



## Mayo Clinic Disorders of the Wrist

**Thursday, May 16, 2019**

**Pre-Conference Laboratory Workshop – Anatomy of the Wrist**

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| 6:45 a.m.                | <b>Pre-Conference Registration and Breakfast</b><br><i>Leighton Auditorium</i><br><i>Siebens Building</i>  |
| 7:00 a.m.                | Welcome and Introduction<br>Overall set up and Anatomy, Avoiding Complications<br><i>Steven L. Moran, M.D., Richard A. Berger, M.D., Ph.D.</i><br><b>Move to Stabile, 9<sup>th</sup> Floor</b> |
| 7:10 a.m.                | Ablative Techniques for TFCC, Synovitis and Ligament Shrinkage<br><i>Jeffrey Yao, M.D.</i>   |
| 7:20 a.m.                | Ganglionectomy<br><i>Toshi Nakamura M.D. Ph.D.</i>   |
| 7:30 a.m.                | Radial Styloid Resection, Wafer<br><i>David J. Slutsky, M.D.</i>   |
| 7:40 a.m.                | TFCC Repair<br><i>Toshi Nakamura M.D. Ph.D.</i>  |
| 7:50 a.m.                | <b>Lab session 1 : Portal Placement for Wrist, Ganglionectomy, Synovectomy, Radial Styloidectomy, TFCC Repair</b>  |
| 9:50 a.m.                | <b>Break</b>   |
| 10:10 a.m.               | SL Repair<br><i>Christopher L. Mathoulin, M.D.</i>   |
| 10:25 a.m.               | Distal Radius Fixation<br><i>J. Henk Coert, M.D., Ph.D.</i>  |
| 10:40 a.m.               | Scaphoid Repair<br><i>P.C. Ho, MBBS, FRCS</i>  |
| 10:55 a.m.               | <b>Lab session 2</b><br><b>Fracture Repair. Distal radius FX and Scaphoid FX, and TFCC</b>   |
| 12:45 p.m.               | <b>Working Lunch</b><br><i>Stabile 9</i>   |
| 12:45 p.m.               | PRC, Intercarpal Fusions<br><i>Jan Ragnar Haugstvedt, M.D., Ph.D.</i>  |
| 12:55 p.m.               | Perilunate Management<br><i>Guillaume Herzberg, M.D., PhD</i>  |
| 1:15 p.m.                | CMC & STT Arthroscopy<br><i>Tyson K. Cobb, M.D.</i>  |
| 1:30 p.m.                | <b>Lab session 3: PRC, Scaphoidectomy, Intercarpal Fusion</b>  |
| 3:30 p.m.                | <b>Break</b>   |
| 3:45 p.m.                | Lab Debrief and More Tips for Distal Radius Fractures and TFCC Repair<br><i>All instructors</i>  |
| 4:15 p.m. –<br>6:00 p.m. | <b>Adjourn</b><br>Industry Demonstrations: MCP Joint Arthroplasty, DRUJ Arthroplasty, Ligament Fixation (Integra, Arthrex, NewClip, Aptis)<br><br><b>(Optional – No CME Credit)</b>            |

## Friday, May 17, 2019

### General Session – Disorders of the Wrist

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| 6:45 a.m. | <b>Registration and Breakfast</b><br><i>Leighton Auditorium<br/>Siebens Building</i> |
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| 7:25 a.m. | Welcome and Introduction<br><i>Richard A. Berger, M.D., Ph.D., Steven L. Moran, M.D., Marco Rizzo, M.D.</i> |
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### Session I: Acute Trauma - Scaphoid Moderator: Michael Hayton, M.D., FRCS

