

CURRENT CONCEPTS INSTITUTE

Cleveland, Ohio

presents

*Twelfth
Annual*

**CURRENT
CONCEPTS
IN JOINT
REPLACEMENT™**

Spring 2011

The ARIA at CityCenter

Las Vegas, Nevada



May 22 - 25, 2011

A Continuing Medical Education Program
jointly sponsored by



SCHOOL OF MEDICINE
CASE WESTERN RESERVE
UNIVERSITY

Course Director:

A. SETH GREENWALD, D.PHIL.(OXON)

COURSE DESCRIPTION

The course is open to orthopaedic surgeons, residents, nurses, and members of the orthopaedic and allied health industries.

- Hemi and total shoulder arthroplasty use has dramatically increased and is attributed to improvements in instrumentation, design modularity, and surgical technique.
- Both hip and knee reconstruction have evolved into mature sciences and are seen to be dependent on a triad of design, patient factors, and technical proficiency to achieve clinical longevity.
- This meeting will focus on both primary and revision outcomes, surgical approaches, new materials, and design as well as address problems of fixation, bone deficiency, instability, trauma, and infection for hip, knee, and shoulder replacement.
- An assemblage of contemporary thought leaders will probe the boundaries of these problems and offer solutions for joint pathologies where arthroplasty is indicated.
- Plenary commentary, didactic clinical reports, technique videos, debate, case challenges, and live surgery define the formats of presentation, which provide an optimal learning opportunity for orthopaedic surgeons and other allied professionals involved in joint reconstruction.

LEARNING OBJECTIVES

As a result of attending this symposium, the participant will be able to:

- Appraise evolving surgical techniques and implant technologies through didactic and interactive live presentation as well as evaluate early and long-term clinical outcomes.
- Identify problems and concerns relevant to hip, knee, and shoulder arthroplasty including polyethylene wear, inter-component failure, peri-prosthetic fracture, and long-term tissue response.
- Discuss optimal clinical application of current and evolving fixation techniques in primary and revision procedures including cement, hydroxyapatite, porous coating, press fit, impaction grafting, and evolving porous metal technologies.
- Identify solutions to difficult hip, knee, and shoulder reconstruction problems.
- Describe contemporary solutions to problems of bone loss in hip, knee, and shoulder reconstruction.

DISCLAIMER

The information in this educational activity is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition. The viewpoints expressed in this CME activity are those of the author/faculty. They do not represent an endorsement by the Current Concepts Institute. In no event will the Current Concepts Institute be liable for any decision made or action taken in reliance upon information provided through this CME activity.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Case Western Reserve University School of Medicine and Current Concepts Institute. Case Western Reserve University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Case Western Reserve University School of Medicine designates this live activity for a maximum of *23.5 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity are eligible for American Osteopathic Association Category 2 CME credit.

AMERICANS WITH DISABILITIES ACT

Current Concepts Institute fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please call 216-295-1900 at least two weeks prior to the activity.

DISCLOSURE STATEMENT

The policy of the Case Western Reserve University School of Medicine CME Program requires that the Activity Director, planning committee members and all activity faculty (that is, anyone in a position to control the content of the education activity) disclose to the activity participants all relevant financial relationships with commercial interests. Disclosure will be made to activity participants prior to the commencement of the activity. The Case Western Reserve University School of Medicine also requires that faculty make clinical recommendations based on the best available scientific evidence and that faculty identify any discussion of "off-label" or investigational use of pharmaceutical products or medical devices.

TRAVEL ARRANGEMENTS

Avis is designated the car rental service:

Tel: 1-800-331-1600

AWD Number: J992905

Internet: <http://www.CCJR.com>

Continental Airlines, Inc. is designated the Official Airline:

Tel: 1-800-468-7022

Z Code: ZK8E

Internet: www.continental.com

Agreement Code: 377634

COURSE LOCATION

The ARIA at CityCenter is a fusion of energy, inspiration, and vision located on 67 acres on the iconic Las Vegas Strip. Forming the core of CityCenter, the dazzling urban resort destination destined to refine and redefine the Las Vegas Strip. **The ARIA at CityCenter** features an unprecedented combination of striking architecture, sustainable design, high-end service, world class cuisine, and spectacular amenities. Guests are swept away by its breathtaking beauty, stunning innovation, and the refreshing level of consciousness found in every detail. Its extraordinary history of dynamic cutting-edge developments, **The ARIA at CityCenter** introduces a new generation of resort experiences, unlike anything Las Vegas, and more remarkably the world, has ever seen.

