

UW Medicine

UW SCHOOL  
OF MEDICINE

# Emergency Radiology 2024



Photo courtesy of starvingphotographer.com

Sunday - Tuesday  
*August 11 - 13, 2024*

University of Washington | South Lake Union  
Orin Smith Auditorium  
850 Republican Street  
Seattle, WA 98109

Sponsored by:  
UW School of Medicine  
Department of Radiology  
Office of Continuing Medical Education

## WHO SHOULD ATTEND

The primary audience will be radiologists (residents, fellows, and practicing radiologists) and imaging technologists. Other practitioners in Emergency Medicine may also find the imaging approach and interpretation useful – such as PAs, NPs, and MDs working in emergency departments.

## COURSE DESCRIPTION

This course will provide an update and review on the imaging appearance of trauma and stroke, with a special focus on the key aspects of diagnosis and management, from the perspective of a regional network of care. Content will include indications for a higher level of care, radiology considerations for evacuation and transport, quality improvement, lessons learned, and local responsibilities in regional disaster response. Content will be presented by world renowned experts from the University of Washington and from trauma centers across the United States and Canada including the perspectives of surgery, emergency medicine, neurology, regional emergency transport, trauma network managers, and policy-makers.

## COURSE OBJECTIVES

Upon completion of this activity, attendees should be able to:

- Determine appropriate imaging protocols.
- Recognize common and uncommon conditions encountered in emergency radiology.
- Provide appropriate recommendations for incidental findings.

## ATTENDANCE POLICY

Course activities are exclusively reserved for registered attendees. In consideration of other participants and speakers, please do not bring infants/children into conference sessions.

## ACCREDITATION

### Accreditation with Commendation

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

### Credit Designation

The University of Washington School of Medicine designates this other activity for a maximum of 21.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Extended viewing for this activity will be available until December 31, 2024.

## FEES AND REGISTRATION

To enroll, please register online at [uwcme.org](http://uwcme.org).

Continuing Medical Education at the University of Washington is a self-sustaining unit and does not depend on or receive public monies in support of its educational efforts. The course fees are estimated to include transcript of AMA PRA Category 1 Credits™, access to online instruction materials, catering, venue, logistics, CME fees, taxes, faculty planning and salaries.

If you have not received confirmation prior to the course start, please contact the CME office at [cme@uw.edu](mailto:cme@uw.edu). Continuing Medical Education will not be responsible for expenses incurred by an individual who is not confirmed.

Registration	Before 7/7	Beginning 7/7
MD/DO/ND/PhD	\$650.00	\$700.00
Allied Health/ Radiology Tech	\$400.00	\$450.00
*Non-UW Resident/ Fellow/Student	\$400.00	\$450.00
*UW Resident/ Fellow/Student	\$200.00	\$250.00

*\* Resident/Fellow rates require written confirmation of current Resident/Fellow status. Failure to provide current documentation will result in a higher rate applied to your registration.*

Beginning July 29, 2024, the registration rate will increase by \$25.



## ONLINE PRESENTATIONS AND MATERIALS

Instruction materials will be available online at [uwcme.org](http://uwcme.org) (for conference registrants only). Materials will be available starting on August 5, 2024, for registrants to print and/or download. A booklet with the conference agenda and pages for note-taking will be provided at the conference. No printed presentation materials will be available.

## CANCELLATION POLICY

The Office of Continuing Medical Education must receive written notification of your cancellation by **July 26, 2024**. A \$75.00 processing fee will be deducted from refund requests received by this date. No refunds will be issued after July 26, 2024. The Office of Continuing Medical Education reserves the right to cancel this course twenty (20) days prior to the course date when a minimum enrollment is not met or for other reasons that prevent the University from holding the course. Each registrant will be notified through email and receive a full refund. The University of Washington is not responsible for any other costs incurred such as non-refundable airline tickets or hotel penalties. Contact the CME Office with questions call 206.543.1050, fax 206.221.4525 or email [cme@uw.edu](mailto:cme@uw.edu).

