



**THE OHIO STATE UNIVERSITY**  
WEXNER MEDICAL CENTER

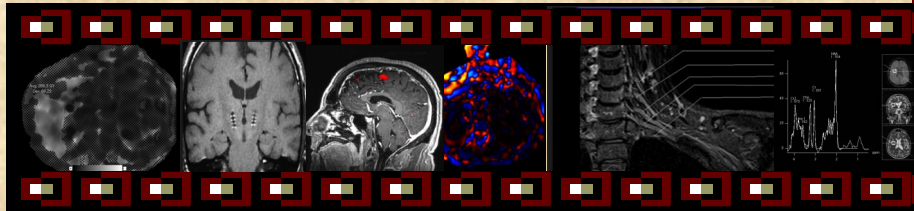
# The 14th Annual Magnetic Resonance Imaging Seminar

Hosted by: The MRI Educational Program  
Wexner Medical Center at The Ohio State University

## “Spins To The Left In MRI-Ville!”

Including 2 day MRSO course and MR Registry Prep

March 9-10, 2018



**Nationwide Conference Center**

100 Green Meadows Dr S, Lewis Center, OH 43035

## Schedule: Friday March 9, 2018

8:00 to 16:45 (8 ASRT credit hours)

- 06:30- 07:30    **Registration & Breakfast**
- 07:45- 08:00    **Welcome & Introductions**  
                    Jeannie Danker, MPH,R.T.(R), Joseph Yu, M.D.
- 08:00- 08:50    **MSK MR Imaging and Interesting Cases (1 CE)**  
                    Joseph Yu, M.D.
- 09:00-10:15    **An Organizational Guide to MR Safety for Your Institution (1.5 CE)**  
                    Tobias Gilk, MRSO (MRSC), M.Arch.
- 10:25-11:20    **“Current Status of Superparamagnetic Iron Oxide Contrast Agents in MR Imaging (1 CE)**  
                    Csanad Varallyay, MD
- 11:30-12:30    **Lunch (provided on site) Poster Presentation Voting**
- 12:30-13:25    **Building a Strong MR Work Culture (1 CE)**  
                    Nina Kowalczyk, PhD, RT (R)(CT)(QM),FASRT,FAEIRS
- 13:25-14:20    **Optimizing Cardiac MR Imaging: An Update and Practical tips (1 CE)**  
                    Orlando Simonetti
- 14:25-15:15    **How do MRI Contrast Agents Work? (1 CE)**  
                    Kristan Harrington
- 15:15-15:30    **Poster Presentation and Awards**
- 15:30-16:45    **Critical Issues for MR Technologist (1.5 CE)**  
                    Ashok Saraswat, M.S., B.Ed., R.T. (R)(MR)

16:45- ??? Meet the Vendors and Join us immediately after for a Themed Social Gathering MargaRItiville



**Come as your favorite Parrothead!!**

**DJ - Dancing - Hors d'oeuvres**

Note: Due to circumstances beyond our control, schedule (including awarded CE credit) is subject to change. If any scheduled lecture is cancelled, only a prorated credit will be awarded for future seminars.

## **Schedule: Saturday March 10, 2018**

**8:00 to 16:45** (8 ASRT credit hours)

- 06:30-07:30**      **Registration and Continental Breakfast**
- 07:45-08:00**      **Welcome & Introductions**  
Jeannie Danker, MPH,R.T.(R), Joseph Yu, M.D.
- 08:00-09:15**      **Clinical MR: Anatomy and Pathology Review(1.5 CE)**  
Carolyn Roth
- 09:25-10:15**      **Now Showing! MRI in 3D (1 CE)**  
Mark Smith,DABMP,M.S.R.T.(R)(MR) MRSO (MRSC™)
- 10:25-11:45**      **MRI Safety Update 2018, Including Ferromagnetic Detection Systems (1.5 CE)**  
Frank Shellock, Ph.D., FACR, FISMRM, FACC, FACSM
- 11:45-13:00**      **Lunch (provided on site)**
- 13:00-14:15**      **Artificial Intelligence in MRI (1.5 CE)**  
Charles Stanley, BSRT(R)(MR)(CT),FSMRT, MRSO(MRSC™)
- 14:25-15:20**      **Practical Guide to MR Safety (1.5 CE)**  
William Faulkner, B.S.,R. T.(R)(MR)(CT),FSMRT,MRSO (MRSC™)
- 15:30-16:45**      **New ACR and TJC Requirements for MR Imaging (1 CE)**  
Kristan Harrington, MBA, R.T.(R)(MR)(CT),FSMRT, MRSO(MRSC™)

