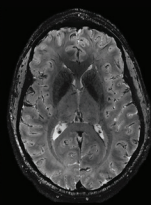
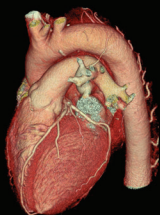


6 0 2 Duke Review Course

A comprehensive radiology immersion

March 5-10, 2016



DukeMedicine

Sponsored by the Duke University School of Medicine

Duke Review Course 2016

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

ACCREDITATION

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

CREDIT DESIGNATION

The Duke University School of Medicine designates this educational activity for a maximum of *52 AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

COURSE DIRECTORS

- ♦ Charles M. Maxfield, M.D.
- ♦ Bhavik Patel, M.D., MBA

DUKE RADIOLOGY REVIEW COURSE

March 5-10, 2016

Sheraton Imperial Hotel • Research Triangle Park, NC

Lecture Schedule

MARCH

5 Saturday

12:35 – 12:40 p.m. **WELCOME**

BREAST IMAGING

12:40 – 2:15 p.m. **BI-RADS and the Management of Mammographic Abnormalities**

2:15 – 2:20 p.m. **BREAK**

2:20 – 3:25 p.m. **Breast Imaging – The Rest of the Story**

3:25 – 3:30 p.m. **BREAK**

3:35 – 3:25 p.m. **Physics: X-Ray I – Basics & Mammography**

MARCH

6 Sunday

7:00 – 8:00 a.m. **CONTINENTAL BREAKFAST**

7:30 – 8:30 a.m. **Physics: Radiation Biology & Safety**

ULTRASOUND

8:30 – 9:05 a.m. **Ultrasound of the Urinary Tract**

9:05 – 9:35 a.m. **US of Thyroid & Scrotum**

9:35 – 9:40 a.m. **BREAK**

9:40 – 10:10 a.m. **GYN US**

10:10 – 10:55 a.m. **Ultrasound of 1st Trimester & Ectopic Pregnancy**

Lecture Schedule

MARCH

6

Sunday cont.

10:55 – 11:40 a.m.	2nd & 3rd Trimester Obstetric Ultrasound
11:40 – 11:45 a.m.	BREAK
11:45 – 12:15 p.m.	Abdominal Ultrasound
12:15 – 1:15 p.m.	LUNCH

INTERVENTIONAL

1:15 – 1:35 p.m.	Peripheral Interventional Radiology I
1:35 – 1:50 p.m.	Mesenteric Arteriography & Intervention
1:50 – 2:10 p.m.	Venous Disease and Management
2:10 – 2:15 p.m.	BREAK
2:15 – 2:40 p.m.	Non-Vascular Interventions
2:40 – 2:55 p.m.	Renal Diagnostic & Interventional Radiology
2:55 – 3:10 p.m.	Celiac Arterial & Hepatoportal Venous Interventions
3:10 – 3:20 p.m.	BREAK
3:20 – 3:40 p.m.	Peripheral Interventional Radiology II
3:40 – 3:50 p.m.	Basics of Cerebral Angiography
3:50 – 3:55 p.m.	BREAK
3:55 – 4:45 p.m.	Practical IT & Process Improvement

CARDIAC IMAGING

4:45 – 4:50 p.m.	BREAK
4:50 – 5:30 p.m.	Cardiac Imaging: A pattern-based approach – Part 1
5:30 – 6:10 p.m.	Cardiac Imaging: A pattern-based approach – Part 2
6:10 – 6:30 p.m.	Imaging Coronary Artery Disease
6:30 – 7:00 p.m.	Aortic Disease

