46th Annual Meeting

MUSCULOSKELETAL IMAGING COURSE
September 11 – 13, 2019

MEMBERS MEETING
September 9 - 10, 2019

► Case-Based Interactive Audience Response Sessions (ARS)
► 3 Self-Assessment Module Offerings
► Focus session on Artificial Intelligence

► Hot Topics in Musculoskeletal Imaging
► Orthopedic Pathology Course
► Musculoskeletal Ultrasound Course

JW Marriott Parq Vancouver | www.internationalskeletalsociety.com

Pre-Meeting Workshops September 7-8  Members Meeting September 9 - 10  Refresher Course September 11 - 13
The International Skeletal Society (ISS) invites you to participate in its 46th Annual Refresher Course in Musculoskeletal Radiology. The program provides an in-depth review of MSK radiology covered over the course of three days, with presentations by international experts who are the pioneers in MSK MRI, CT, ultrasound, radiography and image guided intervention.

The program is organized in parallel tracks providing participants with the option of attending lectures focusing on their choice of either sports medicine or other MSK disorders such as neoplasm, infection, arthritis and metabolic disease.

Highlights include:

- Case-Based Interactive Audience Response Sessions (ARS)
- 3 Self-Assessment Module Offerings (SAMS)
- Focus Session on Artificial Intelligence
- Hot Topics in Musculoskeletal Imaging

In addition, please note the inclusion of several optional courses which are available for your review and participation, including the one-day MSK ultrasound course which takes place on Tuesday. Space is limited for small group “hands-on” tutorials in which participants are provided the opportunity to scan models under the supervision of experienced tutors, so you will want to register for that course early if you plan to attend. Additionally, the one-day radiology-pathology correlation course is scheduled for Sunday.

The 2019 ISS Refresher Course will take place in beautiful Vancouver, Canada at the Parq Vancouver. The Parq Vancouver hosts two hotels, the JW Marriott Parq and adjoining Douglas Autograph Collection hotel. Both hotels are new facilities, sharing state-of-the art conference facilities, casino, restaurants, and a unique outdoor rooftop urban park. The venue is located along the False Creek waterfront, centrally located to downtown Vancouver's Gastown, Yaletown and entertainment districts and provides numerous options for dining, shopping and entertainment within walking distance of the meeting centre.

To those desiring a more serene experience, Vancouver has been called “Manhattan with Mountains.” Majestic mountains, sparkling ocean, rainforests and beautiful foliage make Vancouver one of the most beautiful cities in the world. You will want to make time to experience the area, as it serves as one of the spectacular highlights of the Canadian western coast!

Regardless of how you choose to spend your time, you will find plenty of exciting things to do and explore in and around Vancouver. Finally, this is the right time to visit Canada, as advantageous exchange rates on the Canadian dollar make this the best time to come join us for the 2019 ISS refresher course meeting.

We hope you will join us in Vancouver.

Larry White, MD
ISS President

Laura Bancroft, MD, FACR
Chair, Program Committee

Bruce B. Forster MSc MD FRCPC
Chair, Local Organizing Committee

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William Palmer, MD

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Laura Bancroft, MD, FACR

MEMBERS’ MEETING CHAIR
Juile Fanburg-Smith, MD

CONVENTION PLANNING CHAIR
Michael P. Recht, MD

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Robert Boutin, MD
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Luis Cerejal, MD, PhD
Francisco Chagas-Neto, MD, PhD
Connie Chang, MD
Nancy Chauvin, MD
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Charlette Chuang, MD
Anne Cotten, MD
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Julia Crim, MD
Richard Daffner, MD, FACR
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Charles Resnik, MD
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Michael Richardson, MD
Philip Robinson, FRCP
Frank Roemer, MD
Zehava Rosenberg, MD
Andrew Rosenberg, MD
Daniel Rosenthal, MD
Andrea Rosskopf, MD
Emma Rowbotham, BSc, MB, Bchir, FRCR
David Rubin, MD
Leon Rybak, MD
Kyu Nam Ryu, MD, PhD
Mark Schweitzer, MD
Leanne L. Seeger, MD, FACR
Nogah Shabshin, MD, MBA, BSc
Daniel Siegal, MD
Stacy Smith, MD
Andrew Sonin, MD, FACR
Lynne Steinbach, MD
Kathryn Stevens, MD, BS (hons)
Naveen Subhas, MD
Murali Sundarm, MD, MBBS, FRCR
Reto Sutter, MD
Mihra Taljanovic, MD, PhD
Atul Taneja, MD
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Carl Winalski, MD
Larry Zitnick, MD
Michael Zlatkin, MD
Adam Zoga, MD