HOTEL RESERVATIONS

The ARIA at CityCenter has reserved rooms for the **CCJR** meeting at \$159.00/Night + Tax during the meeting. **HOTEL RESERVATIONS** must be made directly with the hotel by **Telephone 702-590-7757 or 866-359-7757**. The **DEADLINE** for the room rate is April 22, 2011, based on availability. All reservations must be guaranteed by April 22, 2011 with a credit card.

The ARIA at CityCenter

3730 Las Vegas Boulevard South

Las Vegas, Nevada 89109 - USA

Tel: 866-359-7757

Online Reservations: www.arialasvegas.com

Single & Double Room \$159.00/Night+Tax

COURSE INFORMATION

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Whangarei, New Zealand
- Leo A. Whiteside, M.D.**
Missouri Bone & Joint Center
St. Louis, Missouri

CURRENT CONCEPTS IN JOINT REPLACEMENT™ - *Spring 2011*

REGISTRATION: Ironwood Ballroom

6:00p.m. - 8:00p.m. Sunday, May 22

6:30a.m. - 1:00p.m. Monday-Wednesday, May 23-25

WELCOME RECEPTION: Ironwood Ballroom

6:00p.m. - 8:00p.m. Sunday, May 22

MONDAY, MAY 23, 2011

6:30a.m. Buffet Breakfast

Opening Remarks:

7:30 A. Seth Greenwald, D.Phil.(Oxon)

SESSION I – Thomas S. Thornhill, M.D.

Orthopaedic Crossfire® I: Controversies in Shoulder Reconstruction

7:35 Reverse Arthroplasty: *Best Option for 4-Part Fx's in the Geriatric Patient*

#1 Louis U. Bigliani, M.D. – *Affirms*

#2 Leesa M. Galatz, M.D. – *Opposes*

7:55 Subscapularis Tenotomy: *Optimal Approach to Shoulder Replacement*

#3 John W. Sperling, M.D. – *Affirms*

#4 Evan L. Flatow, M.D. – *Opposes*

8:15 Ream & Run: *Best Management Solution for the Young Arthritic*

#5 William H. Seitz, Jr., M.D. – *Affirms*

#6 Wayne Z. Burkhead, Jr., M.D. – *Opposes*

SESSION II – Evan L. Flatow, M.D.

Shoulder Replacement: Intra-Operative Issues Dictated by Diagnosis

8:35 #7 Arthritis of Dislocation: *Recapturing Rotation*

Reuben Gobezie, M.D.

8:40 #8 Avascular Necrosis: *Hemi-Cap, Cap or Stemmed Solution?*

William H. Seitz, Jr., M.D.

8:45 #9 Glenoid Deficiency: *Makin' Somethin' Outa' Nothin'*

Wayne Z. Burkhead, Jr., M.D.

8:50 #10 Cuff Deficiency: *Allograft, Transfer or Advance?*

Louis U. Bigliani, M.D.

8:55 #11 Shoulder Fx's: *Pin, Plate or Replace?*

Leesa M. Galatz, M.D.

9:00 Discussion

SESSION III – John W. Sperling, M.D.

"Live in Las Vegas": Reverse Shoulder Reconstruction from

The Hospital for Special Surgery, New York, New York

9:20 #12 Reverse Shoulder Arthroplasty: *Restoring Function*

David M. Dines, M.D. – *Surgeon*

10:20 Refreshments in the Exhibit Area

SESSION IV – Wayne Z. Burkhead, Jr., M.D.

Shoulder Arthroplasty: "Dealin' with Difficulties"

10:40 #13 Glenoid Fixation: *Odds On Favorite?*

Evan L. Flatow, M.D.

10:45 #14 Humeral Fixation, Impaction Grafting or Cement: *Dealer's Choice?*

Reuben Gobezie, M.D.

10:50 #15 P. Acnes: *Our Infection "Friend"*

John W. Sperling, M.D.

10:55 #16 Post-Operative Infections: *The Great Escape*

Leesa M. Galatz, M.D.

11:00 #17 Post-Operative Instability: *A Question of Balance*

William H. Seitz, Jr., M.D.

11:05 Discussion

SESSION V – Louis U. Bigliani, M.D.