**Announcements and Closing Remarks**

**Have A Great Evening, Thank you for Coming!!**

**See You Next Year!**

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# MR Registry Preparation Course

Friday & Saturday, 8:00 to 16:30 (16 ASRT CE for both days)

- 06:30-08:00**     **Registration & Continental Breakfast**
- 08:00-08:15**     **Welcome & Introductions**  
                          *Entire Day with Matt Rederer*
- 08:15-09:55**     **Principles of Magnetism and MR Hardware (2 CE)**
- 09:55-10:15**     **Break - Please visit vendors**
- 10:15-12:05**     **Basic MRI Physics on producing an MR Signal (2 CE)**
- 12:30-13:00**     **Lunch (Provided In Dining Area)**
- 13:00-14:40**     **MR Image Contrast Control and Pulse Sequence Review (2 CE)**
- 14:50-16:30**     **Principles of MR Data Acquisition (2 CE)**  
*Attention Parrotheads Social Gathering to follow!*  
*DJ—Dancing—Hors d' oeuvres*

## Saturday March 11, 2017

**8:00 to 16:30**

- 06:30-08:00**     **Registration & Continental Breakfast**
- 08:00-08:15**     **Welcome & Introductions**  
                          *Entire Day with Matt Rederer*
- 08:15-09:55**     **Imaging Production Techniques (2 CE)**
- 09:55-10:15**     **Break - Please Visit Vendor Booths**
- 10:15-12:05**     **MR Image Quality and Artifacts in MRI (2 CE)**
- 12:30-13:00**     **Lunch (Provided In Dining Area)**
- 13:00-14:40**     **Neuro: Spectroscopy and Functional Imaging Procedures (2 CE)**
- 14:50-16:30**     **Patient Care and MRI Safety (2 CE)**  
**Announcements and Closing Remarks**

**Thank you for coming and See You Next Year!**

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# **MR Safety Officer Course**

## **Interactive 2 Day Session, 8:00 to 16:30, (16 CE)**

### **Friday March 9, 2018**

- 06:30-08:00**    **Registration & Continental Breakfast**
- 08:00-08:15**    **Welcome & Introductions**
- Entire Day with William Faulkner and Kristan Harrington*
- 08:15-09:55**    **ACR and Joint Commission Guidelines (2 CE)**
- 09:55-10:10**    **Break - Please visit vendors**
- 10:10-12:00**    **Screening for Patients and Non-Patients (2 CE)**
- 12:00-13:00**    **Lunch (Provided In Dining Area)**
- 13:00-14:40**    **Static, Gradient, and RF Fields. Biologic Effects (2 CE)**
- 14:50-16:30**    **Patients with Implants and Devices,  
MR Conditional Labeling (2 CE)**

**Attention all Parrotheads Social Gathering to follow!**

### **Saturday March 10, 2018**

- 06:30-08:00**    **Registration & Continental Breakfast**
- 08:00-08:15**    **Welcome & Introductions**
- Entire Day with William Faulkner and Kristan Harrington*
- 08:15-09:55**    **Managing SAR and patient burns (2 CE)**
- 09:55-10:10**    **Break - Please Visit Vendor Booths**
- 10:10-12:00**    **Patient Monitoring, Medical Emergencies Including  
Quench (2 CE)**
- 12:00-13:00**    **Lunch (Provided In Dining Area)**
- 13:00-14:40**    **Contrast Media Safety including Retained Gadolinium in  
Patient (2 CE)**
- 14:50-16:30**    **Pediatric Patients and MR Safety (2 CE)**

**Announcements and Closing Remarks**

**Thank you for coming and See You Next Year!**

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# Nationwide Conference Center

100 Green Meadows Dr S, Lewis Center,  
OH 43035

For Hotel Reservations:

<http://www.nwhotelandconferencecenter.com/>  
Group ID 138660

## Educational Objectives

Upon completion, attendees should be able to:

- ◆ Clues to successfully passing the MR Registry
- ◆ Identify and review MSK anatomy and pathology
- ◆ Understand Standardization, Certification and Credentialing in MR, Joint Commission
- ◆ Describe recent advances in MRI Protocols
- ◆ Review safety protocols to protect patients from burns
- ◆ Learn About Artificial Intelligence and our role
- ◆ Identify Non Traditional Imaging and processes
- ◆ Understand MR safety, including MR safety for 3T and ferromagnetic detection systems
- ◆ Be Motivated in the workplace
- ◆ Understand Productivity Limits with MR Safety
- ◆ Establish new contacts with MR experts.
- ◆ Review MRI Contrast Agents and up to date reports
- ◆ Describe advances in pathology identification