MUSCULOSKELETAL IMAGING COURSE

47TH ANNUAL MEETING
OCTOBER 7-9, 2020
BARCELONA, SPAIN

Hotel Arts Barcelona | Barcelona, Spain | www.internationalskeletonsociety.com
OVERALL MEETING DESIGN
During this six-day meeting, all attendees are welcome to register for the three-day refresher course, our main educational activity. All attendees can also register for our one-day Pathology Orthopedic Course and Hands-On Ultrasound Course. The Members Meeting, our two-day scientific program, is open to ISS members. The multiple sessions are designed to meet the needs of the multi-disciplinary physicians attending the course. The course focus is targeted towards, radiologists, researchers, sonographers, allied health providers and other professionals interested in musculoskeletal imaging.

The primary goal of the refresher course is to provide a rich educational experience for attendees. The wide variety of educational sessions allows participants to remedy educational gaps, regardless of experience or scope of practice. Attendees of the course can expect to gain in depth knowledge of common clinical entities and exposure to uncommon disorders, while also learning of the latest innovations in advanced imaging and therapeutic interventions.

EDUCATIONAL OBJECTIVES
At the conclusion of the ISS 46th Annual Meeting and Musculoskeletal Imaging Course, attendees should be able to:

1. Explain the pathophysiology and imaging findings of commonly encountered musculoskeletal disorders and sports related injuries.
2. Identify appropriate utilization of radiographs, CT, MRI and ultrasound for evaluating musculoskeletal disorders.

ULTRASOUND AND GUIDED INTERVENTION:
DYNAMIC SONOGRAPHY AND RHEUMATOLOGIC SONOGRAPHY
The need for the hands-on ultrasound workshop and lectures has been established from discussions with the ISS program committee, the feedback from past ISS program committee, the feedback from past ISS program committee and past ISS hands-on workshops, and faculty participation in other similar hands-on ultrasound workshops across the world. The topic chosen for this year’s ultrasound course is Dynamic Sonography and Rheumatologic Sonography. In addition to didactic lectures, the attendees will participate in hands-on scanning tutorials, allowing the delegates to work in small groups with experts to practice their techniques of dynamic scanning and rheumatologic scanning.

ACCREDITATION
Please visit the website for CME and Sonographer accreditation updates: www.internatonalskeletalsociety.com

EDUCATIONAL NEEDS
Musculoskeletal imaging involves a broad spectrum of pathology including sports related injuries, trauma, arthritis, infection, osseous and soft tissue tumors, and metabolic bone disease. The diagnosis and management of musculoskeletal disorders increasingly relies upon advanced imaging. Further, image guided biopsy and therapeutic interventions play an important role in the management of musculoskeletal disorders. Given these demands, musculoskeletal imagers require ongoing education to maintain an extensive knowledge base, be skilled in state-of-the-art imaging techniques, and understand the latest advances in clinical management.

The refresher course is structured to fully address the educational needs of musculoskeletal imagers. Two parallel tracks in sports medicine imaging and musculoskeletal imaging provide attendees a wide selection of activities to fulfill their individual educational needs. Educational sessions within each track concentrate on specific pathology and anatomic regions. Conventional didactic lectures are supplemented by highly focused sessions to maximize the educational yield for participants. To facilitate integration of educational material into clinical practice, attendees are encouraged to participate in case interpretation sessions. Interactive events include a film interpretation panel and audience response systems in some of the didactic sessions. The sports medicine imaging track includes topics reviewing anatomy and pathology of the shoulder, elbow, wrist, hip, knee, ankle and foot. Special sessions address human articulations, synovium and cartilage, menisci and labrum, and joint function, affording an in-depth exploration of biomechanics, pathophysiology, and advanced imaging. Attendees are assured of an expansive educational experience with offerings that include tendon histopathology, advanced cartilage imaging, pediatric sports injuries, postoperative imaging, and numerous specific sports related injuries.