11:25 #18 *What Would YOU do? Challenges in Shoulder Surgery*

Evan L. Flatow, M.D.

Leesa M. Galatz, M.D.

Reuben Gobezie, M.D.

William H. Seitz, Jr., M.D.

John W. Sperling, M.D.

SESSION VI – Leesa M. Galatz, M.D.

Tips, Tidbits & Surgical Pearls: How I Do It!

12:00 #19 Rehabilitation Following Shoulder Replacement: *Be All You Can Be!*

William H. Seitz, Jr., M.D.

12:06 #20 Glenoid Exposure: *Tricks of the Trade*

Reuben Gobezie, M.D.

12:12 #21 Metaglen Placement in Reverse TSR: *Practice Makes Perfect*

Evan L. Flatow, M.D.

12:18 #22 Implant Removal in Revision Arthroplasty: *A Tour de Force*

Louis U. Bigliani, M.D.

12:24 #23 Lesser Tuberosity Fixation Following Arthroplasty: *Texas Hold 'Em*

Wayne Z. Burkhead, Jr., M.D.

12:30 Lunch

SESSION VII – Kelly G. Vince, M.D., F.R.C.S.(C)

1:30 #24 The Advent of Biologic Intervention for Adult Knee Problems

Richard D. Parker, M.D.

The Enigma of Early Knee Disease

1:40 #25 The Role of Arthroscopy: *Is There One?*

Richard E. Jones, M.D.

1:46 #26 The Role of Osteotomy: *Unloading the Compartments*

Mark W. Pagnano, M.D.

1:52 #27 The Spectrum of Compartmental Replacement: *From Focal to Uni*

Richard D. Parker, M.D.

1:58 #28 Patello-Femoral Replacement: *Is One Compartment Enough?*

Gerard A. Engh, M.D.

2:04 #29 The Tri-Compartment Fixed Plateau: *Why Bother With Less*

Thomas P. Sculco, M.D.

2:10 Discussion

SESSION VIII – William J. Maloney III, M.D.

Orthopaedic Crossfire® II: Controversial Issues in Knee Arthroplasty

2:30 Cementless TKA: *A Worthwhile Resuscitation*

#30 Leo A. Whiteside, M.D. – *Affirms*

#31 Thomas S. Thornhill, M.D. – *Opposes*

2:50 Patient Specific Cutting Blocks: *No Added Value*

#32 Robert L. Barrack, M.D. – *Affirms*

#33 S. David Stulberg, M.D. – *Opposes*

3:10 Neutral Mechanical Alignment: *Required For Long-Term TKA*

#34 Adolph V. Lombardi, Jr., M.D. – *Affirms*

#35 Mark W. Pagnano, M.D. – *Opposes*

3:30 Refreshments in the Exhibit Area

SESSION IX – Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.

Management Factorials in Primary TKA: Ensuring a Winner!

3:50 #36 Top "10" Ways to Ruin a Perfectly Good TKA

John M. Cuckler, M.D.

3:56 #37 Which Implant Should I Pick: *Thoughtful Considerations*

William M. Mihalko, M.D., Ph.D.

- 4:02 #38 Correction of Deformity: *When the Implant is Not Enough*
Arun Mullaji, F.R.C.S.(Ed), M.S.
- 4:08 #39 Limiting Intra-Operative Blood Loss: *Current Options*
Jay R. Lieberman, M.D.
- 4:14 #40 Patient Obesity: *Getting to the Refrigerator Faster*
Steven J. MacDonald, M.D., F.R.C.S.(C)
- 4:20 #41 Preventing Periprosthetic Infection: *Strategies That Work*
Javad Parvizi, M.D., F.R.C.S.
- 4:26 Discussion

SESSION X – Kelly G. Vince, M.D., F.R.C.S.(C)

- 4:46 #42 ***What Would YOU do? Challenges in Knee Surgery***
J. David Blaha, M.D.
Gerard A. Engh, M.D.
Richard E. Jones, M.D.
Matthew J. Kraay, M.D.
Javad Parvizi, M.D., F.R.C.S.

SESSION XI – Thomas P. Schmalzried, M.D.