**Overview:** Here we go again! We are excited for another two day interactive conference to review and explore, essential methods for MR professionals. Our continued focus for this annual MRI seminar is to learn and apply MR concepts in a non-intimidating setup. We have added our MR Registry Prep Course for the newcomers to the MR world. We have invited internationally known experts such as *Dr. Frank Shellock, Bill Faulkner, Charles Stanley, Dr. Joseph Yu, Tobias Gilk, and Mark Smith* to share their expertise during this event. In addition to the lecture style sessions, there will always be time for questions, vendor product display booths and MR posters. Whether you are a technologist, student, physician, nurse or healthcare manager involved with MR, you will find the latest MR imaging and patient care methods to enhance your skills in an ever-changing environment.

## Guest Speakers:

**William Faulkner,**  
**B.S.,R.T.(R)(MR)(CT), FSMRT**  
**MRSO (MRSC™)**  
William Faulkner & Associates,LLC  
Chattanooga, Tennessee

**Charles Stanley, B.S.R.T.(R)(MR)(CT), CIIP,**  
**CRA, MRSO (MRSC™)**

Medical Scientific Liaison at Guerbet, Inc.  
Richmond, Virginia

**Frank Shellock, Ph.D., FACR, FISMRM,**  
**FACC, FACSM**

Adjunct Clinical Professor of Radiology  
and Medicine, Keck School of Medicine, USC

**Tobias Gilk, MRSO (MRSC), M.Arch.**  
RAD—Planning Sr. Vice President and Chair of  
American Board of Magnetic Resonance Safety

**Kristan Harrington, MBA, R.T., (R) (MR),**  
**MRSO (MRSC™)**

MTMI Instructor

**Csanad Varallyay, MD, Ph.D**

Radiology  
Oregon Health & Science University

**Nina Kowalczyk, PhD, RT (R)(CT)(QM),**  
**FASRT, FAEIRS**

Organizational Effectiveness Consultant

## Guest Speakers:

**Matt Rederer**  
**B.S.R.T.(R)(MR)(CT)MRSO MRSE (MRSC™)**  
CEO RITE Advantage LLC.

## MR Educational Program Faculty:

**Joseph Yu, M.D.**  
Professor , Vice Chair for Education  
Section Chief of Musculoskeletal Radiology

**Ashok Saraswat M.S.,B.Ed,R.T.(R)(MR)**  
MRI Educational Program Director

**Jeannie Danker, MPH,R.T.(R)**  
Director of Imaging Services

**Carlye Bell, A.S.,R.T.(R)(MR)(CT)**  
**Daphne Davis, B.S.,R.T.(R)(MR)(CT)**  
**Ronda Kelly, B.S.,R.T. (R)(MR)**  
**Sandra Longworth, B.S.,R.T.(R)(MR)(CT)**  
**Larry Martin, MACPR,R.T.(R)(MR)(CT)**

**MRSO (MRSC™)**

**Debbie Murry**

**Tonette Orsini, A.S.R.T.,(R)(MR)(CT)**  
**MRSO (MRSC™)**

**Mark Smith, DABMP,M.S.R.T.(R)(MR)**  
**MRSO (MRSC™)**

**Andrea Burt, A.S.R.T.(R)(MR)(CT)**  
**MRSO (MRSC™)**

## ► *Advance your career by becoming a Certified MRI Technologist...*

**Magnetic Resonance Imaging Educational Program** at The Ohio State University Wexner Medical Center provides a year long in-depth education leading to career and monetary advancement for imaging technologists. Additionally, we offer a 6 month accelerated program for individuals with prior MR experience. Limited work-study opportunities may be available. To learn more about this "MRI Fellowship" Educational Program for Imaging Technologists, please visit following program website [www.radiology.osu.edu/10990.cfm](http://www.radiology.osu.edu/10990.cfm) and/or contact:

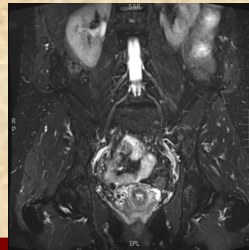
**Larry Martin, MACPR, R.T.(R) (CT)(MR)**

Interim MRI Educational Program Director

271 Doan Hall, Radiology

450 West 10<sup>th</sup> Avenue Columbus, Ohio 43210

Phone: 614.293.3367 E-mail: [larry.martin@osumc.edu](mailto:larry.martin@osumc.edu)



OSUWMC MRI Seminar Registration Form  
The 14th Annual Magnetic Resonance Imaging Seminar  
To be held at Nationwide Conference Center in Lewis Center OH.

