3rd Annual Sports Cardiology Summit

September 12 – 13, 2014
Indianapolis Marriott Downtown
Indianapolis

AGENDA
Friday, September 12

6:00 a.m.  Registration  
Continental Breakfast

6:30 a.m. –  Optional Workshop: How to Interpret ECG in American Athletes of All Ages  
7:30 a.m.  Moderators: Drs. Battle and Lawless

6:30 a.m.  Introduction to Current Interpretation Criteria  
Dr. Lawless

6:40 a.m.  How to Read an Athlete ECG  
Dr. Sharma

7:10 a.m.  Evolution of ECG during Teenage Years  
Dr. Battle

7:20 a.m.  Panel Discussion  
Drs. Battle, Lawless and Sharma

7:30 a.m.  Workshop Adjournment

7:15 a.m.  General Session Registration  
Continental Breakfast

7:45 a.m.  Welcome and Overview  
Drs. Kovacs and Lawless

Session I: Basic Exercise Physiology and Endurance Sports Cardiology
Moderators: Drs. Kovacs and Lawless

8:00 a.m.  Basic Exercise Physiology and CPET  
Dr. Levine

8:40 a.m.  Endurance Medicine  
Dr. Roberts

9:05 a.m.  Controversies in Endurance Cardiology  
Dr. Baggish

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9:30 a.m.  Panel Discussion
            *Drs. Baggish, Levine and Roberts*

10:00 a.m.  Break

**Session II: Lessons from the Professional Athlete**
*Moderators: Drs. Battle and Levine*

10:15 a.m.  American Football Athlete: Unique? Or Just Like Any Other Athlete?
            *Dr. Kovacs*

10:30 a.m.  Basketball Athlete: Why Are They So High Risk?
            *Dr. Bove*

10:45 a.m.  Soccer Athlete: Observations from the World’s Most Popular Sport
            *Dr. Lawless*

11:00 a.m.  Panel Discussion
            *Drs. Bove, Kovacs and Lawless*

**Session III: “Real World” Cases in Sports Cardiology**
*Moderators: Drs. Bove and Sullivan*
*Panelists: Drs. Baggish, Battle, Levine, Roberts and Sharma*

11:15 a.m.  16-year-old Football Linebacker with Kawasaki’s as a Child
            *Dr. Grenier*

11:30 a.m.  17-year-old Male Multi-sport Athlete with Cardiac Arrest While Playing Soccer
            *Dr. Tozzi*

11:45 a.m.  37-year-old Female Elite Marathoner with Syncope on the Tennis Court and Abnormal Right Ventricular Function
            *Dr. Chung*

12:00 p.m.  26-year-old Black Male Caribbean Footballer with Chest Pain and ST Elevation
            *Dr. Sydo*

12:15 p.m.  Lunch
            Work Groups *(12:15 p.m. – 12:45 p.m.)*
            Section Meeting *(12:45 p.m. – 1:30 p.m.)*

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### Session IV: “50 Shades of Grey” Zone Athlete:
Distinguishing Normal Adaptation from Pathology  
Moderators: Drs. Lawless and Thompson

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<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tr>
<td>1:30 p.m.</td>
<td>Too Thick? HCM vs. Physiologic Adaptation</td>
<td>Dr. Martinez</td>
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<td>1:45 p.m.</td>
<td>How Low Can You Go? LVEF and Cardiac Cavity Size in the Athlete</td>
<td>Dr. Bove</td>
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<td>2:00 p.m.</td>
<td>The Other Ventricle: Distinguishing Normal RV Adaptation from Pathology</td>
<td>Dr. Baggish</td>
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<td>2:15 p.m.</td>
<td>Repolarization Abnormalities: Athlete Heart or Inherited Disease?</td>
<td>Dr. Sullivan</td>
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<td>2:30 p.m.</td>
<td>Legal Implications of Return to Play: How to Make RTP Decisions and Stay Out of the Deep End</td>
<td>Dr. Emery</td>
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<td>2:45 p.m.</td>
<td>Panel Discussion</td>
<td>Drs. Baggish, Bove, Emery, Martinez and Sullivan</td>
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<td>3:15 p.m.</td>
<td>Break</td>
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### Session V: Research in Sports and Exercise Cardiology  
Moderators: Drs. Baggish and Lawrence

