

18 November (Wednesday)

- 13:00 - 18:00 **ICRS Board Meetings**
- 13:00 - 14:30 **ICRS Executive Board Meeting (EB Members Only)**
Minas Tom (US) Kon Elizaveta (IT) Grande Daniel (US) Lattermann Christian (US) Cole Brian (US) Gobbi Alberto (IT)
 - 14:30 - 15:00 **Coffee Break**
 - 15:00 - 18:00 **ICRS Strategic Meeting - Part I (GB Members only)**
 - 19:00 - 23:00 **ICRS Board Dinner with Diamond Partners**

19 November (Thursday)

- 8:00 - 12:15 **ICRS - Industry Think Tank (upon invitation)**
- 08:00 - 09:00 **Zimmer Biomet**
 - 09:00 - 09:05 **Short Break**
 - 09:05 - 10:05 **Vericel**
 - 10:05 - 10:10 **Short Break**
 - 10:10 - 11:10 **JRF Ortho**
 - 11:10 - 11:15 **Short Break**
 - 11:15 - 12:15 **Aesculap**
 - 12:15 - 13:00 **Lunch GB Members with Diamond Partners**
- 11:00 - 18:00 **Registration / Badge Pick up**
- 13:20 - 13:50 **Session 1A: Welcome & Keynote Lecture**
Moderator: Minas Tom (US) Moderator: Zaslav Kenneth (US)
- 13:20 - 13:30 **1.1 Welcome to the 6th ICRS Summit**
Minas Tom (US) Zaslav Kenneth (US)
 - 13:30 - 13:50 **1.2 The Burden of Disease - Palliation / Repair; The Role of Big Pharma. (The OA Treatment Protocol: Are NSAIDs and Arthroplasty the Only Options? The Case for Joint Preservation)**
Bugbee William (US)
- 13:50 - 14:30 **Session 1B: Cartilage Damage & Early Arthritis**
Moderator: Minas Tom (US) Moderator: Zaslav Kenneth (US)
- 13:50 - 14:00 **1.3 Post-Traumatic OA - The Incidence of Articular Cartilage Injury and Progression**
Chubinskaya Susan (US)
 - 14:00 - 14:10 **1.4 MRI - Articular Cartilage Injuries, What You Can See**
Trattinig Siegfried (AT)
 - 14:10 - 14:20 **1.5 Physiology & Homeostasis: The Healing Response**
Fortier Lisa (US)
 - 14:20 - 14:30 **1.6 Non-Operative Treatment of Chondral Defects: What You Can Do**
Lane John (US)

- 14:30 - 15:00 **Session 2A: Orthobiologic Treatment Options**
Moderator: Gobbi Alberto (IT) Moderator: Kon Elizaveta (IT)
- 14:30 - 14:45 **2.1 Basic Science: Orthobiologics - PRP, Anti-Inflammatories, and Restorative Techniques for Muscle, Tendon and Cartilage**
Fortier Lisa (US)
- 14:45 - 15:00 **2.2 Clinical Outcome Studies of Orthobiologics - PRP, Anti-Inflammatories, and Restorative Techniques for Muscle, Tendon and Cartilage**
Filardo Giuseppe (IT)
- 15:00 - 15:45 **Session 2B: Treating the Whole Organ: Variables That Must be Addressed When Treating Articular Damage**
Moderator: Gobbi Alberto (IT) Moderator: Kon Elizaveta (IT)
- 15:00 - 15:10 **2.3 Assessment of Factors to Treat With Articular Reconstruction-“Background Factors”-the Necessary Basics**
Gersoff Wayne (US)
- 15:10 - 15:20 **2.4 Joint Evaluation; Assessment of Cartilage Defects: The Significance of Defect Size and Location. Debridement, Technique and Grading. Results of Arthroscopic Chondroplasty.**
Farr Jack (US)
- 15:20 - 15:45 **Q&A / Discussion**
- 15:45 - 16:15 **Coffee Break / Exhibition**
- 16:15 - 17:00 **Session 3A - Addressing Concomitant Pathology**
Moderator: Farr Jack (US) Moderator: Tirico Luis (BR)
- 16:15 - 16:30 **3.1 Underlying Pathology and Treatment of Malalignment: HTO, DFO**
Minas Tom (US)
- 16:30 - 16:45 **3.2 Patellofemoral Malalignment: The Role of TTO, MPFL, Trochleoplasty**
Farr Jack (US)
- 16:45 - 17:00 **3.3 Meniscal Deficiency, Its Importance in The Medial and Lateral Compartments and Transplantation**
Verdonk Renè (BE)