The musculoskeletal disease track covers a broader array of pathology, acting as both a comprehensive review and update on recent advances. Common musculoskeletal findings are discussed in an introductory “differential and diagnosis” session, with subsequent sessions on trauma, bone and soft tissue tumors, metabolic bone disease and arthritis. Additional sessions address artificial intelligence in musculoskeletal imaging, disorders of the spine and peripheral nerves, imaging of orthopedic hardware, and musculoskeletal therapeutic interventions. Advanced imaging techniques are discussed, including whole body MRI, dual energy CT and metal artifact reduction methods.
**SPORTS MEDICINE IMAGING**

### 10:30am - 12:00pm
**HOT TOPICS**
Moderators: Miriam Bredella, MD, Jonathan Baker, MD
10:30am - 10:45am
Biologic Injections for Treating Muscle Injuries: Show Me the Data
Ivan Beggs, FRCP, FRCR
10:45am - 11:00am
Imaging Patients with the Female Athletic Triad
Miriam Bredella, MD
11:00am - 11:15am
Injuries in Adolescent Baseball Pitchers
David Rubin, MD
11:15am - 11:30am
Imaging Evaluations after Chondrocyte Implantation
Ali Guermazi, MD, PhD
11:30am - 11:45am
Core Injuries Outside of the Groin
Adam Zoga, MD
11:45am - 12:00am
Can Imaging Predict Return-to-Play in Stress Fractures?
William Palmer, MD

**LUNCH**
12:00pm - 1:30pm

### 1:30pm - 3:00pm
**ELBOW: THE GEM OF JOINTS (ARS)**
Moderators: Nancy Major, MD, Sarah Koles, MSc, BScHon
1:30pm - 1:45pm
Common Flexor and Extensor Tendon Anatomy and Pathology
Nathalie Bureau, MD, MSc
1:45pm - 2:00pm
Biceps and Triceps Tendon Pathology
Anna Hirschmann, MD
2:00pm - 2:15pm
Lateral Collateral Ligament Complex Instability
Yuko Kobashi, MD, PhD
2:15pm - 2:30pm
Ulnar Collateral Ligament Complex Instability
MRI and US
Miha Taljanciv, MD, PhD
2:30pm - 2:45pm
Bone Abnormalities in the Skeletally Immature and Mature Elbow
Julia Crim, MD
2:45pm - 3:00pm
Causes of Medial Elbow Pain and Postoperative Imaging
Martin Torriani, MD, MMSc

**BREAK**
3:00pm - 3:30pm

### 3:30pm - 5:00pm
**HAND AND WRIST: TALK TO THE HAND**
Moderators: Ramon Gheno, MD
Nogah Shabshin, MD, MBA, BSc
3:30pm - 3:45pm
Wrist Extrinsic & Midcarpal Ligaments
Daniel M. Waiz, MD
3:45pm - 4:00pm
Ultrasound and MRI of Wrist Injuries
Luis Cerezoal, MD, PhD
4:00pm - 4:15pm
Stress Injuries of the Hand and Wrist
Howard Galloway, FRANZCR
4:15pm - 4:30pm
MRI of the Carpal Tunnel and Guyon Canal
Atul Taneja
4:30pm - 4:45pm
MRI of the Fingers
Richard de Villiers, M.Med
4:40pm - 4:50pm
Postoperative Imaging of the Wrist
Catherine Petchprapa MD
4:50pm - 5:00pm
Postoperative Imaging of the Fingers
Jenny Bencardino, MD

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**MUSCULOSKELETAL DISEASE**

### 10:30am - 12:00pm
**WHAT’S IN AND WHAT’S OUT IN MSK INTERVENTION**
Moderators: Alberto Bazzocchi, MD, PhD, Thomas Le Corrroller, MD, PhD
10:30am - 10:45am
Bone Biopsy: Tricks of the Trade
Connie Chang, MD
10:45am - 11:00am
Percutaneous Cementoplasty interventions: An update
Paul Mallinson, MBChB, FRCR, FRCPC
11:00am - 11:20am
US Guided Injectables: What Does What?
Emma Rowbotham, BSc, MD, BM, BChir, FRCR
11:20am - 11:40am
Pros and Cons of Stem Cells and PRP in Tendons, Ligaments and Joints
Kenneth Lee, MD
11:40am - 12:00pm
Imaging Diagnosis and Treatment of Morton Neuroma
James Linklater, MBBS

