Minnesota Anatomic Complex Knee International Symposium 2019
September 11-14, 2019

Minnesota, MN
Location: Radison Blu - Mall of America

Chairman: Robert F. LaPrade, MD, PhD

Chairman: Lars Engebretsen, MD, PhD

US Faculty: Dr. Arendt, Dr. Brown, Dr. Johnson, Dr. Geeslin, Dr. Faucett, Dr. Kane, Dr. Levy, Dr. Larson, Dr. Anz, Dr. Ranawat, Dr. Safran, Dr. Brady, Dr. Chahla, Dr. Bernhardson, Dr. Wulf, Jill Monson PT

International Faculty: Dr. Lind, Dr. von Bormann, Dr. Spalding, Dr. Strauss, Dr. Getgood, Dr. Seil, Dr. Negrin, Dr. Inderhaug

Wednesday

8:00 AM - 4:00 PM Specimen Preparation & Presentation Uploads Faculty

Thursday

7:00 AM - 7:45 AM Registration / Breakfast All Attendees

7:50 AM Welcome & Course Objectives Brandon Hentkowski, Brad Cannon, Dr. LaPrade

Session I What is Anatomic & Why Is It So Important? Moderator: Dr. Engebretsen

8:00 AM Medial & Posterolateral Knee: Key Anatomic Principles Dr. LaPrade

8:15 AM Patellofemoral Joint: Knee Anatomic Principles Dr. Arendt

8:25 AM Live Dissection: Collaterals & Patellofemoral Joint *15 min *Moderator: Dr. Engebretsen

8:40 AM Meniscal Roots & PCL (and a little ACL): Key Principles Dr. Brown

8:50 AM Live Dissection: Meniscal Roots & Cruciates *10 min *Moderator: Dr. Brown

Session II Biomechanically Relevant & Critical Clinical & Radiographic Exam Moderator: Dr. Spalding

9:00 AM Key Static Knee Stabilizers: Collaterals Dr. Lind

9:10 AM Key Physical Exam & Stress X-Rays for MLI Dr. Geeslin

9:20 AM Live Sx Demo: Fluoroscopy for Cruciate/Collateral/MPFL Dx & Placement *20 min *Moderator: Dr. Johnson Dr. Brown

9:40 AM Roles of Meniscal Bodies, Roots, & Cruciates on Joint Load & Stability Dr. Johnson

9:50 AM Live Sx Demo: ACL-R Broke Out the Back: What Do I Do? *15 min *Moderator: Dr. Spalding Dr. Larson

10:05 AM - 10:25 AM Coffee Break with Exhibitors & Meet the Faculty

Session III Collaterals: Anatomic Based Tx of Posterolateral Knee & Posteromedial Knee Moderator: Dr. Safran

10:30 AM Superficial Medial Collateral Ligament Tears: Anatomic Tx/Outcomes Dr. Johnson

10:40 AM Live Sx Demo: Anatomic Complete MCL Reconstruction *15 min *Moderator: Dr. Johnson Dr. Lind