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<tr>
<td>3:30 p.m.</td>
<td>Update and Overview: Key Studies in Sports and Exercise Cardiology (2013-2014)</td>
<td>Dr. Thompson</td>
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<td>3:55 p.m.</td>
<td>Research in Sports and Exercise Cardiology: Challenges, Opportunities, Future Directions</td>
<td>Dr. Levine</td>
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<td>4:20 p.m.</td>
<td>Research Presentation — Oral Abstract</td>
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<td>Feasibility and Interobserver Variability for Identification of Coronary Arterial Ostia using Transthoracic Echocardiography in an Athletic Screening Population</td>
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<td>4:30 p.m.</td>
<td>Research Presentation — Oral Abstract</td>
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<td>Wolff-Parkinson-White Pattern Risk over 60 years in Athletic USAF Aviators</td>
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4:40 p.m.  Research Presentation — Oral Abstract  
*Cardiac Structural and Functional Changes after High Intensity Aerobic Exercise Training*

4:50 p.m.  Research Presentation — Oral Abstract  
*AEDs in Nebraska Schools: Evidence of Availability and Efficacy*

5:00 p.m.  Adjournment

5:00 p.m.  Poster Session with Reception

**Saturday, September 13**

6:45 a.m.  Continental Breakfast

7:00 a.m. – 7:45 a.m.  Focus Groups/Roundtables

a. Professional Sports  
  *Drs. Bove and Kovacs*

b. Collegiate Sports  
  *Drs. Battle and Lawless*

c. Youth Sports  
  *Drs. Lawrence and Roberts*

d. Endurance and Extreme Sports  
  *Drs. Baggish, Emery and Sharma*

**Session VI: Sports Cardiology in Youth Athletes**  
**Moderators: Drs. Emery and Martinez**

8:00 a.m.  The Heart of the Matter: Differentiating Physiology from Pathology in the Developing Heart  
*Dr. Sharma*

8:20 a.m.  Case Discussion  
*Dr. Kovacs*

8:30 a.m.  Keeping the Beat: Risky Business in Schools  
**Primary and Secondary Prevention of Sudden Cardiac Arrest in the U.S.**  
*Dr. Roberts*

**Primary and Secondary Prevention of Sudden Cardiac Arrest in Europe**  
*Dr. Sharma*
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ECG Parameters in Youth – Do We Have Them?
Dr. Lawrence

9:00 a.m.  Suddenly Struck: The Unseen Danger
Inside the Genome: Channelopathies, Exercise and SCD
Dr. Sullivan

Congenital Coronary Anomalies: Major Player or Mere Spectator?
Dr. Lawrence

9:40 a.m.  Panel Discussion
Drs. Kovacs, Lawrence, Roberts, Sharma and Sullivan

10:00 a.m.  Break

Session VII:  Let’s Get Physical: Exercise Prescription for the Athlete with a Cardiac Condition
Moderators: Drs. Roberts and Sharma

10:15 a.m.  Complex Congenital Heart Disease: Tetralogy of Fallot
Dr. Battle

10:30 a.m.  Aortic Disease
Dr. Thompson

10:45 a.m.  Cardiomyopathies
Dr. Martinez

11:00 a.m.  Coronary Heart Disease
Dr. Emery

11:15 a.m.  Atrial Fibrillation
Dr. Sullivan

11:30 a.m.  Panel Discussion
Drs. Battle, Emery, Lawrence, Martinez, Sullivan and Thompson

11:50 a.m.  Wrap Up
Drs. Emery and Lawrence

12:00 p.m.  Course Adjournment

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