

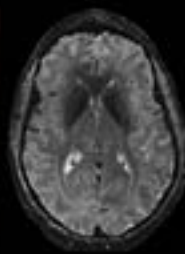


2018 Duke Review Course

A comprehensive radiology immersion

March 3-9, 2018

Sheraton Imperial Hotel • Research Triangle Park, NC



DukeHealth

Duke Review Course 2018

COURSE DESCRIPTION

The Duke Review Course provides a comprehensive review of diagnostic radiology provided by the faculty of Duke Radiology.

The course is designed for radiology senior residents as well as practicing radiologists looking for a comprehensive review and state-of-the-art update of general radiology.

TARGET AUDIENCE

Senior radiology residents and practicing radiologists.

LEARNING OBJECTIVES

Upon completion of this course, 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 radiographic images
- ♦ Demonstrate compliance with various governing agencies to sustain accreditation, licensing and board certification requirements

COURSE DIRECTORS

- ♦ **Charles M. Maxfield, M.D.**
- ♦ **Michael Malinzak, M.D., Ph.D.**

ACCREDITATION



DukeHealth



JOINT ACCREDITATION
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, Duke University Health System Department of Clinical Education & 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.

CREDIT STATEMENT

Duke University Health System Department of Clinical Education & Professional Development designates this educational activity for a maximum of 50.75 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only credit commensurate with the extent of their participation in the activity.



Lecture Schedule

MARCH

3 Saturday

12:35 – 12:40 p.m.

WELCOME

BREAST IMAGING

12:35 – 2:20 p.m.

**BI-RADS and the Management
of Mammographic Abnormalities**

2:20 – 2:30 p.m.

BREAK

2:30 – 3:35 p.m.

Breast Imaging – The Rest of the Story

3:35 – 3:45 p.m.

BREAK

3:45 – 5:15 p.m.

Physics: X-Ray

5:15 – 5:25 p.m.

BREAK

5:25 – 6:30 p.m.

Physics: X-Ray Cont'd

MARCH

4 Sunday

7:00 – 7:30 a.m.

Continental Breakfast

7:30 – 9:00 a.m.

Physics: CT

9:00 – 9:10 a.m.

BREAK

9:10 – 9:55 a.m.

Liver & Splenic Imaging

9:55 – 10:10 a.m.

Non-Vascular Intervention

10:10 – 10:45 a.m.

Quality Control & Safety

10:45 – 10:55 a.m.

BREAK

10:55 – 11:55 a.m.

Physics: Ultrasound

11:55 – 12:55 p.m.

LUNCH

12:55 – 1:25 p.m.

Vascular Ultrasound

Speakers and schedule subject to change



Lecture Schedule

MARCH

4

Sunday

INTERVENTIONAL

1:25 – 1:45 p.m.	Peripheral Interventional Radiology I
1:45 – 2:00 p.m.	Mesenteric Arteriography & Intervention
2:00 – 2:20 p.m.	Venous Disease and Management
2:20 – 2:45 p.m.	Non-Vascular Interventions
2:45 – 2:55 p.m.	BREAK
2:55 – 3:10 p.m.	Renal Diagnostic & Interventional Radiology
3:10 – 3:35 p.m.	Celiac Arterial & Hepatoportal Venous Interventions
3:35 – 3:55 p.m.	Peripheral Interventional Radiology II
3:55 – 4:15 p.m.	Basics of Cerebral Angiography
4:15 – 4:25 p.m.	BREAK

NEURORADIOLOGY

4:25 – 5:10 p.m.	Temporal Bones & Skull Base
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MARCH

5

Monday

7:00 – 7:30 a.m.	CONTINENTAL BREAKFAST
7:30 – 8:30 a.m.	Physics: Radiation Biology & Safety
8:30 – 8:40 a.m.	BREAK

Speakers and schedule subject to change



Lecture Schedule

MARCH

5

Monday

NEURORADIOLOGY

8:40 – 9:10 a.m.	Head & Neck Radiology
9:10 – 9:55 a.m.	Practical Approach to Brain Tumors
9:55 – 10:25 p.m.	Congenital Anomalies of the Brain
10:25 – 10:35 a.m.	BREAK
10:35 – 11:20 a.m.	Cerebrovascular Disease
11:20 – 11:40 a.m.	Central Nervous System Infections
11:40 – 12:05 p.m.	Diseases of White Matter
12:05 – 1:05 p.m.	LUNCH
1:05 – 1:35 p.m.	Imaging of the Spine — Extradural Disease
1:35 – 2:15 p.m.	Intradural & Intramedullary Diseases of the Spine
2:15 – 2:50 p.m.	Imaging of the Orbits
2:50 – 3:00 p.m.	BREAK