## DIETARY REQUESTS

UW CME takes into consideration diverse nutritional preferences and restrictions when planning our complimentary menu. However, those individuals who might find that our menu is not completely aligned to their specific nutritional needs are welcome to bring their own food items.

If you have dietary restrictions (e.g., vegan, gluten-free, etc.), please send an email to [cme@uw.edu](mailto:cme@uw.edu) by **July 26, 2024**.

## SPECIAL SERVICES

The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, gender identity, sexual orientation, age, marital status, disability, or status as a protected veteran in accordance with University policy and applicable federal and state statutes and regulations. The University of Washington is committed to providing access and reasonable accommodation in its services, programs, activities, education, and employment for individuals with disabilities. To request disability accommodation in the application process, contact the department at 206.543.1050 or the Disability Services Office at least ten days in advance.

Disability Services Office

206.543.6450/Voice • 206.543.6452/TTY 206.685.7264/Fax • e-mail: [dso@uw.edu](mailto:dso@uw.edu)

## ACCOMMODATIONS

*The following hotels are located near the conference site. To make reservations, please directly contact the hotels.*

### Astra Hotel A Tribute Hotel

300 Terry Ave N  
Seattle, WA 98109  
206.693.6000

<https://astrahotelseattle.com>

### Courtyard by Marriott

925 Westlake Ave N  
Seattle, WA 98109  
206.213.0100

<https://www.marriott.com/>

### EVEN Hotel

527 Fairview Ave N  
Seattle, WA 98109  
206.596.2302

<https://www.ihg.com/>

### Fairfield Inn & Suites

226 7th Ave N  
Seattle, WA 98109  
206.443.2012

<https://www.marriott.com/>

### Hyatt House

201 Fifth Ave N  
Seattle, WA 98109  
206.727.1234

<https://www.hyatt.com/>

### MOXY Seattle Downtown

1016 Republican Street  
Seattle, WA 98109  
206.708.8200

<https://www.marriott.com/>

### Residence Inn

800 Fairview Ave N  
Seattle, WA 98109  
206.624.6000

<https://www.marriott.com/>

### Staybridge Suites

1119 Mercer Street  
Seattle, WA 98109  
877.238.8889

<https://www.ihg.com/>

# Course Faculty

## Course Co-Chairs

**Jason Hartman, MD**  
Clinical Assistant Professor  
Department of Radiology  
Emergency and Trauma  
University of Washington

**Eric Roberge, MD**  
Clinical Associate Professor  
Department of Radiology  
Harborview Medical Center and UW Medical Center  
University of Washington

## Planning Committee

**Joel A. Gross, MD, MS, FASER**  
Professor  
Department of Radiology

**Claire Sandstrom, MD, FASER**  
Associate Professor  
Department of Radiology  
Harborview Medical Center

**Ken Linneau, MD, MS, FASER**  
Professor, Section Chief  
Department of Radiology

**Mahesh Thapa, MD**  
Professor  
Department of Radiology  
Pediatric Radiology  
Division Chief of Musculoskeletal Imaging  
Director of Diagnostic Imaging

**Jeffrey Robinson, MD, MBA, FACR**  
Associate Professor  
Department of Radiology

## Guest Faculty

**Krystal Archer-Arroyo, MD**  
Associate Professor of Medicine  
Department of Radiology &  
Imaging Sciences  
Emory University  
Atlanta, GA

**Nicholas Beckmann, MD**  
Associate Professor  
Diagnostic and Interventional Imaging  
University of Texas Health Science Center  
Houston, TX

**Daniel Bess, MD**  
Neuroradiology Specialist  
Fort Belvoir, VA

**Lawrence Chow, MD**  
Clinical Professor  
Department of Radiology  
Stanford  
Stanford, CA

**David L. Coy, MD, PhD**  
Abdominal Radiologist  
Chief of Radiology  
Virginia Mason Medical Center  
Seattle, WA

**Matthew P. Dattwyler, MD**  
Assistant Professor  
Diagnostic Radiology & Nuclear Medicine  
University of Maryland  
Baltimore, MD

