Preliminary Program

AOTrauma Course —
Advanced Upper Extremity
(with Human Anatomical Specimens)

April 23 – 26, 2015
Intercontinental at Doral
Miami, Florida

MARC Miami Anatomical
Research Center
Miami, Florida
Message from AOHand North America Education Committee Chairman

On behalf of my fellow committee members I would like to welcome you to this AONA Educational Activity. We are committed to making this an exceptional educational activity.

AO was founded in 1958 and has a vision of excellence in the surgical management of trauma and disorders of the musculoskeletal system. Our mission is to foster and expand our network of health care professionals in education, research, development and clinical investigation to achieve more effective patient care worldwide. AO North America (AONA) is a regional entity established by the foundation in 1992.

The North America Hand Education Committee provides continuing medical education through national and regional courses, symposia and/or workshops targeted to surgeons and residents specializing in the management of upper extremity (hand, wrist) injuries. These educational offerings incorporate lecture presentations by faculty, surgical video instruction, small group instruction and discussions. Case-based learning is emphasized. This includes case presentations, preoperative planning assessments and techniques and hands-on laboratory sessions. These sessions enable the participants to experience practicing surgical techniques and applications utilizing simulated anatomically correct bone models and applicable instruments and implants.

We have worked hard to ensure that the content of the course provides you with a valuable education experience. We appreciate your feedback. We sincerely hope that you enjoy this learning opportunity.

Sincerely,

Paul Binhammer
AOHand North America Education Committee Chairman
CME Mission Statement

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA’s CME activities for surgeons, fellows, and residents are to:
- Increase their knowledge base and surgical skill level
- Apply and document competencies in areas of relevant advances in knowledge in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques into patient care resulting in improved competence
- Address practice performance gaps by improving management of all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)
Course Description

This course will be a hands on cadervic course emphasizing the principles of hand and upper extremity trauma. The didactic portion will concentrate on clinical case examples and more complex decision making. The dissection experience will emphasize soft-tissue handling and respect for the biology of fracture management. The advanced nature of the course will permit a unique discussion of anatomic exposures. Participants will be able to directly perform the procedures, thus they will be able to determine which types of implants and soft-tissue exposures are best suited for specific fracture patterns. Furthermore, this unique environment will enable us to have separate modules on soft-tissue procedures such as tendon repair, nerve transfers, and local/regional flap coverage.
Target Audience

Enrollment in this course is open to practicing orthopedic, plastic and general surgeons who are interested in expanding their knowledge, skills and clinical judgement in managing problems of the upper extremity and hand.

Learner Objectives

At the conclusion of this Course, the participant should be able to:
– Differentiate the fracture parameters that influence fixation and arthroplasty options for fractures
– Combine fracture reduction and fixation principles with anatomic exposure
– Incorporate the AO principles of fracture fixation to the soft-tissue restraints
– Interpret the fracture radiographs and relate these parameters to fixation type decisions

Accreditation

AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement

AO North America designates this live educational activity for a maximum of 26.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For Canadian Based Physicians Attending AONA Courses

All live conferences or live courses held outside of Canada can be reported as accredited group learning activities under Section 1 of the MOC Program if they are developed by a university, academy, college, academic institution or physician organization.

Courses sponsored by AO North America meet the criteria of the Royal College of Physicians and Surgeons for accredited group learning activities.
Faculty

The faculty of this Course is composed of international surgeons distinguished in the field of operative fracture care.

Course Co-Chairmen

Amit Gupta, MD, FRCS
Associate Clinical Professor
Department of Orthopaedic Surgery
University of Louisville
Louisville, Kentucky

Harry Hoyen, MD
Associate Professor
Department of Orthopaedic Surgery
Metrohealth Medical Center
Cleveland, Ohio

Michel Saint-Cyr, MD, FRCSC
Associate Professor
Department of Surgery
Division of Plastic Surgery
Mayo Clinic
Rochester, Minnesota
Invited Faculty

Terry Axelrod, MD, MSc, FRCSC
Professor
Division of Orthopaedic Surgery
University of Toronto
Toronto, Ontario

Kyle D. Bickel, MD, FACS
The Hand Center of San Francisco
Clinical Assistant Professor of Surgery
University of California San Francisco School of Medicine
San Francisco, California