**LUNCH**
12:00pm - 1:30pm

### 1:30pm - 3:00pm
**ARTIFICIAL INTELLIGENCE**
Moderators: Soteros Gytopoulos, MD, Naveen Subhas, MD
1:30pm - 2:00pm
Larry Zitnick
2:00pm - 2:15pm
Deep Learning for image Reconstruction: How Fast Can We Go? How Little Radiation Can We Use?
Michael Recht, MD
2:15pm - 2:25pm
Workflow Optimization Using Machine Learning
Martin Torriani, MD, MMSc
2:25pm - 2:40pm
Deep Learning for Image Interpretation: Are We Replaceable?
Richard Kijowski, MD
2:40pm - 2:50pm
How Artificial Intelligence Will Influence the Next Generation of PACS
Kenneth Buckwalter, MD, MS, MBA
2:50pm - 3:00pm
Deep Learning: How Will It Be Used By Bone and Soft Tissue Pathologists?
Meera Hameed, MD

**BREAK**
3:00pm - 3:30pm

### 3:30pm - 5:00pm
**SYSTEMIC AND CHRONIC DISORDERS (SAM)**
Moderators: E. Remide Arkun, MD, Khaled Malatravy, MD
3:30pm - 3:45pm
Osteoporosis Screening: State of the Art
Catherine Petchprapa MD
3:45pm - 4:00pm
Sarcopenia: From Research to Clinical Practice
Robert Boutin, MD
4:00pm - 4:15pm
Opportunistic CT Screening: Bone, Muscle, Fat Measurements
Leon Lenchik, MD
4:15pm - 4:30pm
Musculoskeletal Complications of Diabetes: What's the Best Way to Image?
Mark Schweitzer, MD
4:30pm - 4:40pm
Drug-Induced MSK Disorders
Michael Richardson, MD
4:40pm - 4:50pm
Soft Tissue Infections: Uncommon Culprits
Johnny Monu, MB, BS, MS
4:50pm - 5:00pm
Whole Body MRI: Clinical Applications
Andrea Rosskopf, MD