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| 7:30 a.m. | Case Presentation, Overview, Classification<br><i>Michael Hayton, M.D., FRCS,</i> |
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| 7:40 a.m. | Radiographic Assessment, MRI, CT, or Bone Scan?<br><i>Kimberly K. Amrami, M.D.</i> |
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| 7:55 a.m. | Blood Supply to the Scaphoid<br><i>Steven L. Moran, M.D.</i> |
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| 8:10 a.m. | Casting Versus Screw: When and Who: What's the Evidence<br><i>David G. Dennison, M.D.</i> |
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| 8:25 a.m. | Arthroscopic Scaphoid Reduction and Screw Fixation: Tips and tricks<br><i>David J. Slutsky, M.D.</i> |
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| 8:40 a.m. | Scaphoid Fractures in the Athlete: When to Fix and When to Move<br><i>Michael Hayton, M.D., FRCS</i> |
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| 8:55 a.m. | Volar Percutaneous Approach for Acute Fractures<br><i>Alexander Y. Shin, M.D.</i> |
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| 9:10 a.m. | Dorsal Percutaneous Approach for Acute Fractures<br><i>Steven L. Moran, M.D.</i> |
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| 9:20 a.m. | Getting Out Hardware: Pearls and Pitfalls<br><i>Alexander Y. Shin, M.D.</i> |
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| 9:30 a.m. | Panel Discussion: 4 Cases/ 4 Opinions<br>Moderator: <i>Steven L. Moran, M.D.</i><br>Panel: <i>Alexander Y. Shin, M.D., Michael Hayton, MD, FRCS, Julie E. Adams, M.D., David J. Slutsky, M.D.</i> |
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| 10:00 a.m. | Break |
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### Session II: More Than Just a Scaphoid Fracture? Moderator: Peter C. Rhee, DO

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| 10:20 a.m. | Case Presentation and Overview<br><i>Peter C. Rhee, DO</i> |
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| 10:30 a.m. | Treatment Following Perilunate Injuries Outcomes: Pearls to Getting Good Results<br><i>Guillaume Herzberg, M.D., Ph.D.</i> |
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| 10:45 a.m. | Radiocarpal Dislocations<br><i>David J. Slutsky, M.D.</i> |
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| 11:00 a.m. | Axial Carpal Dislocations<br><i>Alexander Y. Shin, M.D.</i> |
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| 11:15 a.m. | Management of Greater Arc Variants/ Lunate Fractures and Carpal Instability<br><i>Gregory I. Bain, Ph.D., FRCS</i> |
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| 11:30 a.m. | PLIND<br><i>Guillaume Herzberg, M.D., Ph.D.</i> |
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| 11:45 a.m. | Ulnar Perilunate Dislocation<br><i>Peter M. Murray, M.D.</i> |
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| 12:00 p.m. | LT Instability: Tips and Ticks<br><i>Jan Ragnar Haugstvedt, M.D, Ph.D.</i> |
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| 12:15 p.m. | Radioscapholunate Dislocation and the Spiral Tenodesis |
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|  | <i>Marc Garcia-Elias, M.D., Ph.D.</i>  |
| 12:30 p.m.   | <b>Lunch</b>   |
| <b>Session III: Distal Radius Fracture</b>                             |  |
| <b>Moderator: David G. Dennison, M.D.</b>                              |  |
| 1:30 p.m.  | Case Presentation, Overview, Classification<br><i>David G. Dennison, M.D.</i>  |
| 1:40 p.m.  | Fracture Management as a Component of Training: Who is Better?<br><i>Peter M. Murray, MD</i>                             |
| 1:55 p.m.  | Volar Plates: Limitations<br><i>Marco Rizzo, M.D.</i>  |
| 2:10 p.m.  | Fragment Specific Fixation: Show me the Benefit<br><i>Alexander Y. Shin, M.D., M.D.</i>                                  |
| 2:25 p.m.  | Arthroscopic Repair of Complex Fractures: The New Standard?<br><i>Francisco del Piñal, M.D., PhD</i>                     |
| 2:40 p.m.  | Bridge Plate or External Fixation. When and Why<br><i>Peter C. Rhee, DO</i>  |
| 2:55 p.m.  | Immediate Hemi Arthroplasty for Intra-Articular Fractures<br><i>Guillaume Herzberg, M.D., Ph.D.</i>                      |
| 3:05 p.m.  | <b>Break</b>   |
| <b>Session IIII: Ligamentous Injuries Associated with DR Fractures</b> |  |
| <b>Moderator: Max Haerl, M.D.</b>                                      |  |
| 3:30 p.m.  | Assessment and Identification of Soft Tissue Injuries Associated with DRF<br><i>Max Haerle, M.D.</i>                     |
| 3:40 p.m.  | Reduction of Coronal Plane Translation and Effect on DRUJ Stability in Distal Radius Fractures<br><i>Marc Ross, M.D.</i> |
| 3:55 p.m.  | Foveal Avulsion and Ulnar Styloid Fracture<br><i>Gregory I. Bain, Ph.D., FRCS</i>  |
| 4:10 p.m.  | Acute Arthroscopic Management of TFCC Injury<br><i>Toshi Nakamura M.D. Ph.D.</i>   |
| 4:25 p.m.  | Arthroscopic Management of Partial SLIL Injuries (Geissler 1-3)<br><i>Jeffrey Yao, M.D.</i>                              |
| <b>Session IV: Complex DR fractures: 4 Cases and 4 Answers</b>         |  |
| <b>Moderator: Toshi Nakamura, M.D., Ph.D.</b>                          |  |
| 4:40 p.m.  | <b>Panel:</b> <i>Gregory I. Bain, Ph.D., FRCS, Mark Ross, M.D., David G. Dennison, M.D., Jeffrey Yao, M.D.</i>           |
| 5:00 p.m.  | <b>Total wrist replacement</b><br><i>Marco Rizzo, M.D.</i><br><b>Stabile (Live Video)</b>                                |
| 6:00 p.m.  | <b>Adjourn</b>   |