- 17:00 - 18:30 **Session 3B: Video Vignettes**
Moderator: Farr Jack (US) Moderator: Tirico Luis (BR)
- 17:00 - 17:10 **3.4 HTO**
Gillogly Scott (US)
- 17:10 - 17:20 **3.5 TTO**
Farr Jack (US)
- 17:20 - 17:30 **3.6 DFO**
Minas Tom (US)
- 17:30 - 17:40 **3.7 Meniscal Transplantation - Suture Technique**
Verdonk Renè (BE)
- 17:40 - 17:50 **3.8 Arthroscopic Techniques for Meniscus Preservation**
Lattermann Christian (US)
- 17:50 - 18:00 **3.9 Meniscal Transplant Bone Bridge / Plugs Technique**
Gersoff Wayne (US)
- 18:00 - 18:15 **3.10 Putting it Altogether - Treatment Indications and Strategy - Algorithms for Surgical Decision Making**
Gillogly Scott (US)
- 18:15 - 18:30 **Q&A / Discussion**
- 18:45 - 20:00 **Welcome Reception**

20 November (Friday)

- 7:45 - 10:00 **Session 4: Surgical Articular Repair**
Moderator: Erggelet Christoph (CH) Moderator: Peterson Lars (SE)
- 07:45 - 08:00 **4.1 The Gold Standard: The Durability and Long Term Outcomes of ACI**
Peterson Lars (SE)
- 08:00 - 08:15 **4.2 Augmented Bone Marrow Stimulation: Basic Science and Clinical Results and Updates; Microfracture, Microdrill, Nanofracture + Scaffold Adjuvants Copy**
Mithoefer Kai (US)
- 08:15 - 08:30 **4.3 ACI-MACI**
Minas Tom (US)
- 08:30 - 08:45 **4.4 BMAC plus Hyalofast/Collagen Scaffold in Osteochondral Lesions of the Knee: Long Term Clinical Evidence**
Gobbi Alberto (IT)
- 08:45 - 09:00 **4.5 Fresh Osteochondral Allografts**
Bugbee William (US)
- 09:00 - 09:15 **4.6 Novocart 3D Matrix with Cells**
Lattermann Christian (US)
- 09:15 - 09:30 **4.7 Cartiheal Agili C: Approaching Both Cartilage & Subchondral Bone with a Natural Off The Shelf Implant in KL 0-3.**
Zaslav Kenneth (US)
- 09:30 - 10:00 **Q & A / Discussion**
- 10:00 - 10:45 **Coffee Break / Exhibition**

- 10:45 - 11:45 **Session 5A: Video Vignettes, How I Do**
Moderator: Gomoll Andreas (US) Moderator: Shabshin Nogah (IL)
- 10:45 - 10:55 **5.1 Augmented Modern Marrow Stimulation**
Mithoefer Kai (US)
- 10:55 - 11:05 **5.2 MACI & Sandwich Techniques**
Minas Tom (US)
- 11:05 - 11:15 **5.3 BMAC**
Gobbi Alberto (IT)
- 11:15 - 11:25 **5.4 Osteochondral Allograft**
Bugbee William (US)
- 11:25 - 11:35 **5.5 Agili C**
Kon Elizaveta (IT)
- 11:35 - 11:45 **5.6 Novocart 3D**
Lattermann Christian (US)
- 11:45 - 13:00 **Session 5B: Radiologic Evaluation & Subchondral Bone**
Moderator: Gomoll Andreas (US) Moderator: Shabshin Nogah (IL)
- 11:45 - 12:00 **5.7 Imaging of Cartilage Repair- Success and Failure**
Trattinig Siegfried (AT)
- 12:00 - 12:15 **5.8 Subchondral Bone - Its Importance for Normal Function**
Grande Daniel (US)
- 12:15 - 12:30 **5.9 Subchondral Edema - What is it? Why Does it Occur? Should we Treat it?**
Shabshin Nogah (IL)
- 12:30 - 13:00 **Q & A / Discussion**
- 13:00 - 14:00 **Lunch Break**
- 14:00 - 15:30 **Session 6: Orthobiologics & New Cartilage Repair Technologies**
Moderator: Filardo Giuseppe (IT) Moderator: Sciarretta Fabio (IT)
- 14:00 - 14:15 **6.1 Subchondral Edema - Treatment Options For The Biosurgeon**
Mandelbaum Bert (US)
- 14:15 - 14:30 **6.2 Cell Free and Cell Seeded Repair with Hyalofast-Minimally Invasive Technique**
Brittberg Mats (SE)
- 14:30 - 14:45 **6.3 Cartimax: Indications, Technique and Results for Focal Chondral defects**
Jones Deryk (US)
- 14:45 - 15:00 **6.4 Cellular Matrix (Regenlab)**
Gobbi Alberto (IT)
- 15:00 - 15:30 **Q & A / Discussion**
- 15:30 - 16:15 **Coffee Break / Exhibition**