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**WELCOME RECEPTION**
6:30PM - 8:30PM
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderator/Presenter</th>
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<tbody>
<tr>
<td>8:00am - 10:00am</td>
<td><strong>CANADIAN SESSION</strong></td>
<td>Andrew Sonin, MD, FACR, Lynne Steinbach, MD</td>
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<td>Moderators: Mini N. Pathria, MD, Joshua Polster, MD, George Koulouris, MD, Hee Kyung Kim, MD</td>
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<td><strong>MUSCULOSKELETAL IMAGING</strong></td>
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<td>8:30am - 9:45am</td>
<td><strong>ARTHITIS</strong></td>
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<td>9:00am - 10:00am</td>
<td><strong>SOFT TISSUE TUMORS</strong></td>
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<td>9:30am - 1:20pm</td>
<td><strong>BONE TUMORS</strong></td>
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<td>10:30am - 12:00pm</td>
<td><strong>TRAUMA/STRESS INJURIES (ARS)</strong></td>
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<td>11:00am - 12:00pm</td>
<td><strong>SPINE</strong></td>
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<td>12:00pm - 2:00pm</td>
<td><strong>ARTHITIS</strong></td>
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| 8:00am - 10:00am | **KNEE**  
Moderators: Garry Gold, MD, Francisco Chagas-Neto, MD, PhD, Filippo Del Grande, MD, MBA, MHEM  
8:00am - 8:15am: Pre-Operative Meniscus: Tear Types - What I tell the Surgeon Thomas Magee, MD  
8:15am - 8:30am: Pre-Operative Meniscus: Pitfalls and Traps to Avoid Kyung Nam Ryu, MD, PhD  
8:30am - 8:45am: Post-Operative Meniscus: Did the Surgeon Fix it and has it Torn Again? Andreas Heuck, MD  
8:45am - 9:00am: The Pre-Operative ACL and PCL: Diagnosing the Tear Anagha Parker, MD  
9:00am - 9:15am: The ACL is Torn, What else Should I Look For? Nogah Shabshin, MD, MBA, BSc  
9:15am - 9:30am: The Post Operative ACL: What Could Possibly Go Wrong? Tobias Dietrich, MD  
9:30am - 9:45am: Patellar Maltracking and Instability - What I tell the Surgeon Eugene McNally, MD  
9:45am - 9:50am: Knee MRI: Methods to Accelerate Your Acquisition Naveen Subhas, MD  
9:50am - 10:00am: Imaging the Knee: What Role is there for Ultrasound? Carlo Martinoli, MD  |
| 10:00am - 10:30am | BREAK                                                                                                                                |
| 10:30am - 12:00pm | **HIP (ARS)**  
Moderators: Srinivasan Harish, FRCP, Donna Blankenbaker, MD  
10:30am - 10:45am: Femoroacetabular Impingement: Assessment of Predisposing Osseous Deformities Reto Sutter, MD  
10:45am - 11:00am: Labral Tears: Symptomatic or Variant? Donna Blankenbaker, MD  
11:00am - 11:15am: FAI: How I investigate and What I Tell the Surgeon Soterios Gyftopoulos, MD  
11:15am - 11:30am: Gluteal Tendons and Iliobibial Band: Anatomy and Pathology William Morrison, MD  
11:30am - 11:40am: Hip Pain: Role of US Examination Marnix Van Holsbeeck, MD  
11:40am - 11:50am: Advanced MR imaging Techniques for Cartilage Evaluation Carl Winalski, MD  
11:50am - 12:00pm: Extrarticular Causes of Hip and Groin Pain Michael Zlatkin, MD  |
| 12:00pm - 1:30pm | **LUNCH**                                                                                                                            |
| 1:30pm - 3:00pm | **SPORTS INJURY OF THE FOOT AND ANKLE (SAM)**  
Moderators: Zehava Rosenberg, MD, Brady Huang, MD  
1:30pm - 1:45pm: Adolescent Sports Injury of the Foot and Ankle Ara Kasserajan, MD, FRCP  
1:45pm - 2:00pm: Impingement Syndromes of the Ankle David Fessell, MD  
2:00pm - 2:15pm: Imaging Midfoot ligamentous injuries Zehava Rosenberg, MD  
2:15pm - 2:30pm: Imaging Turf Toe and Plantar Plate Injury Zehava Rosenberg, MD  
2:30pm - 2:50pm: Plantar Fascial Injury and Insertional Lateral Cord Plantar Fasciopathy Hilary Umans, MD  
2:45pm - 3:00pm: Nerve Lesions of the Foot and Ankle Jon Jacobson, MD  
3:00pm - 3:30pm: BREAK                                                                                                   |
8:30AM - 10:00AM  COMBINED GROUP DYNAMIC SONOGRAPHY: LECTURES AND LIVE DEMONSTRATIONS

8:30am - 8:50am  Shoulder Nathalie Bureau, MD, MSc, Mark Cresswell, MD
8:50am - 9:00am  Elbow James Griffith, MD, MRCP, FRCR, Tudor Hughes, FRCR
9:00am - 9:20am  Hand and Wrist Rob Campbell, MD, Philip O’Connor, MD
9:20am - 9:25am  Q & A
9:25am - 9:45am  Hip David Fessell, MD, Jon Jacobson, MD
9:45am - 10:05am  Foot and Ankle Emma Rowbotham, MB, Bchir, MRCS, FRCR, Andrew Grainger, BM, BS, MRCP, FRCR
10:05am - 10:25am  Rheumatologic Scanning Monique Reijnierse, MD, PhD, Andrew Grainger, BM, BS, MRCP, FRCR
10:25am - 10:30am  Q & A

10:30 AM – 11:00 AM BREAK

“RHEUM WITH A VIEW”: RHEUMATOLOGIC SONOGRAPHY

GROUP A 11:00 AM - 1:00 PM

11:00am - 11:20am  Diagnosis of Arthritis Winston Rennie, MBBS, MSc
11:20am - 11:40am  Monitoring of Disease Monique Reijnierse, MD, PhD
11:40am - 11:50am  Q & A
11:50am - 12:10pm  Crystal Arthopathies Philip O’Connor, MD
12:10pm - 12:30pm  US of Joint Replacements Theodore Miller, MD, FACR
12:30pm - 12:50pm  Sonographically-Guided Interventions Martin Torriani, MD
12:50pm - 1:00pm  Q & A

