### FINAL PROGRAM

#### Friday, March 9, 2012

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:45</td>
<td><strong>Welcome</strong></td>
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<tr>
<td></td>
<td>John G. Kennedy, MD, MCh, MMSc, FRCS (Orth)</td>
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<td>C. Niek van Dijk, MD, PhD</td>
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<td>Richard D. Ferkel, MD</td>
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#### SESSION 1 – NATURAL HISTORY, PREVALENCE, AND DIAGNOSIS

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:05a</td>
<td><strong>Keynote Lecture</strong></td>
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<td></td>
<td>The Impact of Articular Cartilage Injuries on Athletes Worldwide</td>
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<td>Lars Engebretsen, MD, PhD: Oslo, Norway</td>
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<td>8:30a</td>
<td><strong>Special Guest Lecture</strong></td>
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<td>Innovation in Sports Medicine</td>
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<td>Freddie H. Fu, MD, DSc (Hon), DPs (Hon): Pittsburgh, Pennsylvania, USA</td>
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<td>8:50a</td>
<td><strong>The Natural History of Osteochondral Lesions of the Ankle</strong></td>
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<td>James W. Stone, MD: Franklin, Wisconsin, USA</td>
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<td>9:00a</td>
<td><strong>Cartilage Lesions and the Development of Osteoarthritis in the Ankle</strong></td>
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<td>James D. F. Calder, MD, FRCS (Tr &amp; Orth), FFSEM: London, United Kingdom</td>
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<td>9:10a</td>
<td><strong>Diagnostic Strategies for Osteochondral Lesions</strong></td>
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<td>Victor Valderrabano, MD, PhD: Basel, Switzerland</td>
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<td>9:20a</td>
<td><strong>Classification of Osteochondral Lesions of the Ankle</strong></td>
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<td>Jonathan T. Deland, MD: New York, New York, USA</td>
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<td>9:30a</td>
<td><strong>Articular Cartilage Repair of the Ankle: Where We Stand Today</strong></td>
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<td>Stephen R. Kearns, MD, FRCSI (Tr &amp; Orth): Galway, Ireland</td>
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<td>9:40a</td>
<td><strong>Discussion</strong></td>
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<td>Moderator: C. Niek van Dijk, MD, PhD: Amsterdam, The Netherlands</td>
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<td>10:00a</td>
<td><strong>Break</strong></td>
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SESSION 2 – TREATMENT STRATEGY

10:20a  The Subchondral Bone – Basic Science and Clinical Importance  
C. Niek van Dijk, MD, PhD: Amsterdam, The Netherlands

10:30a  The Evolution of Surgical Treatment for Osteochondral Lesions  
Sandro Giannini, MD: Bologna, Italy

10:40a  Treatment Strategy and Surgical Approach  
Mark E. Easley, MD: Durham, North Carolina, USA

10:50a  Osteochondral Lesions of the Ankle: Factors Affecting Clinical Outcome  
Jin Woo Lee, MD, PhD: Seoul, South Korea

11:00a  Arthroscopic Bone Marrow Stimulation Techniques  
Keun-Bae Lee, MD, PhD: Gwangju, South Korea

11:10a  Discussion  
Moderator: Richard D. Ferkel, MD: Van Nuys, California, USA

11:30a  Mosaicplasty of the Talus  
Lazslo Hangody, MD, PhD, DSc: Budapest, Hungary

11:40a  Osteochondral Allograft Transplantation of the Talus  
William D. Bugbee, MD: La Jolla, California, USA

11:50a  Retrograde Drilling and Retrograde Cancellous Bone Plug Transplantation for Osteochondral Lesions of the Ankle  
Masato Takao, MD, DMSc: Tokyo, Japan

12:00p  Osteochondral Lesions of the Distal Tibia  
Steven M. Raikin, MD: Philadelphia, Pennsylvania, USA

12:10a  Discussion  
Moderator: John G. Kennedy, MD, MCh, MMSc, FRCS (Orth): New York, New York, USA