Paul Binhammer, MSc, MD, FRCSC
Assistant Professor
Division of Plastic Surgery
University of Toronto
Head
Division of Plastic Surgery
Sunnybrook Health Sciences Centre
Toronto, Ontario

John T. Capo, MD
Professor
Department of Orthopaedics
New York University-HJD
New York, NY
Chief of Hand Surgery
Jersey City Medical Center
Jersey City, New Jersey

Kevin Chung, MD, MS
Charles B. G. de Nancrede Professor of Surgery
Section of Plastic Surgery, Department of Surgery
University of Michigan
Ann Arbor, Michigan

Peter J. Evans, MD, PhD
Director,
Upper Extremity Center &
Cleveland Combined Hand Fellowship
Cleveland Clinic
Cleveland, Ohio

Thomas J. Fischer, MD
Partner - Indiana Hand to Shoulder Center
Associate Clinical Professor
Department of Orthopedics
Indiana University School of Medicine
Department Chairman, Hand Surgery
St. Vincent Hospital & Health Services
Indianapolis, Indiana

Chaitanya Mudgal, MD, MS (Ortho), MCh
Director, Hand Fellowship Program, Massachusetts General Hospital
Assistant Professor in Orthopaedics
Harvard Medical School
Boston, Massachusetts

Faculty list subject to change.
### Preliminary Program

#### Thursday, April 23, 2015

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<thead>
<tr>
<th>Time</th>
<th>Agenda Item</th>
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<tbody>
<tr>
<td>07:30 – 07:35</td>
<td>Welcome/Course Introduction</td>
</tr>
<tr>
<td><strong>07:35 – 12:30</strong></td>
<td><strong>ARM MODULE</strong></td>
</tr>
<tr>
<td>07:35 – 08:00</td>
<td>Anatomy of the Arm</td>
</tr>
<tr>
<td>08:00 – 08:15</td>
<td>Travel to Lab</td>
</tr>
<tr>
<td>08:15 – 08:30</td>
<td>PROSECTION: Anterolateral Approach to the Humerus</td>
</tr>
<tr>
<td>08:30 – 08:45</td>
<td>PROSECTION: Lateral Approach to the Humerus</td>
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<tr>
<td>08:45 – 09:00</td>
<td>PROSECTION: Posterior Approach to the Humerus</td>
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<tr>
<td>09:00 – 10:15</td>
<td>DISSECTION: Open Reduction Internal Fixation (ORIF) of Humeral Shaft Fracture</td>
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<tr>
<td>10:15 – 10:45</td>
<td>Coffee Break</td>
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<tr>
<td>10:45 – 11:30</td>
<td>PROSECTION: Flaps of the Forearm</td>
</tr>
<tr>
<td>11:30 – 12:30</td>
<td>DISSECTION: Flaps of the Forearm</td>
</tr>
<tr>
<td>12:30 – 13:30</td>
<td>Lunch with Case Discussions</td>
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<tr>
<td><strong>13:30 – 16:00</strong></td>
<td><strong>ELBOW MODULE</strong></td>
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<tr>
<td>13:30 – 13:45</td>
<td>Anatomy of the Elbow</td>
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<tr>
<td>13:45 – 14:00</td>
<td>Travel to Lab</td>
</tr>
<tr>
<td>14:00 – 14:15</td>
<td>PROSECTION: Approaches to the Elbow</td>
</tr>
<tr>
<td>14:15 – 15:30</td>
<td>DISSECTION: ORIF Distal Humerus</td>
</tr>
<tr>
<td>15:30 – 16:00</td>
<td>Reconstruction of Elbow Instability</td>
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# Preliminary Program