GROUP A 2:00 PM - 4:00 PM

HANDS-ON TUTORIALS
Ronald Adler, MD, PhD
Mark Cresswell, MD
Tudor Hughes, FRCR
Bob Lopez, MD
Akira Murakami, MD
Linda Probyn, MD
Winston Rennie, MBBS, MSc
Miha Taljanovic, MD, PhD
Violeta Vasilevska Nikodinovska, MD, PhD, MSc
Daniel M. Walz, MD

2:00pm - 2:20pm  Diagnosis of Arthritis Carlo Martinoli, MD
2:20pm - 2:40pm  Monitoring of Disease Monique Reijnierse, MD, PhD
2:40pm - 2:50pm  Q & A
2:50pm - 3:10pm  Crystal Arthopathies James Griffith, MD, MRCP, FRCR
3:10pm - 3:30pm  US of Joint Replacements Theodore Miller, MD, FACR
3:30pm - 3:50pm  Sonographically-Guided Interventions Ian Beggs, FRCPE,
3:50pm - 4:00pm  Q & A
**GENERAL MEETING INFORMATION**

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**REGISTRATION/INFORMATION DESK HOURS**

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Monday, September 9, 2019</td>
<td>7:00am - 5:00pm</td>
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<td>Tuesday, September 10, 2019</td>
<td>7:00am - 5:00pm</td>
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<td>Wednesday, September 11, 2019</td>
<td>7:00am - 5:00pm</td>
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<td>Thursday, September 12, 2019</td>
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<tr>
<td>Friday, September 13, 2019</td>
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**EXHIBIT HALL HOURS**

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Wednesday, September 11, 2019</td>
<td>7:00am - 4:00pm</td>
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<tr>
<td>Thursday, September 12, 2019</td>
<td>7:00am - 4:00pm</td>
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<tr>
<td>Friday, September 13, 2019</td>
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**WELCOME RECEPTION**

**Wednesday, September 11, 2019**

**TIME:** 6:30 pm - 8:30 pm PST

**ATTIRE:** Business Casual

**COST:** Two tickets included in registration fee. Additional guest tickets are $50 each.

This year’s Welcome Reception will be held in the JW Marriott Parq Vancouver. Visit with exhibitors and colleagues while sampling an array of delicious foods.

*Times and locations are subject to change*

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**HOTEL, TRAVEL & TRANSPORTATION & REGISTRATION INFORMATION**

**HOTEL INFORMATION**

**JW MARRIOTT PARQ VANCOUVER AND THE DOUGLAS AUTOGRAPH HOTEL**

39 Smithe Street, Vancouver V6B 0R3 Canada

Main: +1 604-676-0888


**RESERVATIONS:** 800-228-9290 or https://book.passkey.com/go/ISSAnnualMeeting2019

Attendees are responsible for making their reservations by calling the hotel.

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**ROOM RATE**

Room for individual use at a rate of 379 CAD + taxes.

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**HOTEL DEADLINE**

The cut-off date for online bookings is August 12, 2019. ISS encourages you to make your reservation early, as the hotel and discount block may sell out before this date. After this date, guests can continue to reserve rooms via phone or email. Reservations will be accepted based on availability.

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**HOTEL DEPOSIT AND CANCELLATION POLICY**

The reservations can be modified and cancelled on-line for the conference period as long as rooms from the contracted block are available. After the cut-off date of 2nd September 2019, all reservations will be guaranteed and accompanied by a 75% deposit, or guaranteed with a major credit card by the guest which will be charged at the time of the reservation.

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**PARKING**

Electric car charging stations: 33, Complimentary

On-site parking, fee: 40 CAD daily

Valet parking, fee: 45 CAD daily

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**SPECIAL NEEDS**

For accommodations on the basis of disability or special dietary needs, please call +1 847-752-5355.

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**CONTACT THE ISS EXECUTIVE OFFICE BY:**

Phone: +1 847-752-5355 | Fax: +1 847-960-3861

Email: info@international skeletalsociety.com

Website: www.internationalskeletalsociety.com

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**DIRECTIONS FROM THE AIRPORT**

**Vancouver International Airport (YVR)**

Hotel direction: 8.5 miles NE

This hotel does not provide shuttle service.