Tips, Tidbits & Surgical Pearls in Knee Arthroplasty

- 5:26 #43 What the Registries Don't Tell Us: *A Cautionary Tale*
Robert L. Barrack, M.D.
- 5:32 #44 Tissue Guided TKA: *A Paradigm Shift*
Gerard A. Engh, M.D.
- 5:38 #45 Alignment & Ligament Balancing in TKA: *You Can Have it All*
Leo A. Whiteside, M.D.
- 5:44 #46 Reverse Hybrid Fixation in TKA: *A Twist in Time*
Matthew J. Kraay, M.D.
- 5:50 #47 Advancing Suture Technology in TKA: *A Stitch in Time*
Craig J. Della Valle, M.D.
- 5:56 #48 AP Instability: *A Cause of Anterior Knee Pain*
J. David Blaha, M.D.
- 6:02 #49 Iatrogenic MCL Injury During TKA: *What To Do, What To Do?*
Kenneth A. Krackow, M.D.
- 6:08 #50 UKA to TKA Conversion: *Assuring a Primary Outcome*
Adolph V. Lombardi, Jr., M.D.
- 6:14 #51 Getting Out the Well-Fixed Knee: *All Hands On Deck*
John M. Cuckler, M.D.
- 6:20 Adjournment

EXHIBITORS' RECEPTION: Ironwood Ballroom

6:20p.m. – 8:00p.m.

TUESDAY, MAY 24, 2011

6:30a.m. Buffet Breakfast

SESSION XII – Robert T. Trousdale, M.D.

- 7:30 #52 Why Knees Fail in 2011: *Patient, Surgeon or Device?*
David S. Hungerford, M.D.

Revision Knee Arthroplasty: Doin' the Right Thing

- 7:40 #53 Pre-Operative Planning: *Avoiding Chaos*
Kenneth A. Gustke, M.D.
- 7:46 #54 Peri-Prosthetic Fx's After TKA: *Hold 'Em or Fold 'Em*
Craig J. Della Valle, M.D.
- 7:52 #55 The Unstable Knee: *Causes & Cures*
Kelly G. Vince, M.D., F.R.C.S.(C)
- 7:58 #56 Extensor Mechanism Disruption: *When the Unthinkable Happens*
Aaron G. Rosenberg, M.D.
- 8:04 #57 Contemporary Bone Loss Options: *Rebuild, Reinforce & Augment*
George J. Haidukewych, M.D.
- 8:10 Discussion

SESSION XIII – Aaron G. Rosenberg, M.D.

- 8:30 #58 ***Hip & Knee Arthroplasty 2011: What's New, What's True, Does it Matter? Evidence Based Issues***
Joshua J. Jacobs, M.D.
William J. Maloney III, M.D.
Michael A. Mont, M.D.
Mark W. Pagnano, M.D.
Michael D. Ries, M.D.

SESSION XIV – Thomas S. Thornhill, M.D.

Orthopaedic Crossfire® III: Re-Examining Hip & Knee Arthroplasty Technologies

- 9:05 Rethinking Patella Replacement: *It Really Isn't Necessary*
#59 Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D. – *Affirms*
#60 Steven J. MacDonald, M.D., F.R.C.S.(C) – *Opposes*
- 9:25 Computer Navigation in TJA: *More Bother Than It's Worth*
#61 Robert T. Trousdale, M.D. – *Affirms*
#62 Arun Mullaji, F.R.C.S.(Ed), M.S. – *Opposes*
- 9:45 Metal-Metal Articulation: *Cease & Desist*
#63 William J. Maloney III, M.D. – *Affirms*
#64 Thomas P. Schmalzried, M.D. – *Opposes*
- 10:05 Refreshments in the Exhibit Area

SESSION XV – John J. Callaghan, M.D.

Primary Hip Replacement: What Works & for Whom?

- 10:25 #65 Cross-Linked Polyethylene: *Standard of Care?*
Michael D. Ries, M.D.
- 10:31 #66 Cemented Femoral Fixation: *Back to the Future!*
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.
- 10:37 #67 Cementless Stems: *Is There an Optimum?*
C. Anderson Engh, Jr., M.D.
- 10:43 #68 Stubby Stems: *The Napoleonic Solution*
Kenneth A. Gustke, M.D.
- 10:49 #69 Femoral Neck Modularity: *A Time & a Place*
Stephen B. Murphy, M.D.
- 10:55 #70 Acetabular Options: *Notes From the Other Side*
Matthew J. Kraay, M.D.
- 11:01 Discussion

SESSION XVI – Daniel J. Berry, M.D.

- 11:20 #71 ***Performing a Primary Hip Arthroplasty***
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.
C. Anderson Engh, Jr., M.D.
William M. Mihalko, M.D., Ph.D.
Arun Mullaji, F.R.C.S.(Ed), M.S.