PEDIATRICS

3:00 – 3:30 p.m.	Newborn Chest
3:30 – 3:55 p.m.	Pediatric Chest
3:55 – 4:25 p.m.	Pediatric Abdominal Masses
4:25 – 4:45 p.m.	Neonatal Head & Spine Ultrasound
4:45 – 7:00 pm.	DINNER BREAK
7:00 – 9:00 p.m.	Multiple choice question review

Speakers and schedule subject to change



Lecture Schedule

MARCH

6

Tuesday

7:00 – 7:30 a.m.

CONTINENTAL BREAKFAST

PEDIATRICS

7:30 – 8:05 a.m.

Pediatric Uroradiology

8:05 – 8:45 a.m.

Peds Gastrointestinal Imaging

8:45 – 8:55 a.m.

BREAK

NUCLEAR MEDICINE

8:55 – 9:55 a.m.

Physics: Nuclear Medicine

9:55 – 10:15 a.m.

Endocrine Imaging/CNS Imaging

10:15 – 10:40 a.m.

V/Q Imaging

10:40 – 10:50 a.m.

BREAK

10:50 – 11:20 a.m.

Tumor/Infection/Lymphoscintigraphy

11:20 – 11:45 a.m.

Nuclear Cardiology

11:45 – 12:45 p.m.

LUNCH

12:45 – 1:05 p.m.

Scintigraphic Studies of the Genitourinary Tract

1:05 – 1:25 p.m.

Hepatobiliary & GI Scintigraphic Studies

1:25 – 1:55 p.m.

PET CT

1:55 – 2:05 p.m.

BREAK

2:05 – 2:45 p.m.

Musculoskeletal Scintigraphy

Speakers and schedule subject to change



Lecture Schedule

MARCH

6

Tuesday

MUSCULOSKELETAL

2:45 – 3:25 p.m.

Pediatric Skeletal Radiology

3:25 – 4:00 p.m.

Orthopedic Trauma

4:00 – 4:10 p.m.

BREAK

4:10 – 4:40 p.m.

Metabolic Bone Disease

4:40 – 5:15 p.m.

Musculoskeletal Miscellany

5:15 – 5:45 p.m.

Malignant Skeletal Tumors

MARCH

7

Wednesday

7:00 – 7:30 a.m.

CONTINENTAL BREAKFAST

7:30 – 9:30 a.m.

Physics: MR

9:30 – 9:40 a.m.

BREAK

MUSCULOSKELETAL

9:40 – 10:10 a.m.

MRI of the Shoulder

10:10 – 10:55 a.m.

MRI of the Knee

10:55 – 11:05 a.m.

BREAK

11:05 – 11:20 a.m.

MSK Ultrasound

11:20 – 12:00 noon

Benign Lytic Bone Lesions

12:00 – 1:00 p.m.

LUNCH

1:00 – 1:40 p.m.

Radiology of Arthritis

Speakers and schedule subject to change



Lecture Schedule

MARCH

7

Wednesday

CARDIAC IMAGING

1:40 – 2:10 p.m.	Cardiac Imaging: A Pattern-Based Approach – Part 1
2:10 – 2:40 p.m.	Imaging Coronary Artery Disease
2:40 – 2:50 p.m.	Break
2:50 – 3:30 p.m.	Cardiac Imaging: A Pattern-Based Approach – Part 2
3:30 – 4:10 p.m.	Aortic Disease
4:10 – 4:40 p.m.	Congenital Heart Disease
4:40 – 7:00 pm.	DINNER BREAK
7:00 – 9:00 p.m.	Multiple choice question review

MARCH

8

Thursday

7:00 – 7:30 a.m.	CONTINENTAL BREAKFAST
7:30 – 8:20 a.m.	Practical IT
8:20 – 8:30 a.m.	BREAK

Speakers and schedule subject to change



Lecture Schedule

MARCH

8

Thursday

CHEST IMAGING

8:30 – 9:20 a.m.	Airway Disease
9:20 – 9:55 p.m.	Airspace Disease
9:55 – 10:05 a.m.	BREAK
10:05 – 10:35 a.m.	Mediastinum
10:35 – 11:20 a.m.	Interstitial Lung Disease – Part 1
11:20 – 11:30 a.m.	BREAK
11:30 – 12:15 p.m.	Interstitial Lung Disease – Part 2
12:15 – 1:15 p.m.	LUNCH
1:15 – 1:45 p.m.	Pulmonary Nodules
1:45 – 2:05 p.m.	Pleural Disease