Lecture Schedule

MARCH

7

Monday

7:00 – 8:00 a.m. **Continental Breakfast**

7:30 – 9:30 a.m. **Physics: MR**

9:30 – 9:35 a.m. **BREAK**

CHEST IMAGING

9:35 – 10:05 a.m. **Interstitial Lung Disease**

10:05 – 10:35 a.m. **Airspace Disease**

10:35 – 10:45 a.m. **BREAK**

10:45 – 11:30 a.m. **Interstitial Lung Disease**

11:30 – 12:00 noon **Mediastinum**

12:00 – 1:00 p.m. **LUNCH**

1:00 – 1:45 p.m. **Airway Disease**

1:45 – 2:30 p.m. **Pulmonary Nodules, Pleural Abnormalities**

2:30 – 2:35 p.m. **BREAK**

NUCLEAR MEDICINE

2:35 – 2:55 p.m. **V/Q Imaging**

2:55 – 3:10 p.m. **Nuclear Cardiology**

3:10 – 3:30 p.m. **Endocrine Imaging/CNS Imaging**

3:30 – 4:05 p.m. **Tumor/Infection/Lymphoscintigraphy**

4:05 – 4:15 p.m. **BREAK**

4:15 – 4:50 p.m. **PET CT**

4:50 – 5:10 p.m. **Scintigraphic Studies of the Genitourinary Tract**

5:10 – 5:30 p.m. **Hepatobiliary & GI Scintigraphic Studies**

DINNER BREAK

7:00 – 9:00 p.m. **Multiple choice question review**

Lecture Schedule

MARCH

8

Tuesday

7:00 – 8:00 a.m.	CONTINENTAL BREAKFAST
7:30 – 8:30 a.m.	Physics: Nuclear Medicine
8:30 – 8:35 a.m.	BREAK
8:35 – 9:05 a.m.	Musculoskeletal Scintigraphy

PEDIATRICS

9:05 – 9:25 a.m.	Newborn Chest
9:25 – 9:55 a.m.	Pediatric Abdominal Masses
9:55 – 10:00 a.m.	BREAK
10:00 – 10:25 a.m.	Congenital Heart Disease
10:25 – 11:00 a.m.	Pediatric Skeletal Radiology
11:00 – 11:05 a.m.	BREAK
11:05 – 11:30 a.m.	Pediatric Chest
11:30 – 11:50 a.m.	Neonatal Head & Spine Ultrasound
11:50 – 12:20 noon	Pediatric Uroradiology
12:20 – 1:20 p.m.	LUNCH
1:20 – 2:10 p.m.	Peds Gastrointestinal Imaging

NEURORADIOLOGY

2:10 – 2:55 p.m.	Temporal Bones & Skull Base
2:55 – 3:25 p.m.	Imaging of the Spine – Extradural Disease
3:25 – 3:35 p.m.	BREAK
3:35 – 4:15 p.m.	Intradural & Intramedullary Diseases of the Spine
4:15 – 5:00 p.m.	Practical Approach to Brain Tumors
5:00 – 5:05 p.m.	BREAK
5:05 – 5:35 p.m.	Congenital Anomalies of the Brain
5:35 – 6:20 p.m.	Cerebrovascular Disease

Lecture Schedule

MARCH

9

Wednesday

7:00 – 8:00 a.m.	Continental Breakfast
7:30 – 9:00 a.m.	Physics: CT
9:00 – 9:05 a.m.	BREAK
9:05 – 9:35 a.m.	Head & Neck Radiology
9:35 – 9:55 a.m.	Central Nervous System Infections
9:55 – 10:05 a.m.	BREAK
10:05 – 10:30 p.m.	Diseases of White Matter
10:30 – 11:05 a.m.	Imaging of the Orbits
11:05 – 11:50 a.m.	Quality Control & Safety
11:50 – 12:50 p.m.	LUNCH
12:50 – 1:45 p.m.	Physics: X-Ray II - Digital Radiography & Fluoro

ABDOMINAL IMAGING

1:45 – 1:50 p.m.	BREAK
1:50 – 2:20 p.m.	Non-Invasive Imaging of the Biliary System
2:20 – 2:50 p.m.	Imaging of Pancreatic Disease
2:50 – 3:00 p.m.	BREAK
3:00 – 3:30 p.m.	Radiology of the Adrenals & Retroperitoneum
3:30 – 4:05 p.m.	Renal Masses / Infection
4:05 – 4:20 p.m.	Imaging of the Ureters, Bladder & Urethra
4:20 – 4:25 p.m.	BREAK
4:25 – 4:40 p.m.	Non-Vascular Intervention
4:40 – 5:10 p.m.	MR of the Female Pelvis
	DINNER BREAK
7:00 – 9:00 p.m.	Multiple choice question review

Lecture Schedule

MARCH

10 Thursday

7:00 – 8:00 a.m.	Continental Breakfast
7:30 – 8:30 a.m.	Physics: Ultrasound
8:30 – 8:35 a.m.	BREAK
8:35 – 9:05 a.m.	Vascular Ultrasound
9:05 – 9:35 a.m.	Acute Abdomen
9:35 – 10:00 a.m.	Esophagus to Stomach
10:00 – 10:10 a.m.	BREAK
10:10 – 10:45 a.m.	Small Bowel & Colon
10:45 – 11:30 a.m.	Liver & Splenic Imaging

MUSCULOSKELETAL

11:30 – 12:05 p.m.	Orthopedic Trauma
12:05 – 1:05 p.m.	LUNCH
1:05 – 1:25 p.m.	Metabolic Bone Disease
1:25 – 1:55 p.m.	Musculoskeletal Miscellany
1:55 – 2:25 p.m.	Malignant Skeletal Tumors
2:25 – 2:35 p.m.	BREAK
2:35 – 3:05 p.m.	MRI of the Shoulder
3:05 – 3:50 p.m.	MRI of the Knee
3:50 – 3:55 p.m.	BREAK
3:55 – 4:35 p.m.	Benign Lytic Bone Lesions
4:35 – 5:15 p.m.	Radiology of Arthritis

Faculty

ABDOMINAL IMAGING

Brian Allen, M.D.