- 11:50 #72 OREF/CCJR Clinical Award Paper
To Be Announced

- 12:00 Lunch

SESSION XVII – Thomas P. Sculco, M.D.

"Live in Las Vegas": Hip & Knee Arthroplasty Procedures from The Hospital for Special Surgery, New York, New York; Thomas Jefferson University Hospital, Philadelphia, Pennsylvania; & Good Samaritan Hospital, Los Angeles, California

- 1:00 #73 ***Metal-Metal Hip Resurfacing: For the Right Indications***
Joshua J. Jacobs, M.D. – *Moderator*
Edwin P. Su, M.D. – *Surgeon*

- 1:45 #74 ***A Universal Hip: A Solution For All Seasons***
Javad Parvizi, M.D., F.R.C.S. – *Moderator*
Richard H. Rothman, M.D., Ph.D. – *Surgeon*

- 2:30 #75 **Rotating Platform PS TKA**
John J. Callaghan, M.D. – *Moderator*
Chitranjan S. Ranawat, M.D. – *Surgeon*
- Continuous Refreshments in the Exhibit Area
- 3:15 #76 **Primary Cementless TKA: It's Time For the Wine**
Richard E. Jones, M.D. – *Moderator*
Aaron A. Hofmann, M.D. – *Surgeon*
- 4:00 #77 **Patient Specific TKA: Off-the-Shelf Customization**
Thomas P. Sculco, M.D. – *Moderator*
Steven B. Haas, M.D. – *Surgeon*
- 4:45 #78 **Robotic Guided THA: An Emerging Technology**
Douglas E. Padgett, M.D. – *Moderator*
Lawrence D. Dorr, M.D. – *Surgeon*
- 5:30 Adjournment

WEDNESDAY, MAY 25, 2011

6:30a.m. Buffet Breakfast

SESSION XVIII – Jay R. Lieberman, M.D.

Hip Arthroplasty: Avoiding Pitfalls & Managing Problems

- 7:30 #79 Pre-Operative Planning: *It's More Than Just Templating*
Thomas P. Schmalzried, M.D.
- 7:36 #80 Heterotopic Bone: *An Ongoing Dilemma in THA*
William M. Mihalko, M.D., Ph.D.
- 7:42 #81 The Infected Hip: *Avoidance & Treatment*
Craig J. Della Valle, M.D.
- 7:48 #82 The Dysplastic Hip: *Not For the Shallow Surgeon*
Allan E. Gross, M.D., F.R.C.S.(C)
- 7:54 #83 The Down Syndrome Patient: *Not a Downer*
Michael A. Mont, M.D.
- 8:00 #84 Acetabular Protrusion: *A Problem in Depth*
Michael D. Ries, M.D.
- 8:06 Discussion

SESSION XIX – Daniel J. Berry, M.D.

- 8:26 #85 The Case For Hip Resurfacing: *A Bigger Picture*
Robert L. Barrack, M.D.

Orthopaedic Crossfire® IV: Controversial Issues in Hip Arthroplasty

- 8:36 The Anterior Approach Optimizes THA Outcome
#86 B. Sonny Bal, M.D., J.D., M.B.A. – *Affirms*
#87 Thomas P. Sculco, M.D. – *Opposes*
- 8:56 Femoral Stem Modularity in Revision THA: *The Solution For All Seasons*
#88 Wayne G. Paprosky, M.D. – *Affirms*
#89 Michael E. Berend, M.D. – *Opposes*
- 9:16 DVT Anticoagulants: *Contemporary Standard of Care*
#90 Jay R. Lieberman, M.D. – *Affirms*
#91 Douglas E. Padgett, M.D. – *Opposes*

SESSION XX – Adolph V. Lombardi, Jr., M.D.

- 9:36 #92 **What Would YOU do? Challenges in Hip Surgery**
Hugh U. Cameron, M.B., F.R.C.S.(C)
George J. Haidukewych, M.D.
Kenneth A. Krackow, M.D.
Wayne G. Paprosky, M.D.
Robert T. Trousdale, M.D.
- 10:16 Refreshments in the Exhibit Area

SESSION XXI – Leo A. Whiteside, M.D.