ULTRASOUND

2:05 – 2:35 p.m.	Ultrasound of the Kidneys
2:35 – 3:05 p.m.	US of Thyroid & Scrotum
3:05 – 3:15 p.m.	BREAK
3:15 – 3:45 p.m.	GYN US
3:45 – 4:35 p.m.	Ultrasound of 1st Trimester & Ectopic Pregnancy
4:35 – 5:20 p.m.	2nd & 3rd Trimester Obstetric Ultrasound
5:20 – 5:50 p.m.	Abdominal Ultrasound

Speakers and schedule subject to change



Lecture Schedule

MARCH

9

Friday

7:00 – 7:30 a.m.

CONTINENTAL BREAKFAST

ABDOMINAL IMAGING

7:30 – 8:00 a.m.

Acute Abdomen

8:00 – 8:30 a.m.

Non-Invasive Imaging of the Biliary System

8:30 – 9:00 a.m.

Imaging of Pancreatic Disease

9:00 – 9:10 a.m.

BREAK

9:10 – 9:40 a.m.

Radiology of the Adrenals & Retroperitoneum

9:40 – 10:25 a.m.

Renal Masses/Infection

10:25 – 10:35 a.m.

BREAK

10:35 – 10:50 a.m.

Imaging of the Ureters, Bladder & Urethra

10:50 – 11:20 a.m.

MR of the Female Pelvis

11:20 – 11:50 a.m.

LUNCH

11:50 – 12:20 p.m.

Esophagus to Stomach

12:20 – 12:55 p.m.

Small Bowel & Colon

Speakers and schedule subject to change



Faculty

ABDOMINAL IMAGING

Brian Allen, M.D.

Assistant Professor

Mustafa Bashir, M.D.

Associate Professor

Wendy Ehieli, M.D.

Medical Instructor

Sujata Ghate, M.D.

Associate Professor

Rajan Gupta, M.D.

Associate Professor

Clare Haystead, M.D.

Assistant Professor

Barbara Hertzberg, M.D.

Professor

Lisa Ho, M.D.

Associate Professor

Tracy Jaffe, M.D.

Professor

Richard Leder, M.D.

Associate Professor

Daniele Marin, M.D.

Associate Professor

Chad Miller, M.D.

Assistant Professor

Rendon Nelson, M.D.

Professor

BREAST IMAGING

Jay Baker, M.D.

Professor

Karen Johnson, M.D.

Assistant Professor

CARDIOPULMONARY/ CARDIOVASCULAR

Jared Christensen, M.D.

Associate Professor

Laura Heyneman, M.D.

Associate Professor

CARDIOPULMONARY/ CARDIOVASCULAR

Lynne Hurwitz Kowek, M.D.

Associate Professor

Joseph Mammarappallil, M.D., Ph.D.

Assistant Professor

H. Page McAdams, M.D.

Professor

Tina Tailor, M.D.

Assistant Professor

E. Lacey Washington

Associate Professor

INTERVENTIONAL

Charles Kim, M.D.

Associate Professor

James Ronald, M.D., PhD

Assistant Professor

Tony P. Smith, M.D.

Professor

David Sopko, M.D.

Medical Instructor

Paul Suhocki, M.D.

Associate Professor

MUSCULOSKELETAL

R. Lee Cothran, M.D.

Assistant Professor

Thomas Farmer, M.D.

Assistant Professor

Clyde Helms, M.D.

Consulting Professor

Nicholas Said, M.D., MBA

Assistant Professor

Charles Spritzer, M.D.

Professor

Emily Vinson, M.D.

Assistant Professor



Faculty

NEURORADIOLOGY

Timothy Amrhein, M.D.
Assistant Professor

Daniel Barboriak, M.D.
Professor

James Eastwood, M.D.
Associate Professor

David Enterline, M.D.
Associate Professor

Linda Gray, M.D.
Associate Professor

Jenny Hoang, MBBS
Associate Professor

Peter Kranz, M.D.
Associate Professor

Michael Malinzak, M.D., Ph.D.
Medical Instructor
Co-Course Director

James Provenziale, M.D.
Professor

Christopher Roth, M.D.
Associate Professor

NUCLEAR MEDICINE

Salvador Borges-Neto, M.D.
Professor

Michael Hanson, M.D.
Professor

Brandon Howard, M.D., Ph.D.
Assistant Professor

Olga James, M.D.
Assistant Professor

PEDIATRICS

Caroline Carrico, M.D.
Associate Professor

Joseph Davis, M.D.
Assistant Professor

Gary Schooler, M.D.
Assistant Professor

Charles Maxfield, M.D.
Professor, Co-Course Director

PHYSICS

Joseph Lo, Ph.D.
Professor

Robert Reiman, M.D.
Associate Professor

Timothy Turkington, Ph.D.
Associate Professor

All faculty are members of the Duke Department of Radiology.