**Saturday May 18, 2019**

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| 6:30 a.m. | <b>Breakfast</b><br><i>Leighton Auditorium</i><br><i>Siebens Building</i> |
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**Session V: Chronic Ligamentous Injury****Moderator: Marc Ross, M.D.**

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| 7:00 a.m. | Case Overview and Historical Problems<br><i>Marc Ross, M.D.</i>   |
| 7:10 a.m. | Radiology in the Diagnosis of Radial Sided Wrist Pain. The Validity of MRI and MR Arthrography<br><i>Kimberly K. Amrami, M.D.</i> |
| 7:25 a.m. | Scapholunate Injury: Kinematics, Classification and the Role of Proprioception<br><i>Marc Garcia-Elias, M.D., Ph.D.</i>           |
| 7:45 a.m. | Arthroscopic Options: When Will It Work?<br><i>Max Haerle, M.D.</i>   |
| 8:05 a.m. | The Role of Therapy in Painful Instability<br><i>Marc Garcia-Elias, M.D., Ph.D.</i>   |
| 8:20 a.m. | Volar Capsulodesis<br><i>Steven L. Moran, M.D.</i>  |
| 8:30 a.m. | Tenodesis (Wrightington Experience)<br><i>Ian A. Trail, M.D., FRCS</i>  |
| 8:45 a.m. | Tenodesis (Brisbane Experience)<br><i>Marc Ross, M.D.</i>   |
| 9:00 a.m. | Capitohamate BLB Repair<br><i>Toshi Nakamura M.D., Ph.D.</i>  |
| 9:15 a.m. | Arthroscopic Volar and Dorsal Repair<br><i>P.C. Ho, MBBS, FRCS</i>  |
| 9:30 a.m. | <b>Refreshment Break</b>  |