- 16:15 - 18:00 **Session 7: Complex Cases Panel Discussion**
Moderator: Minas Tom (US) Moderator: Peterson Lars (SE)
- 16:15 - 16:30 **7.1 Complications in Cartilage Repair - What to do**
Gomoll Andreas (US)
- 16:30 - 16:45 **7.2 Salvage Procedures after Failure of Cell Treatment Joint Preservation**
Gillogly Scott (US)
- 16:45 - 17:45 **7.3 Contained/Unconfirmed, Mal-Alignment, Meniscal Loss, Instability, Multiple Procedures, Patella/Condyle**
Erggelet Christoph (CH) Mithoefer Kai (US) Sciarretta Fabio (IT) Farr Jack (US) Brittberg Mats (SE)
- 17:45 - 18:00 **Q & A / Discussion**
- 19:30 - 23:00 **Summit / Faculty Dinner**

21 November (Saturday)

- 8:00 - 9:00 **Session 8: Evolving New Technologies Unloading Procedures & Focal Resurfacing**
Moderator: Verdonk Renè (BE) Moderator: Brittberg Mats (SE)
- 08:00 - 08:15 **8.1 Knee Joint Distraction: Can It Delay the Need for Metal?**
Lafeber Floris P.J.G. (NL)
- 08:15 - 08:30 **8.2 Atlas / Internal Shock Absorber**
Farr Jack (US)
- 08:30 - 08:45 **8.3 NuSurface Meniscus Implant**
Zaslav Kenneth (US)
- 08:45 - 09:00 **8.4 Meniscal Scaffold**
Verdonk Renè (BE)
- 9:00 - 10:00 **Session 9: Cartilage Repair & Orthobiologics in the Athlete**
Moderator: De Caro Francesca (IT) Moderator: Mandelbaum Bert (US)
- 09:00 - 09:15 **9.1 Orthobiologics & Athletes**
Kon Elizaveta (IT)
- 09:15 - 09:30 **9.2 Cartilage Treatment Algorithm in the Elite College Athlete**
Sherman Seth (US)
- 09:30 - 09:45 **9.3 Back to the Field - Return to Sports Rehab after Cartilage Repair**
Sherman Seth (US)
- 09:45 - 10:00 **9.4 Outcomes of Cartilage Repair in the Professional Athlete**
Erggelet Christoph (CH)
- 10:00 - 10:30 **Coffee Break / Exhibition**

- 10:30 - 11:30 **Session 10: Stem Cells- Now and the Future**
Moderator: Chubinskaya Susan (US) Moderator: Grande Daniel (US)
- 10:30 - 10:45 **10.1 Adipose Derived Cells - What is in it And How Could it Work?**
Correa Diego (US)
- 10:45 - 11:00 **10.2 Manipulated Stem Cells for Cartilage Repair and OA: Fact vs Fiction**
Grande Daniel (US)
- 11:00 - 11:15 **10.3 The So Called "Stem Cell Tourism" Time for Action**
Kon Elizaveta (IT)
- 11:15 - 11:30 **Q & A / Discussion**
- 11:30 - 12:00 **Session 11 - Panel Discussion**
Moderator: Minas Tom (US) Moderator: Bugbee William (US)
- 11:30 - 12:00 **11.1 Discussion of ICRS Position Paper on Joint Preservation for OA**
- 12:00 - **6th Summit Adjourns**
- 13:00 - 15:00 **ICRS Strategic Meeting - Part II (GB Members only)**
- 15:30 - 18:00 **Optional ICRS Golf Tournament**