Duke University Medical Center
Durham, North Carolina

www.radiology.duke.edu



Duke Review Course 2018

COURSE FEE

	<u>On or prior to 2/3/18</u>	<u>After 2/3/18</u>
♦ Practicing Radiologists	\$1,450	\$1,525
♦ Military/VA/Retired Radiologists	\$1,000	\$1,075
♦ Residents/Fellows	\$950	\$1,025

Fees include all continental breakfasts, breaks, and lunches.

In an effort to be more environmentally conscious, we will distribute syllabus electronically. You are encouraged to bring your laptop or electronic device to follow along. All seats are equipped with power strips for your convenience. A paper syllabus **will only be provided upon request at a cost of \$100**. Please mark the appropriate box on the registration form.

A \$100 administrative fee will be assessed on all refunds prior to **2/16/2018**. After that date, no refund will be made.

For more information contact: **Debbie Griffin**
Administrative Coordinator
919.684.7228
deborah.griffin@duke.edu

PRACTICING RADIOLOGISTS

Practicing radiologists are assigned to a spacious and comfortable auxiliary conference room with tiered seating. Seating is limited to 100 persons. When room capacity is reached, you would be assigned to the larger conference room. The lectures are projected via a live audio/video feed from the main conference room. Practicing radiologists will have ample access to the faculty for questions after each session.

Breakfast and breaks are served directly in the private auxiliary conference room.



Duke Review Course 2018

REGISTRATION

Registration and payment is easy with one of three convenient options:

- ♦ Register and pay online at **www.radiology.duke.edu** with a credit card.
- ♦ Download the registration form and fax with complete credit card information to: **919.660.1769**
- ♦ Download the registration form from the website and mail with check payable to Duke University to:

Duke University Conference Services
Radiology Review Course
0066 Bryan University Center, Box 90841
Durham, NC 27708-0841

Early registration is recommended as the course fills to room capacity.

No on site registration is available.

Course materials will be available outside the conference room on **Saturday, March 3 beginning at 9 a.m.**

TRAVEL ARRANGEMENTS

The area is served by the Raleigh-Durham International Airport.



Duke Review Course 2018

ACCOMMODATIONS

The meeting is conveniently located at the Sheraton Imperial Hotel & Convention Center in Research Triangle Park, only 5 minutes away from the Raleigh-Durham International Airport (RDU) located between Durham (the “City of Medicine”: home of Duke University), Raleigh (capital of North Carolina) and Chapel Hill.

A block of discounted rooms is available at the Sheraton Imperial Hotel & Convention Center for the Review Course. The hotel houses two restaurants and has a 30,000 square foot athletic facility and adjacent lighted fitness trail. Airport transportation is provided by the hotel. Van service to nearby locales in the evening is provided for registrants.

Reservations can be made at www.radiology.duke.edu (click on the Duke Review Course link and select Hotel Reservation) or by contacting the hotel directly.

Sheraton Imperial Hotel
4700 Emperor Blvd Durham, NC 27703
919.941.5050
www.sheratonrtp.com
\$148 single/double per night

OTHER NEARBY LODGING

- ♦ Springhill Suites by Marriott: 919-998-9500
- ♦ Comfort Suites – RTP: 919-314-4949
- ♦ Wingate Inn: 919-941-2854
- ♦ Sleep Inn Hotel: 919-933-3393
- ♦ Hilton Raleigh-Durham Airport – RTP: 919-941-6000

AREA & WEATHER

The weather in April is beautiful! Average high temperatures in the spring are in the mid 70s with nightly lows in the 40-50s. Lightweight clothing is the preferred dress during the day with possibly a sweater or light jacket in the evenings and early mornings.

The meeting room is typically cool – Bring a sweater!



Duke Review Course 2018

DISCLOSURE

It is the policy of the Duke University Health System Clinical Education & 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 & 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.

DISCLAIMER

The information provided at this educational activity is for continuing medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.

SPECIAL NEEDS STATEMENT

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.