**Session VI: Scaphoid Non Union/ Malunion****Moderator: Peter C. Amadio M.D.**

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| 10:00 a.m. | Review of Long Term Outcomes and Problems<br><i>Peter C. Amadio, M.D.</i>   |
| 10:10 a.m. | Arthroscopic Management With and Without Grafting<br><i>P.C. Ho, MBBS, FRCS</i>   |
| 10:25 a.m. | Volar Grafting Techniques: Exposure and Plating of Scaphoid Fractures<br><i>Michael Hayton, M.D., FRCS</i>  |
| 10:40 a.m. | Dorsally and Volar Based Vascularized Bone Grafts: What are the Indications in 2019?<br><i>Allen T. Bishop, M.D.</i>  |
| 10:55 a.m. | The Medial Femoral Condyle<br><i>Alexander Y. Shin, M.D.</i>  |
| 11:10 a.m. | Hamate Articular Autograft<br><i>Bassem T. Elhassan, M.D.</i>   |
| 11:20 a.m. | Osteochondral Grafting<br><i>Jeffrey Yao, M.D.</i>  |
| 11:40 a.m. | 2 Terrible Cases and 4 Opinions<br>Moderator <i>Peter C. Amadio, M.D.</i><br>Panel: <i>Alexander Y. Shin, M.D., P.C. Ho, MBBS, FRCS, Michael Hayton, M.D., FRCS, Bassem T. Elhassan, M.D.</i> |
| 12:05p.m.  | <b>Lunch</b>  |

**Session VI: Radiocarpal Arthritis**

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| <b>Moderator: Jan Ragnar Haugstvedt, M.D., Ph.D.</b>                          |  |
| 1:05 p.m.   | Overview Radiocarpal Arthritis<br><i>Jan Ragnar Haugstvedt, M.D., Ph.D.</i>  |
| 1:15 p.m.   | PRC or 4 Corner<br><i>Steven L. Moran, M.D.</i>  |
| 1:30 p.m.   | Arthroscopic Fusions-Tips and Tricks<br><i>Francisco del Pinal, M.D.</i>   |
| 1:45 p.m.   | Arthroscopic Resection for Management SLAC and SNAC<br><i>Tyson K. Cobb, M.D.</i>  |
| 2:00 p.m.   | Radioscapholunate Fusion<br><i>Marc Garcia-Elias, M.D., Ph.D.</i>  |
| 2:15 p.m.   | Nonvascularized Articular Bone Grafting<br><i>J. Henk Coert, M.D., Ph.D.</i>   |
| 2:30 p.m.   | Salvage of Intra-Articular Injury: My Approach<br><i>Francisco del Pinal, M.D.</i>   |
| 2:45 p.m.   | Deinnervation<br><i>Max Haerle, M.D.</i>   |
| 3:00 p.m.   | Break  |
| <b>Session VII: Special Topic Focus: Wrist replacement</b>                    |  |
| <b>Moderator: Ian A. Trail, M.D., FRCS</b>                                    |  |
| 3:20 p.m.   | Overview of TWA: Successes and Failures<br><i>Ian A. Trail, M.D., FRCS</i>   |
| 3:35 p.m.   | TWA: My Experience<br><i>Guillaume Herzberg, M.D., Ph.D.</i>   |
| 3:50 p.m.   | TWA : My Experience<br><i>Marco Rizzo, M.D.</i>  |
| 4:05 p.m.   | Revision TWA<br><i>Henk Coert, M.D., Ph.D.</i>   |
| <b>Session VIII: Special Topic Focus: Kienbock Disease: Changing Concepts</b> |  |
| <b>Moderator: Gregory I. Bain, Ph.D., FRCS</b>                                |  |
| 4:20 p.m.   | Overview and Major Advancements Over Past 5 Years<br><i>Gregory I. Bain, Ph.D., FRCS</i>   |
| 4:35 p.m.   | Vascularized Grafting: Its Role in 2019<br><i>Allen T. Bishop, M.D.</i>  |
| 4:50 p.m.   | Arthroscopic Management<br><i>David J. Slutsky, M.D.</i>   |
| 5:05 p.m.   | Is There Anything Better Than Radial Shortening?<br><i>Ian A. Trail, M.D., FRCS</i>  |
| 5:20 p.m.   | 4 Cases and 4 Solutions<br>Moderator <i>Greg Gregory I. Bain, PhD, FRCS</i><br>Panel: <i>Ian A. Trail, M.D., FRCS, Allen T. Bishop, M.D., David J. Slutsky, M.D.</i> |
| 6:00 p.m.   | <b>Conference Reception</b>  |

