject to change.
## WEDNESDAY, JULY 28, 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Acute Stroke Imaging – David Enterline, M.D.</td>
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<tr>
<td>8:00 a.m.</td>
<td>Interventional Radiology – Nicholas Befera, M.D.</td>
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<tr>
<td>8:30 a.m.</td>
<td>Nurse Practitioners’ Role in a Busy Radiology Practice – Hope Weant, NP</td>
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<td>9:00 a.m.</td>
<td>Patient Centered PET Imaging – Terence Wong, M.D., PhD</td>
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<td>9:30 a.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>9:40 a.m.</td>
<td>Break</td>
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<tr>
<td>9:50 a.m.</td>
<td>MRI Safety – Mustafa Bashir, M.D.</td>
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<td>10:20 a.m.</td>
<td>Practical AI for Radiologists – Walter Wiggins, M.D., PhD</td>
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<tr>
<td>10:50 a.m.</td>
<td>Q&amp;A</td>
<td></td>
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<tr>
<td>11:00 p.m.</td>
<td>Adjourn</td>
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## THURSDAY, JULY 29, 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Leadership – Erik Paulson, M.D.</td>
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<td>8:00 a.m.</td>
<td>2020-21 CDS Mandate – Christopher Roth, M.D.</td>
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<td>8:30 a.m.</td>
<td>The Current State of Medical Radiation Use &amp; Risks – Donald Frush, M.D.</td>
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<td>9:00 a.m.</td>
<td>Sports Injuries of Foot and Ankle – Charles Spritzer, M.D.</td>
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<tr>
<td>9:30 a.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>9:40 a.m.</td>
<td>Break</td>
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<tr>
<td>9:50 a.m.</td>
<td>MRI of Lower Extremities – Emily Vinson, M.D.</td>
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<td>10:20 a.m.</td>
<td>Lower Extremity Runoffs – James Ronald, M.D., PhD</td>
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<td>10:50 a.m.</td>
<td>Airway Disease – Joseph Mammaramppallil, M.D., Phd</td>
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<td>11:20 a.m.</td>
<td>LungRads – Lacey Washington, M.D.</td>
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<td>11:50 a.m.</td>
<td>Interstitial Lung Disease – H. Page McAdams, M.D.</td>
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<tr>
<td>12:20 p.m.</td>
<td>Q&amp;A</td>
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<tr>
<td>12:30 p.m.</td>
<td>Adjourn</td>
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FRIDAY, JULY 29, 2021

7:30 a.m.  Neuroendocrine Tumors – Salvador Borges-Neto, M.D.
8:00 a.m.  Prostate MR – Rajan Gupta, M.D.
8:30 a.m.  Liver Lesions – Rendon Nelson, M.D.
9:00 a.m.  Hepatic Embolotherapy – Charles Kim, M.D.
9:30 a.m.  Q&A
9:40 a.m.  Break
9:50 a.m.  TIPS and BRTO – Jonathan Martin, M.D.
10:20 a.m. Intracranial Hypotension – Timothy Amrhein, M.D.
10:50 a.m. BIRADS – Calcifications – Ruth Walsh, M.D.
11:20 a.m. Child Abuse – Logan Bisset, M.D.
11:50 a.m. Breast MRI – Sujata Ghate, M.D.
12:20 p.m. Q&A
12:30 p.m. Adjourn
Registration Fees

$995 for Radiologists/$895 for Duke Radiology Alumni/
$795 for Intraining/Military/Retired/Non-MD on or
before July 1, 2021. After July 1 the fees become
$1,095/$995/$895 respectively. A $100 cancellation
fee will be charged.

Online registration is available at
https://radiology.duke.edu/cme

In an effort to be more environmentally
conscious, we will distribute syllabus
electronically using our new mobile App.

For Further Information

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