

# SCOTTISH RITE



*4th Annual International*

# Pediatric Musculoskeletal Ultrasound Symposium

An instructional course with small group, hands-on scanning of live pediatric models. Capacity is limited.

**Friday-Saturday, October 25-26, 2024**



**REGISTER NOW!**  
Course Fee: **\$1,000**

**Scottish Rite for Children  
Orthopedic and Sports Medicine Center**  
5700 Dallas Parkway, Frisco, Texas 75034



## Agenda:

### **Friday, October 25, 2024**

**7:30 a.m.** *Check-in and Breakfast*

**8:00 a.m.** *Welcome*

#### **Session 1**

- Basics of Ultrasound for the Pediatric Population: Physics, Knobology, Basic Optimization
- Current State of Pediatric MSKUS: Local and International Perspectives
- Scanning Session: Knobology and Image Optimization

#### **Session 2**

- Role of MSKUS in Pediatrics
- Developmental Dysplasia of the Hip
- Scanning Session: Anatomy in Skeletally Immature Patients

***Lunch Provided***

#### **Session 3**

- Administrative and Billing Considerations for POC MSKUS
- Common MSKUS Findings in Pediatric and Sports Injuries

#### **Session 4**

- Common MSKUS Findings in Children with Juvenile Idiopathic Arthritis
- MSKUS Guided Procedures in Pediatrics
- Scanning Session: Practice for Guided Injections

**4:00 p.m.** *Wrap-Up*

### **Saturday, October 26, 2024**

**7:30 to 8:00 a.m.** *Breakfast Provided*

#### **Demonstrations of Scanning Protocol and Scanning Sessions**

- Knee and Ankle
- Shoulder and Elbow

***Lunch Provided***

#### **Demonstration of Scanning Protocol and Scanning Session**

- Hip

#### **International Lecture**

- The Capabilities of MSK Ultrasound in Pediatrics - A Case-based Discussion

**2:30 p.m.** *Wrap-Up and Depart*

## COURSE DIRECTORS

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**Jacob C. Jones, M.D., RMSK**

Dr. Jones is board-certified in pediatrics and sports medicine. He sees patients at Scottish Rite for Children Orthopedic and Sports Medicine Center in Frisco, Texas. Jones completed his pediatrics residency in Dallas at Children's Medical Center/UT Southwestern Medical Center, and he completed fellowships in pediatric sports medicine, sports medicine and musculoskeletal ultrasound (MSKUS) at Boston Children's Hospital/Harvard Medical School. He has taught courses across the U.S. and in Mexico. His research interests include the use of MSKUS in evaluating the impact of sport participation and injuries in skeletally immature populations.

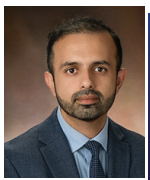


**Heather Benham, D.N.P., APRN, CPNP-PC, RhMSUS**

Benham is a certified pediatric nurse practitioner in the Rheumatology department at Scottish Rite for Children in Dallas, Texas. She received her Doctor of Nursing Practice and Master of Science in nursing from the Frances Payne Bolton School of Nursing at Case Western Reserve University in Cleveland, Ohio. She holds certification in MSKUS through the American College of Rheumatology and is a member of The Musculoskeletal Ultrasound Work group for the Childhood Arthritis and Rheumatology Research Alliance. One of her current research interests is in the use of MSKUS in inflammatory arthritis.

## COURSE FACULTY

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**Hamza Alizai, M.D.**

Dr. Alizai is an attending radiologist at Children's Hospital of Philadelphia and an assistant professor at the University of Pennsylvania Perelman School of Medicine. He is also a consulting musculoskeletal radiologist for Scottish Rite for Children. After earning his medical degree from the Ross University School of Medicine in Portsmouth, Dominica, he trained and served as chief resident at The University of Texas Health Science Center at San Antonio. He pursued fellowship training first in musculoskeletal radiology at NYU Langone Health in New York, then as a postdoctoral research fellow in musculoskeletal radiology at the University of California San Francisco. He is dedicated to sharing his expertise globally, having taught courses in Africa and South America.

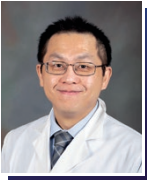


**Mark Bowens, RDMS, R.V.T., RMSKS**

Bowens is a staff sonographer at the Scottish Rite for Children Orthopedic and Sports Medicine Center in Frisco, Texas. With 30 years of experience as a sonographer, he is a registered diagnostic medical sonographer, a registered vascular technologist and a registered musculoskeletal sonographer.