## Friday, April 24, 2015

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<tr>
<th>Time</th>
<th>Agenda Item</th>
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<tbody>
<tr>
<td>08:00 – 08:30</td>
<td><strong>PROSECTION:</strong> Reconstruction of Medial Collateral Ligament (MCL)</td>
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<tr>
<td>08:30 – 09:00</td>
<td><strong>PROSECTION:</strong> Reconstruction of Lateral Ulnar Collateral Ligament (LUCL)/Annular Ligament</td>
</tr>
<tr>
<td>09:00 – 09:30</td>
<td><strong>DISSECTION:</strong> Exposures of the Elbow</td>
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<tr>
<td>09:30 – 10:00</td>
<td>Case Discussions with Coffee</td>
</tr>
<tr>
<td>10:00 – 14:30</td>
<td><strong>WRIST MODULE</strong></td>
</tr>
<tr>
<td>10:00 – 10:20</td>
<td>The Wrist Anatomy</td>
</tr>
<tr>
<td>10:20 – 10:30</td>
<td>Travel to Lab</td>
</tr>
<tr>
<td>10:30 – 12:00</td>
<td><strong>DISSECTION:</strong> Volar and Dorsal Plating of Distal Radius</td>
</tr>
<tr>
<td>12:00 – 12:15</td>
<td>Vascularity of the Distal Radius</td>
</tr>
<tr>
<td>12:15 – 12:30</td>
<td>Nonunion of the Scaphoid</td>
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<tr>
<td>12:30 – 13:30</td>
<td>Lunch with Cases</td>
</tr>
<tr>
<td>13:30 – 14:00</td>
<td><strong>PROSECTION:</strong> Vascularity of Distal Radius</td>
</tr>
<tr>
<td>14:00 – 14:30</td>
<td><strong>DISSECTION:</strong> ORIF of Scaphoid</td>
</tr>
<tr>
<td>14:30 – 16:15</td>
<td><strong>DISTAL RADIAL ULNAR JOINT (DRUJ) MODULE</strong></td>
</tr>
<tr>
<td>14:30 – 14:50</td>
<td>The DRUJ Anatomy</td>
</tr>
<tr>
<td>14:50 – 15:20</td>
<td>Stability of the DRUJ</td>
</tr>
<tr>
<td>15:20 – 15:30</td>
<td>Travel to Lab</td>
</tr>
<tr>
<td>15:30 – 15:45</td>
<td><strong>PROSECTION:</strong> Approaches to the DRUJ</td>
</tr>
<tr>
<td>15:45 – 16:00</td>
<td><strong>PROSECTION:</strong> The Adams Procedure</td>
</tr>
<tr>
<td>16:00 – 16:15</td>
<td><strong>PROSECTION:</strong> The BR Wrap</td>
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</tbody>
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### Saturday, April 25, 2015

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<th>Time</th>
<th>Agenda Item</th>
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</thead>
<tbody>
<tr>
<td><strong>08:00 – 08:45</strong></td>
<td><strong>DISSECTION:</strong> Stabilizing Procedures of DRUJ</td>
</tr>
<tr>
<td><strong>08:45 – 09:15</strong></td>
<td><strong>DISSECTION:</strong> ORIF Distal Ulna</td>
</tr>
<tr>
<td><strong>09:15 – 09:45</strong></td>
<td>Case Discussion</td>
</tr>
<tr>
<td><strong>09:45 – 14:20</strong></td>
<td><strong>HAND MODULE</strong></td>
</tr>
<tr>
<td>09:45 – 10:05</td>
<td>Anatomy of the Hand</td>
</tr>
<tr>
<td>10:05 – 10:20</td>
<td>Coffee Break/Travel to Lab</td>
</tr>
<tr>
<td>10:20 – 10:50</td>
<td><strong>PROSECTION:</strong> Nerve Transfers</td>
</tr>
<tr>
<td>10:50 – 11:50</td>
<td><strong>PROSECTION:</strong> Tendon Transfers</td>
</tr>
<tr>
<td>11:50 – 13:20</td>
<td><strong>DISSECTION:</strong> Nerve and Tendon Transfers</td>
</tr>
<tr>
<td>13:20 – 14:20</td>
<td>Lunch with Case Discussion</td>
</tr>
<tr>
<td><strong>14:20 – 16:30</strong></td>
<td><strong>THUMB AND DIGITS</strong></td>
</tr>
<tr>
<td>14:20 – 14:40</td>
<td>Anatomy of the Thumb</td>
</tr>
<tr>
<td>14:40 – 15:00</td>
<td>Approaches and Flaps of the Thumb</td>
</tr>
<tr>
<td>15:00 – 15:10</td>
<td>Travel to Lab</td>
</tr>
<tr>
<td>15:10 – 15:40</td>
<td><strong>DISSECTION:</strong> ORIF Bennett’s Fracture</td>
</tr>
<tr>
<td>15:40 – 16:30</td>
<td><strong>DISSECTION:</strong> Flaps of the Thumb</td>
</tr>
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# Preliminary Program