Assistant Professor

Mustafa Bashir, M.D.

Associate Professor

Sujata Ghate, M.D.

Associate Professor

Rajan Gupta, M.D.

Assistant Professor

Clare Haystead, M.D.

Assistant Professor

Barbara Hertzberg, M.D.

Professor

Lisa Ho, M.D.

Associate Professor

Tracy Jaffe, M.D.

Associate Professor

Richard Leder, M.D.

Associate Professor

Daniele Marin, M.D.

Associate Professor

Chad Miller, M.D.

Assistant Professor

Rendon Nelson, M.D.

Professor

Erik Paulson, M.D.

Professor & Chairman

Bhavik Patel, M.D.

Assistant Professor

BREAST IMAGING

Jay Baker, M.D.

Professor

Karen Johnson, M.D.

Assistant Professor

CARDIOTHORACIC IMAGING

Jared D. Christensen, M.D.

Assistant Professor

Laura Heyneman, M.D.

Associate Professor

Lynne Hurwitz, M.D.

Associate Professor

Joseph Mammarrappallil, M.D., Ph.D.

Assistant Professor

H. Page McAdams, M.D.

Professor

Lacey Washington, M.D.

Associate Professor

MUSCULOSKELETAL IMAGING

R. Lee Cothran, M.D.

Assistant Professor

Thomas Farmer, M.D.

Assistant Professor

Thomas Hash, M.D.

Assistant Professor

Clyde Helms, M.D.

Professor

Charles Spritzer, M.D.

Professor

Emily Vinson, M.D.

Assistant Professor

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, M.D.

Associate Professor

Peter Kranz M.D.

Assistant Professor

Chris D. Lascola, M.D., Ph.D.

Assistant Professor

James Provenza, M.D.

Professor

Christopher Roth, M.D.

Assistant Professor

NUCLEAR MEDICINE

Salvador Borges-Neto, M.D.

Professor

Bennett Chin, M.D.

Associate Professor

Michael Hanson, M.D.

Professor

Brandon Howard, M.D., Ph.D.

Medical Instructor

Olga James, M.D.

Assistant Professor

PEDIATRICS

Caroline Carrico, M.D.

Associate Professor

Joseph Davis, M.D.

Medical Instructor

Charles Maxfield, M.D.

Professor

Gary Schooler, M.D.

Medical Instructor

PHYSICS

Mustafa Bashir, M.D.

Associate Professor

Joseph Lo, Ph.D.

Professor

Daniele Marin, M.D.

Associate Professor

Chad Miller, M.D.

Assistant Professor

Jeffrey Nelson, MHP

Radiation Physicist

Rendon Nelson, M.D.

Professor

Robert Reiman, M.D.

Associate Professor

Ehsan Samei, Ph.D.

Professor

Timothy Turkington, Ph.D.

Associate Professor

INTERVENTIONAL

Charles Kim, M.D.

Associate Professor

Waleska Pabon-Ramos, M.D.

Assistant Professor

Tony Smith, M.D.

Professor

David Sopko, M.D.

Medical Instructor

Paul Suhocki, M.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 2016

COURSE FEE

	<u>On or prior to 2/6/16</u>	<u>After 2/6/16</u>
♦ Practicing Radiologists	\$1,450	\$1,525
♦ Military 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 \$75**. Please mark the appropriate box on the registration form.

A \$100 administrative fee will be assessed on all refunds prior to 1/31/2016. After that date, no refund will be made.

For more information contact: **Debbie Griffin**
Course 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.

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 5 beginning at 9 a.m.**

TRAVEL ARRANGEMENTS

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

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

\$143 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!

FACULTY DISCLOSURE

The Duke University School of Medicine adheres to ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of the planning committee and faculty's commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

RESOLUTION OF CONFLICTS OF INTEREST

In accordance with the ACCME Standards for Commercial Support of CME, the Duke University School of Medicine will implement mechanisms, prior to the planning and implementation of this CME activity, to identify and resolve conflicts of interest for all individuals in a position to control content of this CME activity.

DISCLAIMER

The information provided at this CME 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.