## COURSE FACULTY (Continued)

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### **Joseph Chang, M.D.**

Dr. Chang is a staff radiologist at Scottish Rite for Children in Dallas, Texas. Chang received his medical degree from the University of Cincinnati College of Medicine before completing a residency in diagnostic radiology and a fellowship in MSK imaging at the Cleveland Clinic in Cleveland, Ohio. His clinical interests include MSKUS and MRI imaging and image-guided joint, bone and spine interventions. His professional memberships include the American Roentgen Ray Society, Society of Pediatric Radiology, Texas Medical Association and Dallas County Medical Society.



### **Matthew Ditzler, M.D.**

Dr. Ditzler is a staff radiologist at Scottish Rite for Children. Previously, he served as assistant professor in the department of Radiology at Texas Children's Hospital. He received his medical degree from the McGovern Medical School at UTHealth Houston before completing his residency in diagnostic radiology at The University of Texas Medical Branch at Galveston. Dr. Ditzler completed a one-year sub specialty fellowship in pediatric imaging and a one-year sub specialty fellowship in pediatric musculoskeletal imaging at Texas Children's Hospital.



### **Zoran Filipović, P.T., M.Sc.**

Filipović is a physical therapist with extensive training and clinical experience in orthopedics and sports medicine. He owns a private rehabilitation clinic in Zagreb, Croatia, where he provides musculoskeletal ultrasound, shockwave therapy and postoperative orthopedic rehabilitation. Since 2017, he has led MSKUS training around the world, leading more than 70 separate courses. His 2022 master's thesis focused on shoulder joint scanning protocols.



### **Matthew Hammer, M.D.**

Dr. Hammer is associate professor of radiology at UT Southwestern Medical Center and a member of its Pediatric Radiology Division. Hammer also serves as the director of the Pediatric Radiology Fellowship program. His clinical interests include MSKUS imaging in children, as well as pediatric magnetic resonance (MR) enterography, MR urography and perineal imaging in Crohn's disease. He earned his medical degree and completed a radiology residency at the University of Michigan Medical School in Ann Arbor, Michigan. After completing the Medical Education Scholars program, he also completed fellowship programs in pediatric radiology and in MSK radiology.



### **Lee Prater, M.H.A.**

Lee Prater, M.H.A., is the senior director of clinical operations for the Scottish Rite for Children Orthopedic and Sports Medicine Center in Frisco, Texas. She earned a Master of Healthcare Administration at The University of North Carolina. She has been instrumental in the facilities and operational planning, as well as the dramatic growth in volume for Scottish Rite's Frisco campus.

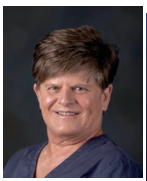
## COURSE FACULTY *(Continued)*

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### **Saulius Rutkauskas, M.D., Ph.D.**

Dr. Rutkauskas is a radiologist, the founder and CEO of the Ultrasound Center in Kaunas, Lithuania, and an associate professor at the Lithuanian University of Health Sciences where he completed a radiology residency and his Ph.D. He heads the Musculoskeletal Diagnostic Ultrasound Society in Lithuania and has co-authored two textbooks on ultrasound. In addition, he has numerous published and peer-reviewed articles on ultrasound. He has organized and taught MSK ultrasound conferences and seminars in Lithuania and around the world.



### **Kelley Sherrard, RDMS**

Sherrard is a lead sonographer at Scottish Rite for Children in Dallas, Texas. She has 14 years of experience as a sonographer and has completed her certification as a registered diagnostic medical sonographer.

## Learning Objectives:

- Discuss transducer and equipment setting selections for Pediatric musculoskeletal ultrasound examinations.
- Discuss the basic pediatric musculoskeletal anatomy pertinent to ultrasound of children at different ages.
- Identify and discuss the appearance of the growing articular skeleton when obtaining a musculoskeletal ultrasound of children.
- Describe normal findings and common pathology on ultrasound of the major joints and other musculoskeletal structures.
- Discuss the spectrum of musculoskeletal ultrasound-guided interventional procedures.
- Describe the benefits and limitations of musculoskeletal ultrasound for diagnosis and intervention.