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**DRIVING DIRECTIONS**

Leaving the airport, follow signs to City Centre via Granville St. Follow Granville St. until you have crossed the Granville St. Bridge. Once over the bridge, take the exit for BC 99N to turn onto Drake St., the first stoplight after the Granville St. Bridge. Follow Drake St. for five blocks until you reach Pacific Blvd. Turn left onto Pacific Blvd then proceed for 1 km. As you near BC Place Stadium turn left onto Smithe Street and you will have arrived to JW Marriott Parq Vancouver.

Alternatively, if coming over the Cambie St. bridge take a left onto Expo Blvd., and then take a left onto Nelson St. and left onto Pacific Blvd to Smithe St.

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**REGISTRATION INFORMATION**

**Registration Fee Includes:**

- Entrance to Refresher Course
- One ticket to the Welcome Reception
- Program Materials

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**ULTRASOUND COURSE**

Registration for the Ultrasound Course on Tuesday, September 10, 2019, is limited and will be allocated on a first-come, first-served basis to the first 100 participants upon payment of the registration fee. Please be sure to register on the meeting registration form if you wish to attend.

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**EARLY REGISTRATION DEADLINE**

Meeting registration forms must be received by the ISS Executive Office by 7/20/2019 to receive the discounted early registration rate. All forms received after this deadline will be assessed the regular registration fee.

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**REGISTRATION CANCELLATION AND REFUND POLICY**

Registration refund requests must be submitted in writing to the ISS Executive Office no later than 7/20/2019. All refund requests will be subject to a $100 processing fee. No refunds will be made after 7/20/2019
The deadline for discounted early registration is 7/20/2019. After 7/20/2019, regular registration fees will apply to online and onsite registration. Registration Fees are subject to change. Rates are USD. To lock in these rates, **REGISTER NOW!**

**PLEASE SELECT THE CATEGORY THAT BEST DESCRIBES YOUR STATUS:**

- [ ] Industry Employee
- [ ] Fellow
- [ ] Full Time Administrator
- [ ] Non Physician Provider
- [ ] Other Medical Professional
- [ ] Pathologist
- [ ] Radiologist
- [ ] Researcher
- [ ] Resident
- [ ] Rheumatologist
- [ ] Student/Trainee
- [ ] Other

**INDUSTRY REGISTRATION** – Industry Employee whose company is already supporting ISS OR Industry Medical Science Liaison

- [ ] $820

*(Proof of MSL Title may be required before confirmation of registration)*

industry Employee whose company is NOT already supporting ISS

- [ ] $1,250

Your submission will need to be approved prior to confirmation of your registration. Approval may be based on current Industry support. To find out if your company is currently supporting ISS, please contact Donna in the Registration Department at + 1 847-752-5355 or by email at donna@veritasmeetings.com

**HOW DID YOU LEARN ABOUT THIS CONFERENCE? (CHECK ALL THAT APPLY)**

- [ ] Word of Mouth
- [ ] ISS Website
- [ ] Email From ISS
- [ ] Email From Other Societies
- [ ] Skeletal Radiology Journal
- [ ] Advertisement in Professional Journal
- [ ] Facebook Advertisement
- [ ] Website Advertisement
- [ ] Registration Brochure Mailer
- [ ] Flyer/Postcard at another meeting
- [ ] Promotional Slide at another meeting

**PLEASE PRINT CLEARLY**

Title: [ ] Dr. [ ] Prof. [ ] Mr. [ ] Mrs. [ ] Ms. [ ] Other: 

First Name (Forename/Given Name):

Last Name (Surname/Family Name):

Academic Degree(s):

Badge First Name:

Address: [ ] Home [ ] Office

City:

State/Province: Postal Zip Code:

Country:

Phone:

Fax:

Email:

**REGISTRATION CATEGORIES**

<table>
<thead>
<tr>
<th></th>
<th><strong>EARLY DISCOUNTED</strong> (through 7/20/2019)</th>
<th><strong>REGULAR FEES</strong> (after 7/20/2019)</th>
<th><strong>TOTAL COST</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] ISS Member (in good standing for 2019)</td>
<td>[ ] Non-Member Practicing Physician</td>
<td>$820</td>
<td>$920</td>
</tr>
<tr>
<td></td>
<td>[ ] Non-Physician Provider (Nurse, PA, Technologist)</td>
<td>$620</td>
<td>$720</td>
</tr>
<tr>
<td></td>
<td>[ ] Resident</td>
<td>$620</td>
<td>$720</td>
</tr>
<tr>
<td></td>
<td>[ ] Fellow</td>
<td>$620</td>
<td>$720</td>
</tr>
<tr>
<td></td>
<td>[ ] Student</td>
<td>$620</td>
<td>$720</td>
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</table>

**ULTRASOUND COURSE – September 10, 2019**

(Pre-registration is required for this course. There is a 100 person maximum, so we encourage you to register early.)