**David Dreizin, MD**  
Associate Professor  
Diagnostic Radiology & Nuclear Medicine  
University of Maryland  
Baltimore, MD

**Shaimaa Fadl, MBChB**  
Assistant Professor  
Department of Radiology  
Virginia Commonwealth University  
Richmond, VA

**Corey K. Ho, MD**  
Inland Imaging Associates  
Seattle, WA

**Bharti Khurana, MD, MBA, FACR, FASER**  
Associate Professor of Radiology  
Harvard Medical School  
Founder and Director  
Trauma Imaging Research and Innovation  
Center (TIRIC)  
Boston, MA

**Nicks Kumaravel, MD**  
Professor  
Radiology & Orthopedic Surgery  
University of Texas  
Assistant Vice President  
Community Program  
Vice Chair Diagnostic Radiology  
Memorial Hermann Endowed Chair  
Houston, TX

**Lee A. Myers, MD**  
Associate Professor  
Department of Diagnostic and Interventional  
Imaging  
University of Texas  
Houston, TX

**Savvas Nicolaou, MD**  
Professor  
Director of VGH Emergency/  
Trauma Imaging  
Vancouver Coastal Health  
Vancouver, BC



# Course Faculty

## Guest Faculty Con't

### **Brian Petersen, MD**

MSK Radiologist  
Physician Chair  
Inland Imaging  
Spokane, WA

### **Susanna C Spence, MD**

Associate Professor  
Diagnostic and Interventional Imaging  
University of Texas Health Science Center  
Houston, TX

### **Scott Steenburg, MD**

Associate Professor of Radiology  
Department of Radiology & Imaging Sciences  
Indiana University School of Medicine  
Indianapolis, IN

### **Christopher M. Walker, MD**

Professor of Radiology  
Glen and Karen Cox Endowed Professor  
University of Kansas Medical Center  
Kansas City, KS

### **Marianna Zagurovskaya, MD**

Associate Professor, Clinical Title Series  
Department of Radiology & Imaging Sciences  
Division of Emergency Radiology  
Indiana University School of Medicine  
Indianapolis, IN

## UW Faculty

### **Matt Abad-Santos, MD**

Assistant Professor  
Associate Program Director  
IR Residency Programs  
International Radiology  
Department of Radiology

### **Patricia Anderson, MSN**

Director - Program Operations  
Trauma Program  
Harborview Medical Center

### **Jalal B. Andre, MD, DABR**

Associate Professor  
Department of Radiology

### **Saman Arbabi, MD, MPH, FACS**

Professor  
Division of Trauma, Burn, and Critical Care  
Surgery  
Harborview Injury Prevention and Research  
Center  
Harborview Medical Center

### **C. Craig Blackmore, MD, MPH**

Clinical Professor  
Department of Radiology  
Harborview Medical Center

### **Stephanie Chen, MD**

Assistant Professor  
Department of Neurological Surgery  
Harborview Medical Center

### **Patti Curl, MD**

Assistant Professor  
Department of Radiology  
Neuroradiology

### **Manish Dhyani, MD**

Assistant Professor  
Department of Abdominal Imaging  
Associate Medical Director for  
Ultrasound

### **Chad Downing, MD**

Clinical Assistant Professor  
Department of Radiology  
Musculoskeletal Radiology

### **Avanti Gulhane, MD, DNB, FSCMR**

Acting Instructor  
Cardiothoracic Imaging  
Department of Radiology

### **Diana L. Lam, MD**

Associate Professor of Radiology  
Clinical Director of Breast Imaging  
Department of Radiology  
UW Medical Center | Northwest