## Sunday, April 26, 2015

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<thead>
<tr>
<th>Time</th>
<th>Agenda Item</th>
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</thead>
<tbody>
<tr>
<td>08:00 – 08:30</td>
<td>PROSECTION: Exposures of the Digits</td>
</tr>
<tr>
<td>08:30 – 09:00</td>
<td>DISSECTION: ORIF Proximal Phalanx Fracture</td>
</tr>
<tr>
<td>09:00 – 09:30</td>
<td>DISSECTION: Hemihamate Arthroplasty</td>
</tr>
<tr>
<td>09:30 – 10:00</td>
<td>PROSECTION: Flaps of the Fingers</td>
</tr>
<tr>
<td>10:00 – 10:30</td>
<td>DISSECTION: Flaps of the Fingers</td>
</tr>
<tr>
<td>10:30 – 10:50</td>
<td>Coffee Break and Travel</td>
</tr>
<tr>
<td>10:50 – 11:20</td>
<td>Case Discussion and Wrap Up</td>
</tr>
</tbody>
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*Preliminary program subject to modification.*

AO North America gratefully acknowledges in-kind support for equipment and/or technical staff from Depuy Synthes.
Presentation Information

Faculty Disclosure
It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: “Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content,” requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

Conflict of Interest Resolution Statement
When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

Off-Label / Experimental Discussions
Some medical devices used for teaching purposes and/or discussed in AO North America’s educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

Liability Statement
AO North America faculty and staff assume no personal liability for the techniques or the use of any equipment and accessories used for teaching purposes in the laboratory. The certificate provided pertains only to the participants’ completion of the course and does not, in any way, attest to the proficiency of the participants’ clinical experience.

Disclaimer
AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used in this course is for teaching purposes only with the intent to enhance the learning experience.

Laboratory Waiver
To participate in this surgical skills course, you will be required to sign a waiver of liability prior to the course. In order to participate, AONA's policy mandates that every individual must wear appropriate protective garments provided by AONA during the lab sessions. Participants who do not sign the waiver and wear protective garments will not be allowed to participate in the laboratory sessions.

Human Anatomic Specimens
This course will involve exposure to and contact with human anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.
Tuition and Registration

Tuition: Fellow 850.00 (US funds)
Attending 1,350.00 (US funds)

Tuition Includes: Registration, laboratory materials, breakfast, lunch and break refreshments.

Registration is available online only at www.aona.org

We encourage early registration, as seating is limited.
Upon receipt of your registration and payment, you will receive an email confirmation of your registration in the Course, along with hotel and travel information to assist you in making your arrangements.

PLEASE NOTE: Registration deadline is March 24, 2015.
Full refunds will be made only if written notice of cancellation is received by the registration deadline date. Cancellations received after the deadline date will be subject to a 10% cancellation fee. No tuition refund will be issued for cancellations after the start date of the course.

ADA Statement
AO North America fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any registrant is in need of accommodation, please do not hesitate to submit a written request at least one month prior to this activity.

Until an email confirmation is received, please do not consider yourself registered in this Course.

For Information:
Contact AONA Customer Service Department
Phone: (800) 769-1391
       (610) 695-2459
Fax: (610) 695-2420
Email: customerservice@aona.org
Hotel and Travel

Hotel Accommodations
Room reservations are the responsibility of the individual registrant. A block of rooms has been reserved at a rate of $129.00 per night, plus tax, single / double occupancy, at

The Intercontinental at Doral Miami
2505 NW 87th Avenue
Doral FL 33172
Phone: 305-468-1400.

Rooms will be held until March 24, 2015 or until room block is filled, whichever comes first.

Travel
Miami International Airport (MIA)
Distance 6 miles to hotel.
Complimentary Airport Shuttle
Parking Available/307 Spaces
Complimentary Self Parking

Please visit our website: www.aona.org to register and for other course offerings.
Preliminary Program

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(with Human Anatomical Specimens)

AO North America
1700 Russell Road
Paoli, PA 19301

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Registration Deadline: March 24, 2015