**“Spins To The Left In MRI-ville”**

March 9-10, 2018

Important: One registration form per participant. Make additional copies of this form as needed. Make check or money order payable to The OSUWMC MRI Educational Program. Payment must be postmarked by the March 1, 2018. Please mail your registration form with the payment now to ensure your space on a first come basis! We may share participant list with approved vendors. In an effort to keep the cost at minimum, we are not using electronic registration at this time. Cancellation Policy: To cancel registration, your cancellation request in writing must reach the MRI Educational Program office by Thursday March 1, 2018. No refunds can be granted for cancellation after this date.

FIRST NAME \_\_\_\_\_ LAST NAME \_\_\_\_\_

WORK TITLE \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EMAIL \_\_\_\_\_ DAYTIME PHONE \_\_\_\_\_

- REGISTRATION FEES: Early Bird
- |   |       |       |
|---|-------|-------|
| <input type="checkbox"/> Option A: Seminar , not including MRSO or MR Prep(2 days)          | \$170 | \$185 |
| <input type="checkbox"/> Option B: Single day Seminar (please check one below) no discounts | \$150 |       |
| <input type="checkbox"/> Friday (not including MRSO or MR Prep)                             |       |       |
| <input type="checkbox"/> Saturday (not including MRSO or MR Prep)                           |       |       |

Space is limited, please sign up early.

\*\*An electronic copy of the available topics (not all speakers distribute lecture information) will be provided. There will NOT be paper copies available.

Mail this registration form with payment to the following address:  
OSUWMC MRI Educational Program  
Suite 1200, Attention: Tonette Orsini  
6515 Pullman Drive, Lewis Center, Ohio 43035

There will be an early bird discount if you register for the entire seminar or the MR Registry Course by February 1st, 2018.

**\*\* If using credit card you must email  
[OSUMRISeminar@osumc.edu](mailto:OSUMRISeminar@osumc.edu) to start process.**

Poster Presentation Title \_\_\_\_\_

Judged by attendees(50%) and Faculty(50%)

For Poster Information Email: [andrea.burt@osumc.edu](mailto:andrea.burt@osumc.edu)

- First Place : \$150.00 and free admission to seminar next year  
Second Place: \$100.00 and free admission to seminar next year  
Third Place: \$75.00 and 50% off admission to seminar next year



OSUWMC MRI Seminar Registration Form  
The Annual Magnetic Resonance Imaging Seminar  
To be held at Nationwide Conference Center in Lewis Center OH.

**“Spins To The Left In MRI-ville”**

**MR Registry Preparation and MRSO registration only**

**March 9-10, 2018**

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MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EMAIL \_\_\_\_\_ DAYTIME PHONE \_\_\_\_\_

REGISTRATION FEES:

Early Bird

**MR Registry Course Only (2 days)**      \$170      \$ 185

Space is limited, please sign up early.

**MRSO Course Only (2 days) no discounts**      \$ 475

\* Exam Fee separate, sign up at [www.abmrs.org](http://www.abmrs.org)

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Suite 1200, Attention: Tonette Orsini  
6515 Pullman Drive, Lewis Center, Ohio 43035

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Poster Presentation Title \_\_\_\_\_

Judged by attendees(50%) and Faculty(50%)

For Poster Information Email: [ashok.saraswat@osumc.edu](mailto:ashok.saraswat@osumc.edu)

First Place : \$150.00 and free admission to Seminar next year  
Second Place: \$100.00 and 50% off admission to seminar next year  
Third Place: \$75.00 and 50% off admission to seminar next year

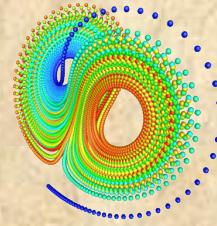


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MRI Educational Program  
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Lewis Center, Ohio 43035  
09207-H10000-61801

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March 9 & 10, 2018

At Nationwide Conference  
Center



**SPACE IS LIMITED**  
**REGISTER TODAY**