### **Ken Linnau, MD, MS, FASER**

Professor  
Section Chief  
Department of Radiology

### **Ezekiel Maloney, MD, MSc**

Assistant Professor  
Department of Radiology  
Pediatric Radiology

### **Bahar Mansoori, MD**

Assistant Professor  
Department of Radiology  
Director of Abdominal Imaging Fellowship

### **Stephen Morris, MD, MPH**

Associate Professor  
Department of Emergency Medicine

### **Sakura Noda, MD**

Assistant Professor  
Department of Radiology  
Pediatric Radiology

### **Jeffrey Otjen, MD**

Associate Professor  
Department of Radiology  
Pediatric Radiology

### **Murat (Alp) Oztek, MD**

Assistant Professor  
Department of Radiology,  
Pediatric Neuroradiology

### **Christine Rehwald, MD**

Clinical Assistant Professor  
Department of Radiology  
Program Director  
Diagnostic Radiology Residency

### **Kanwardeep Singh, MD**

Clinical Assistant Professor  
Department of Radiology  
Harborview Medical Center  
UW Medical Center

### **Cheryl Stromberg, RN**

Health Program Operations Specialist  
Trauma Program  
Harborview Medical Center

### **Richard Utarnachitt, MD, MS**

Clinical Associate Professor  
Department of Emergency Medicine  
Medical Director Airlift Northwest

### **Lei Wu, MD**

Assistant Professor  
Department of Radiology  
Neuroradiology

# Sunday, August 11, 2024

- 7:50 Welcome & Introduction | *Jason Hartman, MD & Eric Roberge, MD*
- 8:00 Nontraumatic Cardiac Imaging in the ED | *Jeffrey Robinson, MD, MBA, FACR*
- 8:20 Efficiency Strategies for CCTA in the ED | *Jeffrey Robinson, MD, MBA, FACR*
- 8:40 New CCTA Techniques: FFR and Photon Counting CT |  
*Avanti Gulhane, MD, DNB, FSCMR*
- 9:00 Thoracic Imaging of Substance Abuse | *Christopher M. Walker, MD*
- 9:20 Clinical Presentation Series: "I Can't Breathe!" | *Christopher M. Walker, MD*
- 9:40 Question & Answer
- 9:50 **BREAK**
- 10:10 IR Perspective on PE and Massive Pulmonary Hemorrhage | *Matt Abad-Santos, MD*
- 10:30 Pediatric Airway Emergencies | *Jeffrey Otjen, MD*
- 10:50 Pediatric Chest Emergencies | *Jeffrey Otjen, MD*
- 11:10 The Lateral Chest X-Ray | *Shaimaa Fadl, MBChB*
- 11:30 Thoracic Trauma 1: Mediastinum and Diaphragm | *Marianna Zagurovskaya, MD*
- 11:50 Question & Answer
- 12:00 **LUNCH**
- 1:00 What Do I Do with That Breast Lesion? | *Diana Lam, MD*
- 1:20 Shoulder Injuries | *Chad Downing, MD*
- 1:40 Knee Injuries | *Lee Myers, MD*
- 2:00 Ankle Injuries | *Nicholas Beckmann, MD*
- 2:20 Splenic Trauma | *Lee Myers, MD*
- 2:40 Question & Answer
- 2:50 **BREAK**
- 3:00 Gunshot Injuries: A Radiology Primer | *Ken Linnau, MD, MS, FASER*
- 3:20 Urologic Trauma | *Joel Gross, MD, MS, FASER*
- 3:40 Liver & Biliary Trauma | *Krystal Archer-Arroyo, MD*
- 4:00 Abdominal Oncologic Emergencies | *Bahar Mansoori, MD*
- 4:20 Imaging the Transgender Patient In the ED | *Lawrence Chow, MD*
- 4:40 Question & Answer
- 4:50 **ADJOURN**