- [ ] ISS Member/Non-Member Practicing Physician/Non-Physician Provider | $250 | $325 | $______ |
- [ ] Resident/Fellow/Student | $100 | $175 | $______ |
PATHOLOGY/ORTHOPEDIC

<table>
<thead>
<tr>
<th></th>
<th>EARLY DISCOUNTED</th>
<th>REGULAR FEES</th>
<th>TOTAL COST</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>(through 7/20/2019)</td>
<td>(after 7/20/2019)</td>
<td></td>
</tr>
<tr>
<td>ISS Members/Non-Member</td>
<td>$200</td>
<td>$275</td>
<td>=$________</td>
</tr>
<tr>
<td>Practicing Physician/</td>
<td></td>
<td></td>
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<tr>
<td>Non-Physician Provider</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resident/Fellow/Student</td>
<td>$100</td>
<td>$175</td>
<td>=$________</td>
</tr>
<tr>
<td>(Optional opportunity to observe the ISS Members Meeting if registering for the Pathology/Orthopedic Course)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SELF-ASSESSMENT MODULES REGISTRATION</td>
<td>$25</td>
<td></td>
<td>=$________</td>
</tr>
</tbody>
</table>

(PLEASE NOTE: Self-Assessment Module fees are NOT included with registration)

ADDITIONAL WELCOME RECEPTION TICKETS FOR NON-REGISTERED GUESTS:
*One ticket to the Welcome Reception are included with your registration. Please only purchase additional tickets if you are planning to bring additional guests to this event.

WELCOME RECEPTION - Wednesday September 11, 2019

# of Guest tickets = ______ at $50 per ticket =$ ________

TOTAL REGISTRATION FEE =$ ________

TOTAL SPECIAL EVENTS TICKETS =$ ________

GRAND TOTAL =$ ________

**PAYMENT INFORMATION**

The ISS requires full payment for registration fees and optional activities by check or credit card.

- Check* (payable to the ISS)
- Visa
- MasterCard
- American Express
- Discover

*All fees must be paid in US dollars. Checks must be drawn in US dollars, on a US bank, and made payable to the International Skeletal Society (ISS) (Tax ID #23-7366930). Be sure to print your name on the check.

Credit Card #: Expiration Date: CVV#:

Name on Credit Card

Billing Address:

Signature:

The issuer of the card identified on this item is authorized to pay the amount shown as TOTAL upon proper presentation. I promise to pay such TOTAL (together with any other charges due thereon) subject to and in accordance with the agreement governing the use of such card.

**PHONE REGISTRATIONS CANNOT BE ACCEPTED.**

Acceptable registration methods include

- By Fax: +1 847-960-3861
- By Mail: International Skeletal Society
  1061 East Main Street, Suite 300
  East Dundee, IL 60118
- Online: www.internationalskeletalsociety.com

If paying by check, please forward payment to:

International Skeletal Society
Attn: Registration
1061 East Main Street, Suite 300
East Dundee, IL 60118

ISS welcomes the opportunity to keep in touch with you by providing information regarding ISS educational events and activities. You have the right to opt out of these communications at any time in the future by sending an email to info@internationalskeletalsociety.com. The ISS privacy policy is available on the website.

*Wire Transfers
Please email info@internationalskeletalsociety.com for detailed wire transfer information

**REGISTRATION CANCELLATION & REFUND POLICY**

Registration refund requests must be submitted in writing to the ISS Executive Office by 7/20/2019. All refund requests will be subject to a $100 processing fee. No refunds will be made after 7/20/2019.

- I do not want to be contacted for future ISS educational events and activities.
ONE-DAY PATHOLOGY ORTHOPEDIC COURSE

Topics range from non-neoplastic to chondrosarcoma and osteosarcoma, presented by international interdisciplinary teams. The day course finishes with a MSK Topic Rapid Fire.

Sunday, September 8th, 2019
Time: 8:30 am - 3:30 pm