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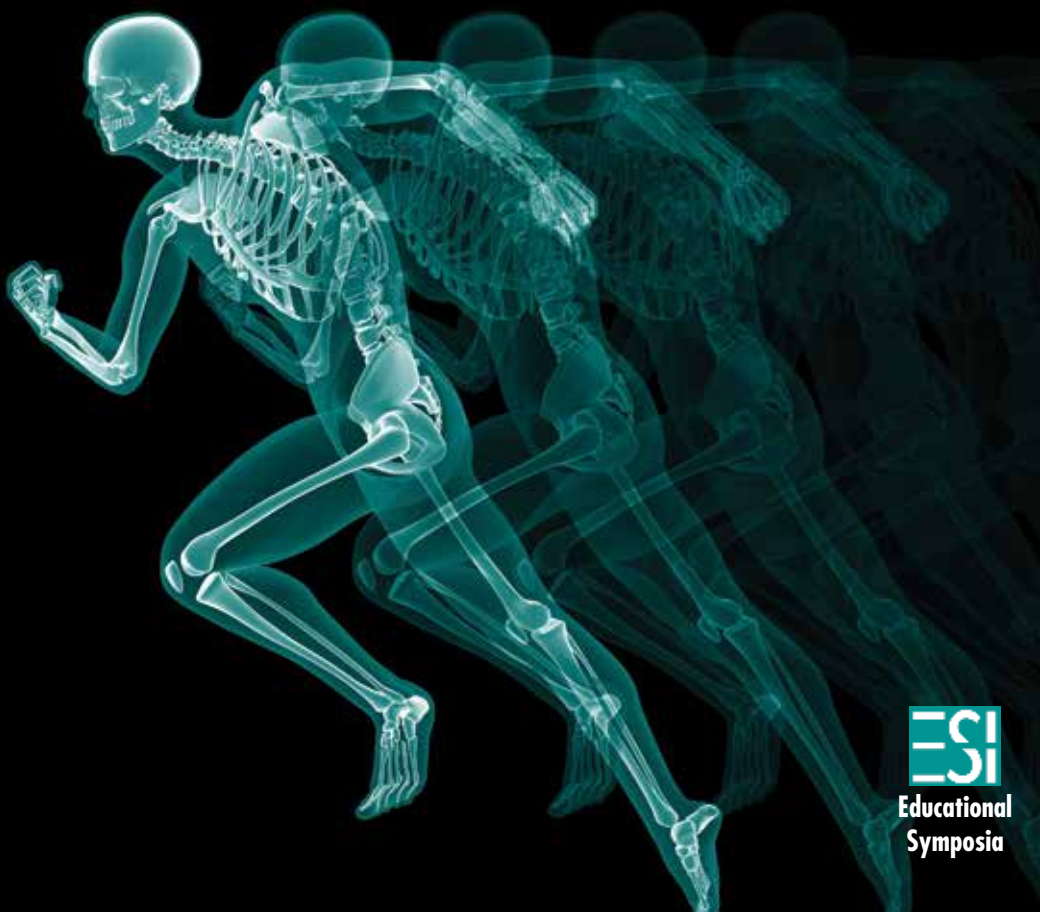
*10<sup>th</sup> Annual*

# **Musculoskeletal Imaging in Clinical Practice 2015**

**18.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>**

**November 5 - 7, 2015**

**The Venetian® and The Palazzo®  
Las Vegas, Nevada**



**ESI**  
Educational  
Symposia

## About The Meeting

The focus of this symposium is a review of clinical applications concerning the diagnosis, treatment and management of the musculoskeletal disorders. Included are sections dedicated to imaging techniques and image interpretation in musculoskeletal injuries and pathology. These interactive sessions will discuss modern imaging and surgical correlation while emphasizing the need for intra-disciplinary teamwork when deciding the most effective patient management. Information gained during this symposium is geared to improve diagnostic capabilities and expand clinical applications. The faculty has been selected for their teaching ability, as well as for their expertise.

## Target Audience

This CME activity is designed to educate diagnostic imaging physicians who supervise and interpret musculoskeletal MRI and ultrasound studies. In addition, referring physicians who order musculoskeletal MRI and ultrasound studies should gain an appreciation of the strengths and limitations of these types of procedures. Technologists should also find this meeting beneficial.

## Scientific Sponsor

Educational Symposia

## Accreditation

**Physicians:** Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 18.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Technologists:** This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit [www.edusymp.com](http://www.edusymp.com) or call 1-800-338-5901 regarding the availability of Category A CE credit.

## Educational Objectives

Attendees should, at the completion of this course, be able to:

- Incorporate state of the art imaging protocols to accurately assess musculoskeletal pathology and injury.
- Assess patients with joint pathology in a non-invasive manner utilizing ultrasound and MRI.
- Recognize the strengths and limitations of ultrasound and MRI for the management of sports related injuries.
- Describe the MRI appearance of musculoskeletal injury, arthritis and neoplasia, and differentiate this pathology from other causes of abnormal signal.
- Demonstrate an increased knowledge of the impact MRI has on patient management.
- Discuss the utility of musculoskeletal ultrasound for diagnosis and direction of treatment of musculoskeletal pathology.