## Sunday, May 19, 2019

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| 6:30 a.m.   | <b>Breakfast</b><br><i>Leighton Auditorium</i><br><i>Siebens Building</i>   |
| <b>Session VIII: Thumb Arthritis</b><br><b>Moderator: Julie E. Adams, M.D.</b>    |   |
| 7:00 a.m.   | Why do we Look for Better Ways to do This?<br><i>Julie E. Adams, M.D.</i>   |
| 7:15 a.m.   | Trapeziectomy and Ligament Suspension: Still the Gold Standard?<br><i>Shelley Nolan, M.D.</i>   |
| 7:30 a.m.   | Arthroscopic Hemi-Resection<br><i>Scott P. Steinmann, M.D.</i>  |
| 7:45 a.m.   | Arthroscopic Techniques for CMC and STT<br><i>Tyson K. Cobb, M.D.</i>   |
| 8:00 a.m.   | CMC Arthroplasty<br><i>Bassem T. Elhassan, M.D.</i>   |
| 8:15 a.m.   | CMC in Patients Under 50: What is the Best Option?<br><i>Brian T. Carlsen, M.D.</i>   |
| 8:30 a.m.   | Salvage of the Failed CMC Arthroplasty<br><i>Marco Rizzo, M.D.</i>  |
| 8:45 a.m.   | 2 Cases<br>Moderator: <i>Julie E. Adams, M.D.</i><br>Panel: <i>Shelley Nolan, M.D.</i> , <i>Scott P. Steinmann, M.D.</i> , <i>Tyson K. Cobb, M.D.</i> , <i>Marco Rizzo, M.D.</i> ,<br><i>Bassem T. Elhassan, M.D.</i> , <i>Brian T. Carlsen, M.D.</i> |
| 9:30 a.m.   | <b>Refreshment Break</b>  |
| <b>Session X: DRUJ Injury</b><br><b>Moderator: Richard A. Berger, M.D., Ph.D.</b> |   |
| 9:45 a.m.   | Overview of DRUJ Stability<br><i>Richard A. Berger, M.D., Ph.D.</i>   |
| 10:00 a.m.  | Arthroscopic Management of Ulnocarpal & Ulnar Styloid Impaction<br><i>Tyson K. Cobb, M.D.</i>   |
| 10:15 a.m.  | DRUJ Instability: 15 Years of Berger Protocol<br><i>Steven L. Moran, M.D.</i>   |
| 10:30 a.m.  | Replacement<br><i>Ian A. Trail, M.D., FRCS</i>  |
| 10:45 a.m.  | Pyrocarbon Hemi-Replacement<br><i>Bassem T. Elhassan, M.D.</i>  |
| 11:00 a.m.  | Total Constrained Implant: The Dutch Experience<br><i>J. Henk Coert, M.D., Ph.D.</i>  |
| 11:15 a.m.  | Revision Following Replacement<br><i>Marco Rizzo, M.D.</i>  |
| 11:30 a.m.  | 2 Terrible Cases<br>Moderator: <i>Steven L. Moran, M.D.</i><br>Panel: <i>Richard A. Berger, M.D.</i> , <i>Ian A. Trail, M.D., FRCS</i> , <i>Bassem T. Elhassan, M.D.</i> , <i>Marco Rizzo, M.D.</i> , <i>J. Henk Coert, M.D., Ph.D.</i>               |
| 12:00 p.m.  | <b>Adjourn</b>  |