10:55 AM Lateral (Fibular) Collateral Ligament Tears: Anatomic Tx/Outcomes Dr. Chahla
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>11:05 AM</td>
<td>Live Sx Demo: Anatomic LCL (FCL) Reconstruction</td>
<td>Dr. LaPrade</td>
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<tr>
<td>11:20 AM</td>
<td>Popliteus &amp; Posterior Oblique Ligament Tears: Anatomic Tx/Outcomes</td>
<td>Dr. Wulf</td>
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<td>11:30 AM</td>
<td>Live Sx Demo: Arthroscopic Popliteus Tendon Reconstruction</td>
<td>Dr. Faucett</td>
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<td>11:40 AM</td>
<td>Techniques to Avoid Tunnel Convergence in MLI Surgery</td>
<td>Dr. Strauss</td>
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<tr>
<td>11:50 AM</td>
<td>Live Sx Demo: Avoiding Tunnel Convergence</td>
<td>Dr. Seil</td>
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<tr>
<td>12:00 PM</td>
<td>Anatomic Posterolateral Corner Reconstruction</td>
<td>Dr. Schenk</td>
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<td>12:10 PM</td>
<td>Live Sx Demo: Anatomic Posterolateral Corner Reconstruction</td>
<td>Dr. LaPrade</td>
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<td>12:30 PM</td>
<td>Lunch &amp; Roundtable Case Study Discussion with Faculty</td>
<td>Drs. Johnson, LaPrade, Lind</td>
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<td>1:30 PM</td>
<td>Bio-Skills Lab Session 1</td>
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<td>1:45 PM –</td>
<td>Lab Group 1: TBD</td>
<td>All Attendees</td>
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<td>4:15 PM</td>
<td>Lab Group 2: TBD</td>
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<td>4:40 PM</td>
<td>Preserve the Meniscus at All Costs: Advanced Indications for Repair</td>
<td>Dr. Seil</td>
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<td>4:50 PM</td>
<td>Live Sx Demo: Complex Meniscal Repair: Inside-Out &amp; All-Inside Techniques</td>
<td>Dr. Spalding</td>
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<td>5:05 PM</td>
<td>Meniscal Roots &amp; Radial Root Tears: A Missed Epidemic</td>
<td>Dr. Faucett</td>
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<tr>
<td>5:15 PM</td>
<td>Live Sx Demo: Anatomic Meniscal Root Repairs</td>
<td>Dr. LaPrade</td>
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<td>5:30 PM</td>
<td>Updates on Meniscal Transplantation 2019</td>
<td>Dr. Alan Getgood</td>
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<td>5:40 PM</td>
<td>Live Sx Demo: Medial Meniscus Transplantation</td>
<td>Dr. Johnson</td>
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<td>5:55 PM</td>
<td>The Role of Slope on ACL and PCL Reconstruction Failures</td>
<td>Dr. Bernhardson</td>
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<td>6:05 PM</td>
<td>Live Sx Demo: Bi-Planar Osteotomy for ACL &amp; PCL Deficient Knee</td>
<td>Dr. Seil</td>
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<td>6:15 PM</td>
<td>Complex Case Presentation: Faculty Roundtable Discussions</td>
<td>Cases by Drs. Larson, Getgood,</td>
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<td></td>
<td>*Collaterals/Meniscus/Osteotomies</td>
<td>Safran &amp; Strauss</td>
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<td>*One faculty per table</td>
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<td>6:45 PM</td>
<td>Distinguished Faculty Lecture: Life Lessons I have learned in Sports Medicine</td>
<td>Dr. Romain Seil</td>
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<td>6:55 PM</td>
<td>Closing Announcements</td>
<td>Matt Van Horn</td>
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<td>7:00 PM</td>
<td>Meet the Faculty Social Hour – Case Study Discussions</td>
<td>Drs. Geeslin, Kane, Bernhardson,</td>
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<td>*Complex Knee Case Studies – What Would You Do?</td>
<td>Chahla</td>
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### Friday

**6:45 AM - 7:25 AM**  
**Breakfast**  
*All Attendees*

**7:25 AM**  
**Agenda Review**  
*Dr. LaPrade*

### Session V  
**Posterior Cruciate Ligament & Multi-Ligament Injuries**  
**Moderator:** Dr. Schenck

#### 7:30 AM  
**Overview of Clinically Relevant PCL Anatomy & Dx Techniques**  
*Dr. Negrin*

#### 7:40 AM  
**Why We Need to Perform Double Bundle PCL Reconstructions**  
*Dr. LaPrade*

#### 7:50 AM  
**Live Sx Demo: Anatomic Double Bundle PCL Reconstruction**  
*20 min  *Moderator: Dr. LaPrade  
*Dr. Strauss  Dr. von Bormann*

#### 8:10 AM  
**Workup & Treatment of Combined Grade 3 MCL-PCL Injuries**  
*Dr. von Bormann*

#### 8:20 AM  
**Live Sx Demo: Approach to the Posterior Knee**  
*10 min  *Moderator: Dr. von Bormann  
*Dr. Faucett  Dr. Lind*

#### 8:30 AM  
**Workup & Treatment of Combined Grade 3 ACL-PLC Injuries**  
*Dr. Engebretsen*

#### 8:40 AM  
**Live Sx Demo: What is the Ideal Tightening Order for a Multi-Ligament Injury**  
*10 min  *Moderator: Dr. Schenk  
*Dr. Johnson  Dr. Engebretsen*