*No special educational preparation is required for this CME activity.*



# Faculty

## PROGRAM DIRECTOR:

**William B. Morrison, M.D.**

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**John J. Abraham, M.D.**

*Associate Professor of Orthopedic Surgery and  
Radiation Oncology  
Director  
Jefferson Musculoskeletal Oncology Center  
Kimmel Cancer Center  
Thomas Jefferson University Hospital  
Philadelphia, PA*

**John V. Crues, III, M.D.**

*Medical and MRI Fellowship Director  
Radnet, Inc.  
Professor of Radiology  
UCSD School of Medicine  
Los Angeles, CA*

**John F. Feller, M.D.**

*Medical Director  
Desert Medical Imaging  
Indian Wells, CA  
Assistant Clinical Professor of Radiology  
Loma Linda University School of Medicine  
Loma Linda, CA*

**William B. Morrison, M.D.**

*Consultant for Philadelphia Eagles,  
Phillies, Flyers  
Professor of Radiology  
Director, Musculoskeletal Radiology Division  
Department of Radiology  
Thomas Jefferson University  
Philadelphia, PA*

**Ewa Olech, M.D.**

*Associate Professor  
Chief of Rheumatology Division  
University of Nevada School of Medicine  
Las Vegas, NV*

**Donald L. Resnick, M.D.**

*Professor of Radiology  
University of California, San Diego  
San Diego, CA*

**Mirha S. Taljanovic, M.D., Ph.D., FACR**

*Professor, Radiology and Orthopaedic Surgery  
Director of Musculoskeletal Imaging Research and  
Development  
Department of Medical Imaging  
The University of Arizona Health Network  
Tucson, AZ*

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please pass the extra along to a colleague.

# Program

## THURSDAY, NOVEMBER 5, 2015

<b>7:00 – 7:50 AM</b>	<b>Registration and Continental Breakfast for Registrants</b>
7:50 – 8:00	Welcome <i>William B. Morrison, M.D.</i>
8:00 – 8:30	Basics of Musculoskeletal Ultrasound <i>Mihra S. Taljanovic, M.D., Ph.D., FACP</i>
8:30 – 9:00	Optimization of CT and MRI <i>William B. Morrison, M.D.</i>
9:00 – 9:30	Advanced Ultrasound Applications <i>Mihra S. Taljanovic, M.D., Ph.D., FACP</i>
9:30 – 10:00	MRI: Advanced Techniques <i>William B. Morrison, M.D.</i>
10:00 – 10:15	Question and Answer Session <i>Faculty</i>

<b>10:15 – 10:30</b>	<b>Coffee Break for Registrants</b>
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10:30 – 11:00	Ultrasound Demo 1: Shoulder <i>Mihra S. Taljanovic, M.D., Ph.D., FACP</i>
11:00 – 11:30	Impingent and Rotator Cuff Disease <i>William B. Morrison, M.D.</i>
11:30 – 12:00 PM	MRI of Sports Injuries of the Shoulder <i>John F. Feller, M.D.</i>
12:00 – 12:15	How I Take A Case: Shoulder <i>Faculty</i>

<b>12:15 – 1:45</b>	<b>Lunch Break on Your Own</b>
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1:45 – 2:15	Ultrasound Demo 2: Elbow and Hand <i>Mihra S. Taljanovic, M.D., Ph.D., FACP</i>
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## THURSDAY, NOVEMBER 5, 2015 (CONTINUED)

2:15 – 2:45	Introduction to MRI of the Elbow <i>John F. Feller, M.D.</i>
2:45 – 3:00	Question and Answer Session <i>Faculty</i>
<b>3:00 – 3:15</b>	<b>Coffee Break for Registrants</b>
3:15 – 4:00	Ultrasound Demo 3: Ankle and Foot <i>Mihra S. Taljanovic, M.D., Ph.D., FACP</i>
4:00 – 4:45	MRI of the Hip: Bone, Tendon, Muscle Injuries <i>John F. Feller, M.D.</i>
4:45 – 5:00	MRI of the Forefoot <i>William B. Morrison, M.D.</i>
5:00 – 5:30	How I Take A Case: Ankle <i>Faculty</i>

<b>5:30</b>	<b>End of Session</b>
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## FRIDAY, NOVEMBER 6, 2015

<b>7:00 – 8:00 AM</b>	<b>Continental Breakfast for Registrants</b>
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8:00 – 8:45	Ankle Tendon and Ligament Injuries <i>John V. Crues III, M.D.</i>
8:45 – 9:15	Hip FAI, Dysplasia and the Labrum <i>William B. Morrison, M.D.</i>
9:15 – 9:45	Hip: Trauma <i>John V. Crues III, M.D.</i>
9:45 – 10:00	Question and Answer Session <i>Faculty</i>

<b>10:00 – 10:15</b>	<b>Coffee Break for Registrants</b>
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## FRIDAY, NOVEMBER 6, 2015 (CONTINUED)