The Revision Femur: A Potpourri of Options

- 10:36 #93 Cemented Femoral Stem Revision: *With & Without Bone Restoration*
Douglas E. Padgett, M.D.
- 10:42 #94 Proximal Femoral Fixation: *What Bone Stock Allows*
Hugh U. Cameron, M.B., F.R.C.S.(C)
- 10:48 #95 When Only Extensively Coated Stems Will Do: *Like Father, Like Son*
C. Anderson Engh, Jr., M.D.
- 10:54 #96 Fluted Tapered Modular Stems: *An Accommodation Option*
Daniel J. Berry, M.D.
- 11:00 #97 Massive Bone Loss: *Metal or Proximal Femoral Allograft*
Wayne G. Paprosky, M.D.
- 11:06 Discussion

SESSION XXII – David S. Hungerford, M.D.

- 11:26 #98 Metal-Metal Reactivity After Hip Arthroplasty:
Watchful Waiting or Intervention?
Joshua J. Jacobs, M.D.

The Revision Acetabulum

- 11:36 #99 The Uncemented Cup: *"The Classic"*
Michael E. Berend, M.D.
- 11:42 #100 Lysis in the Well-Fixed Socket: *Retention or Removal*
John J. Callaghan, M.D.
- 11:48 #101 Porous Metal Augments: *Big Hopes For Big Holes*
Aaron G. Rosenberg, M.D.
- 11:54 #102 Pelvic Discontinuity: *The Cup Cage Solution*
Allan E. Gross, M.D., F.R.C.S.(C)
- 12:00 Discussion

SESSION XXIII – John M. Cuckler, M.D.

- 12:20 #103 **Total Hip Revision: A Day in the Life of . . .**
Daniel J. Berry, M.D.
Allan E. Gross, M.D., F.R.C.S.(C)
George J. Haidukewych, M.D.
Steven J. MacDonald, M.D., F.R.C.S.(C)

SESSION XXIV – Steven J. MacDonald, M.D., F.R.C.S.(C)

Tips, Tidbits & Techniques in Hip Reconstruction

- 12:55 #104 Ceramic-Ceramic Use in THA: *Comforts & Caveats*
B. Sonny Bal, M.D., J.D., M.B.A.
- 1:01 #105 Femoro-Acetabular Impingement: *Avoiding Arthroplasty*
Robert T. Trousdale, M.D.
- 1:07 #106 The Hip Sextant: *Navigating Acetabular Cup Placement*
Stephen B. Murphy, M.D.
- 1:13 #107 Treating Abductor Deficiency: *A Transference Technique*
Leo A. Whiteside, M.D.
- 1:19 #108 Hip Fusion Conversion: *Don't Promise Too Much*
Hugh U. Cameron, M.B., F.R.C.S.(C)
- 1:25 #109 Revision After Modular Neck Fx: *Keeping the Stem*
J. David Blaha, M.D.
- 1:31 #110 Chronic Instability & Wear in Revision THA: *A New Solution*
S. David Stulberg, M.D.
- 1:37 #111 Extended Trochanteric Osteotomy: *Getting Home in Time for Dinner*
Michael E. Berend, M.D.
- 1:43 Closure

MEETING PROCEEDINGS

A COMPLETE SET OF AUDIO MP3'S WILL BE GIVEN TO EACH PARTICIPANT DURING THE CLOSING RECEPTION.

AN INTERACTIVE DVD-ROM OF THIS CCJR MEETING AND A DVD OF THE LIVE SURGERIES WILL BE SUBSEQUENTLY MAILED.

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Exhibitors Only: Sunday, May 22, 2011 from 2:00p.m. - 4:00p.m.

All Participants: Sunday, May 22, 2011 from 6:00p.m. - 8:00p.m.

Monday, May 23, 2011 - Wednesday, May 25, 2011 from 6:30a.m. - 1:00p.m.

WELCOME RECEPTION

Sunday, May 22, 2011 from 6:00p.m. - 8:00p.m.

COURSE PRE-REGISTRATION DEADLINE: April 22, 2011 • No registration will be held without payment • Registration can be transferred to another individual wishing to attend **CCJR-S11** only • Registration received after April 22, 2011 is subject to a \$50 late fee • Cancellation must be received in writing • Cancellation after April 22, 2011 is subject to a \$100 penalty • No refund will be granted after May 2, 2011 • Walk-in and late registrations will only be accepted if space is available • Confirmation is sent by mail or e-mail •

• Room Reservations Must Be Made Directly With the Hotel •