#### 8:50 AM  
**Identifying the Peroneal Nerve and How to Manage Injuries**  
*Dr. Levy*

#### 9:00 AM  
**Pulling It All Together: Clinical and Imaging Eval for the Multi-Lig Knee**  
*Dr. Larson*

#### 9:10 AM - 9:30 AM  
**Break with Exhibitors & Meet with Faculty**  
*All Attendees*

### Session VI  
**Complex Patellofemoral Issues: Gold Standard Treatment**  
**Moderator:** Dr. Negrin

#### 9:30 AM  
**Diagnostic Workup of Recurrent Lateral Patellar Instability**  
*Dr. Brady-Munch*

#### 9:40 AM  
**Diagnosis & Treatment of Medial Patellar Instability**  
*Dr. Geeslin*

#### 9:50 AM  
**Live Surgical Demo: MPFL Reconstruction**  
*10 min  *Moderator: Dr. Schenk  
*Dr. Arendt  Dr. Brady-Munch*

#### 10:00 AM  
**When is a Tibial Tubercle Osteotomy Indicated?**  
*Dr. Safran*

#### 10:10 AM  
**Trochleoplasty for Trochlea Dysplasia: Key Surgical Pearls**  
*Dr. Arendt*

#### 10:20 AM  
**Live Sx Demo: Open Trochleoplasty**  
*15 min  *Moderator: Dr. Arendt  
*Dr. Strauss  Dr. Lind*

#### 10:35 AM - 10:50 AM  
**Break with Exhibitors & Meet with Faculty**  
*All Attendees*

### Session VII  
**Revision ACL & Other Complex Knee Issues**  
**Moderator:** Dr. Johnson

#### 10:50 AM  
**Workup of Failed ACL-R: Bad Original Technique & Osteolysis: One or Two Surgeries? Bone Graft or Not?**  
*Dr. Schenck*

#### 11:00 AM  
**Lateral Extra-Articular Reconstruction Techniques: When are they Indicated?**  
*Dr. Inderhaug*

#### 11:10 AM  
**Live Sx Demo: Lateral Extra-Articular Tenodesis – ALL Reconstruction**  
*15 min  *Moderator: Dr. Verdonk  
*Dr. Getgood  Dr. Geeslin*

#### 11:25 AM  
**The Grossly Unstable Knee: Should I Use An External Fixator?**  
*Dr. von Bormann*
11:35 AM  Anatomic Treatment of Proximal Tibiofibular Joint Instability: Do We Miss These Too Often?  Dr. Chahla
11:45 PM  Live Sx Demo: Anatomic Proximal Tibiofibular Reconstruction  Dr. Levy  *Moderator: Dr. Chahla
12:00 AM  Long-term Outcomes and Return to Sport for Multiple Ligament Reconstructions  Dr. Spalding
12:10 PM  Advanced Rehabilitation Issues for MLI Knee Injuries  Jill Monson PT
12:20 PM  Advanced Bracing Principles for Revision ACL, PCL & Multi-Ligament Knee  Dr. Kane
12:30 PM  Live Sx Demo: Arthroscopic Posterior Capsule Release  Dr. Anz  *Moderator: Dr. Spalding
12:40 PM  Bone Allograft vs Autograft for Tunnel and Osteotomy Grafting  Dr. Brown
12:50 PM  How to Harvest & Use Biologics for Complex Knee Injuries  Dr. Anz
1:00 PM  Distinguished Faculty Lecture: The Importance of International Collaboration  Dr. Engebretsen
1:15 PM  Closing Remarks & Program Reflections  Dr. LaPrade  Dr. Engebretsen  Matt Van Horn
1:30 PM - 2:00 PM  Lunch & Roundtable Case Study Discussion with Faculty  Drs. Schenk, Ranawat, Von Bornmann, Arendt

Bio-Skills Lab Session 2
2:15 PM – 4:45 PM  Lab Group 1: TBD  All Attendees
Lab Group 2: TBD
7:00 PM - 10:00 PM  Faculty Dinner (Invitation Only)

Saturday
7:15 AM - 8:00 AM  Breakfast  All Attendees

Bio-Skills Lab Session 3
8:00 AM – 11:15 AM  Lab Group 1: TBD  All Attendees
Lab Group 2: TBD