10:15 – 10:45	Imaging of Malignant Bone Tumors <i>John J. Abraham, M.D.</i>
10:45 – 11:15	MSK Procedures - Biopsies and More <i>William B. Morrison, M.D.</i>
11:15 – 11:45	Imaging of Extremity Soft Tissue Tumors <i>John J. Abraham, M.D.</i>
11:45 – 12:00 PM	Question and Answer Session <i>Faculty</i>

### 12:00 – 1:30 Lunch Break on Your Own

1:30 – 2:00	MR Arthrography Update <i>John F. Feller, M.D.</i>
2:00 – 2:30	Menisci of the Knee: Anatomy and Patterns of Failure <i>Donald L. Resnick, M.D.</i>
2:30 – 3:00	Knee: Extensor Mechanism <i>John V. Crues III, M.D.</i>
3:00 – 3:30	Ligaments of the Knee: Footprints of Injury <i>Donald L. Resnick, M.D.</i>

### 3:30 End of Session

## SATURDAY, NOVEMBER 7, 2015

### 7:30 – 8:00 AM Continental Breakfast for Registrants

8:00 – 8:40	Tumor Mimickers (Osteomyelitis, Myositis, Pseudotumors, and Synovitis) <i>John J. Abraham, M.D.</i>
8:40 – 9:15	Overview: Imaging of Inflammatory Arthropathies <i>John V. Crues III, M.D.</i>

## SATURDAY, NOVEMBER 7, 2015 (CONTINUED)

9:15 – 9:45	Bone and Cartilage Injury <i>Donald L. Resnick, M.D.</i>
9:45 – 10:00	Question and Answer Session <i>Faculty</i>

### 10:00 – 10:15 Coffee Break for Registrants

10:15 – 10:50	The Value of MRI in the Diagnosis, Prognosis and Monitoring Patients with Rheumatoid Arthritis <i>Ewa Olech, M.D.</i>
10:50 – 11:30	Introduction to Wrist Imaging <i>John V. Crues III, M.D.</i>

11:30 – 12:00 PM	Triangular Fibrocartilage of the Wrist <i>Donald L. Resnick, M.D.</i>
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### 12:00 – 1:30 Lunch Break on Your Own

1:30 – 2:00	The Role of MRI in Evaluating Patients with Spondyloarthropathies <i>Ewa Olech, M.D.</i>
2:00 – 2:15	MRI Following Joint Replacement <i>John F. Feller, M.D.</i>
2:15 – 2:45	MRI in Rheumatoid Arthritis and Ankylosing Spondylitis Clinical Trials <i>Ewa Olech, M.D.</i>
2:45 – 3:00	Question and Answer Session <i>Faculty</i>
3:00	End of Course

## Course Organization

This program is planned and organized by Educational Symposia, a leader in continuing medical education since 1975.

## Acknowledgement

Educational Symposia appreciates our corporate supporters and exhibitors. A list of industry supporters will be provided and acknowledged at the meeting.

## Cancellations

Cancellations must be received in writing. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to October 9, 2015 will be issued for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after that date.

## Registration Information

**Tuition for live conference** includes all course materials, including a comprehensive course syllabus (printed black and white syllabus or color e-syllabus), daily continental breakfasts and coffee breaks. Early registration is strongly suggested. There will be a \$100 surcharge for anyone registering after October 26, 2015. Minimum and maximum attendance levels have been established for this meeting. If your registration cannot be accepted, you will be issued a full tuition refund.

**Tuition for live webcast** includes participation for one registrant. Each registrant must sign-in on a separate computer to receive credit. Prior to the meeting we will send you further information about the log in process. We will also send you a comprehensive color electronic course syllabus via email. If you have any questions or problems logging into the meeting we will have support personnel available at (800) 338-5901. There will be a \$100 surcharge for anyone registering after October 26, 2015.

**Please note:** A minimum number of registrants is required to live webcast this course. If the minimum number is not met by October 9, 2015 the live webcast activity may be cancelled and a full refund issued.

## WEBCAST REQUIREMENTS

Visit the Help Center at [www.edusymp.com/site/help](http://www.edusymp.com/site/help) to review the computer and internet requirements for viewing live webcast meetings.

## 4 EASY WAYS TO REGISTER

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Tampa, Florida 33634-4490

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(813) 806-1001

### PHONE

(800) 338-5901 (U.S. & Canada)  
(813) 806-1000

Reduce your mail clutter or just add email announcements. Please visit the "Mailing List" section of our website at [www.edusymp.com](http://www.edusymp.com).

**Disclaimer:** Educational Symposia (ESI) as planner and presenter of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.

**Special Note for the Disabled:** Educational Symposia wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact our office at (800) 338-5901 or (813) 806-1000.



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**HOTEL:** 3355 Las Vegas Blvd, South PH: 702-414-1000  
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Meeting Registration Form:

10<sup>th</sup> Annual Musculoskeletal / Orthopedic Imaging in Clinical Practice 2015  
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