# Monday, August 12, 2024

- 7:50** Welcome & Introduction | *Jason Hartman, MD & Eric Roberge, MD*
- 8:00** Role of Larger Hospital Network in MCI | *Stephen Morris, MD, MPH*
- 8:20** Fast Osteo MRI in Children | *Mahesh Thapa, MD*
- 8:40** Pediatric Upper Extremity Emergencies | *Ezekiel Maloney, MD, MSc*
- 9:00** Pediatric Lower Extremity Emergencies | *Ezekiel Maloney, MD, MSc*
- 9:20** Pelvic Ring Trauma | *Nicks Kumaravel, MD*
- 9:40** Question & Answer
- 9:50** **BREAK**
- 10:10** NSTI and Other Emergent MSK Infections | *Christine Rehwald, MD*
- 10:30** Pediatric Abdominal Emergencies | *Sakura Noda, MD*
- 10:50** Traumatic Aortic Injury | *Scott Steenburg, MD*
- 11:10** Thoracic Trauma 2: Chest Wall and Pulmonary | *Scott Steenburg, MD*
- 11:30** Bowel and Mesenteric Injuries | *Scott Steenburg, MD*
- 11:50** Question & Answer
- 12:00** **LUNCH**
- 1:00** Intracranial Hemorrhage | *Patti Curl, MD*
- 1:20** Blast Injury and TBI | *Daniel Bess, MD*
- 1:40** Pediatric Brain Emergencies | *Murat (Alp) Oztek, MD*
- 2:00** Pediatric Spine Emergencies | *Murat (Alp) Oztek, MD*
- 2:20** Spine Trauma | *C. Craige Blackmore, MD, MPH*
- 2:40** Question & Answer
- 2:50** **BREAK**
- 3:00** Harborview Emergency Department Didactic Presentation | *TBD*
- 3:15** *Travel to Harborview Medical Center*
- 3:45** Harborview Emergency Department Tour | *Cheryl Stromberg, RN & Patricia Anderson, MSN*
- 4:15** *Travel to South Lake Union Campus*
- 4:45** **ADJOURN**

# Tuesday, August 13, 2024

- 7:50** Welcome & Introduction | *Jason Hartman, MD & Eric Roberge, MD*
- 8:00** Hip and Femur Injuries | *Brian Petersen, MD*
- 8:20** Acetabular Trauma | *Matthew P. Dattwyler, MD*
- 8:40** Elbow and Forearm Injuries | *Corey K. Ho, MD*
- 9:00** The Mangled Extremity | *Claire Sandstrom, MD*
- 9:20** Hand and Finger Injuries | *Susanna Spence, MD*
- 9:40** Question & Answer
- 9:50** **BREAK**
- 10:10** Wrist Injuries | *Kanwardeep Singh, MD*
- 10:30** Transport and Evacuation | *Richard Utarnachitt, MD, MS*
- 10:50** The Role of Radiology in a Large Trauma Network | *Saman Arbabi, MD, MPH, FACS*
- 11:10** Postoperative Bowel | *David L. Coy, MD, PhD*
- 11:30** Intimate Partner Violence | *Bharti Khurana, MD, MBA, FACR, FASER*
- 11:50** Question & Answer
- 12:00** **LUNCH**
- 1:00** WBCT – What The Surgeon Wants To Know | *Savvas Nicolaou, MD*
- 1:20** Where Things Go Wrong: Blind Spots in ED Imaging | *Jeffrey Robinson, MD, MBA, FACR*
- 1:40** Vascular US for the Emergency Radiologist | *Manish Dhyani, MD*
- 2:00** Sacrum | *David Dreizin, MD*
- 2:20** Mandible | *David Dreizin, MD*
- 2:40** Question & Answer
- 2:50** **BREAK**
- 3:00** Midface | *David Dreizin, MD*
- 3:20** BCVI | *Lei Wu, MD*
- 3:40** Stroke | *Jalal B. Andre, MD, DABR*
- 4:00** CTP | *Jalal B. Andre, MD*
- 4:20** Stroke Intervention | *Stephanie Chen, MD*
- 4:40** Question & Answer
- 4:50** **ADJOURN**