12:30p  Lunch

1:45p  Autologous Chondrocyte Implantation of the Talus  
Richard D. Ferkel, MD: Van Nuys, California, USA

1:55p  Matrix-Induced Autologous Chondrocyte Implantation of the Talus  
Martin R. Sullivan, MD: Sydney, Australia

2:05p  Autologous Matrix-Induced Chondrogenesis in Ankle: My Experience  
Victor Valderrabano, MD, PhD: Basel, Switzerland

continued on next page
2:15p  Autologous Matrix-Induced Chondrogenesis in Ankle: A Prospective Study  
Hajo Thermann, MD: Heidelberg, Germany

2:25p  Juvenile Articular Cartilage Grafting in the Ankle  
Lew C. Schon, MD: Baltimore, Maryland, USA

2:35p  Discussion  
Moderator: C. Niek van Dijk, MD, PhD: Amsterdam, The Netherlands

2:55p  Special Guest Lecture  
Magnetic Resonance Imaging of Articular Cartilage  
Thomas M. Link, MD: San Francisco, California, USA

3:15p  Break

SESSION 3 – BIOLOGICAL AUGMENTATION

3:40p  Special Guest Lecture  
The Basic Science of Mesenchymal Stem Cells and Growth Factors in Cartilage Repair  
Lisa A. Fortier, DVM, PhD, DACVS: Ithaca, New York, USA

4:00p  Special Guest Lecture  
Cartilage Tissue Engineering and Gene Therapy  
Daniel A. Grande, PhD: Long Island, New York, USA

4:20p  Biological Enhancement of Surgical Treatment Strategies for Osteochondral Lesions of the Ankle  
John G. Kennedy, MD, MCh, MMSc, FRCS (Orth): New York, New York, USA

4:30p  One-Step Regeneration Techniques in the Ankle  
Francesca Vannini, MD: Bologna, Italy

4:40p  Discussion  
Moderator: Richard D. Ferkel, MD: Van Nuys, California, USA

5:00p  Closing Remarks

5:00p  Meet the Faculty – Indigo Lounge

7:00p  Gala Dinner

continued on next page
Saturday, March 10, 2012

8:00a Closed Faculty Session – Consensus/Current Concepts Meeting

- Classification of OCLs
- Directing Treatment Strategy
- When to Repair or Replace?

- Ankle Sprain and Fracture
- Need for More Sophisticated Imaging?
- When to Scope for Chondral Injury?

- Biologics (PRP, BMAC, etc.)
- What to Use
- When to Use

10:00a Welcome Back Delegates

10:00a Consensus/Current Concepts Summaries

10:35a The History of Cartilage Repair
Kyle Stuart, MD: Van Nuys, California, USA

**The Young Guns Present on the Future of Cartilage Repair**

10:45a Microfracture for Osteochondral Lesions of the Talus: A Systematic Review of Reporting of Outcome Data
Charles P. Hannon, BS: New York, New York, USA

10:50a Metal Implantation for Secondary Osteochondral Defects of the Talus: A Prospective Study
Christiaan J.A. van Bergen, MD: Amsterdam, The Netherlands

11:00a Break

11:20a Photochemical Tissue Bonding in Cartilage Repair
Christopher D. Murawski: New York, New York, USA

11:30a Second Generation Mesenchymal Stem Cell Implantation for Cartilage Repair
Amgad Haleem, MD: New York, New York, USA
Mohammed Gomaa, MD: Cairo, Egypt

11:40a The Synovial Fluid Secretome of Ankle Arthritis: Implications for Cartilage Repair
Samuel B. Adams Jr., MD: Durham, North Carolina, USA

11:50a Discussion
Moderator: John G. Kennedy, MD, FRCS (Orth): New York, New York, USA

12:00p Panel Discussion: Interesting Cases (All Faculty Members)
Moderator: Richard D. Ferkel, MD: Van Nuys, California, USA

1:00p Closing Remarks