
CURRENT CONCEPTS INSTITUTE

Cleveland, Ohio

presents

*Sixteenth
Annual*

**CURRENT
CONCEPTS
IN JOINT
REPLACEMENT[®]**

Spring 2015

The ARIA at CityCenter

Las Vegas, Nevada



May 17 - 20, 2015

A Continuing Medical Education Program

Course Director:

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

COURSE DESCRIPTION

This **CME** program is open to orthopaedic surgeons, residents, nurses, and members of the orthopaedic and allied health industries.

- This meeting will focus on both primary and revision outcomes, surgical approaches, current implant designs and materials including the clinical manifestations of metal-on-metal articulations and the use of tapers, as well as address problems of fixation, bone deficiency, instability, trauma, and infection for hip, knee, and shoulder replacement.
- Topics delve into a triad of design, patient factors, and technical proficiency responsible for achieving clinical longevity in hip, knee, and shoulder reconstruction.
- Hemi and total shoulder arthroplasty topics focus on improved instrumentation, design modularity, evolving surgical techniques, and optimal patient outcomes.
- 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 CME program, 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, short and long term tissue response, inter-component failure, and peri-prosthetic fracture.
- 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.
- Appreciate current solution options for hip, knee, and shoulder arthroplasty failure where revision is an endpoint and understand the contributory roles of bone loss, soft tissue deficiency, and infection.

WALKING WITH GIANTS® ASK THE EXPERTS

An intimate session to discuss your complex cases.

CCJR participants have an opportunity to present a problem hip or knee case to faculty experts for discussion on Monday, May 18, 2015. If you are interested in bringing a case for discussion, please **E-Mail** Info@CCJR.com for submission details.

EXHIBITOR SATELLITE EVENTS

CCJR participants can also attend company-sponsored workshops for increased exposure to emerging and contemporary technologies as well as gain surgical technique experience.

ACCREDITATION STATEMENT

The Current Concepts Institute is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Current Concepts Institute designates this live activity for a maximum of **24.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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, this dazzling urban resort destination is 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. Even in a city such as Las Vegas, with its extraordinary history of dynamic cutting-edge developments, **The ARIA at CityCenter** introduces a new generation of resort experiences.

HOTEL RESERVATIONS

Hotel reservations for the **CCJR** meeting must be made directly with the hotel. The deadline for the room rate is **April 15, 2015**, if space is available. All reservations must be guaranteed with a credit card for the full stay.

The ARIA at CityCenter

3730 Las Vegas Blvd South, Las Vegas, NV 89109

Tel: 866-359-7757 / 702-590-7757

Single / Double Room \$189.00/Night+Tax

BOOKING ROOMS: www.CCJR-Hotels.com

COURSE REGISTRATION

COURSE PRE-REGISTRATION DEADLINE: May 1, 2015. No registration will be held without payment. Registration can be transferred to another individual wishing to attend **CCJR-S15** only. Registration received after **May 1, 2015** is subject to a \$50 late fee • Cancellation must be received in writing • Cancellation after **May 1, 2015** is subject to a \$100 penalty • No refund will be granted after **May 8, 2015** • Walk-in and late registrations will only be accepted if space is available • Confirmation is sent by mail or e-mail •

TRAVEL ARRANGEMENTS

Avis is designated the car rental service:

Tel: 1-800-331-1600

AWD Number: J992905

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

United Air Lines, Inc. is designated the Official Airline:

Tel: 1-800-468-7022

Offer Code: ZU6N423430

Internet: www.united.com

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.

DISCLOSURE STATEMENT

It is the policy of the Current Concepts Institute to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support of Continuing Medical Education. All persons serving in a position to control the content of the educational activity are required to disclose all relevant financial relationships with any commercial interests. This information will be disclosed to activity participants prior to the commencement of the educational activity in the materials distributed.

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.

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CURRENT CONCEPTS IN JOINT REPLACEMENT® - Spring 2015

REGISTRATION: Ironwood Ballroom

6:00p.m. - 8:00p.m. Sunday, May 17

6:30a.m. - 1:00p.m. Monday-Wednesday, May 18-20

SUNDAY, MAY 17, 2015

WELCOME RECEPTION: Ironwood Ballroom

6:00p.m. - 8:00p.m. Sunday, May 17

MONDAY, MAY 18, 2015

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 A Hill-Sachs Lesion is Best Treated with a Surface Replacement
#1 Sumant G. Krishnan, M.D. – *Affirms*
#2 Anthony A. Romeo, M.D. – *Opposes*
7:55 The Non-Cemented Humerus: *The Optimal Hybrid Solution*
#3 John W. Sperling, M.D. – *Affirms*
#4 William H. Seitz, Jr., M.D. – *Opposes*
8:15 Contained Cuff Tear Arthroplasty: *Best Treated with a Reverse*
Shoulder
#5 Lynn A. Crosby, M.D. – *Affirms*
#6 Reuben Gobezie, M.D. – *Opposes*

SESSION II – Sumant G. Krishnan, M.D.

Contemporary Concepts in Shoulder Arthroplasty

- 8:35 #7 Arthroscopic Shoulder Replacement: *A Biologic Alternative*
Reuben Gobezie, M.D.
8:40 #8 A “Convertible” Humeral Stem: *A Step Forward in Revision TSA*
Lynn A. Crosby, M.D.
8:45 #9 Patient Specific Instrumentation: *Improving Outcomes*
John W. Sperling, M.D.
8:50 #10 Management of Bone Loss: *Both Sides Now*
Wayne Z. Burkhead, Jr., M.D.
8:55 #11 Platelet Rich Plasmas: *Do They Offer Anything in 2015?*
Anthony A. Romeo, M.D.
9:00 Discussion

SESSION III – Anthony A. Romeo, M.D.

“Live in Las Vegas”: Shoulder Reconstruction from the Adena Bone & Joint Center, Chillicothe, OH

- 9:20 #12 **Reverse Shoulder Arthroplasty**
Brian S. Cohen, M.D. – *Surgeon*
10:20 Refreshments in the Exhibit Area

SESSION IV – Reuben Gobezie, M.D.

Complications in Shoulder Arthroplasty: “Dealin’ with Difficulties”

- 10:40 #13 Intra-Operative Complications: *A Trip Through Neverland*
Wayne Z. Burkhead, Jr., M.D.
10:45 #14 Stiffness Following Shoulder Arthroplasty: *To Manipulate or Not*
Sumant G. Krishnan, M.D.
10:50 #15 Instability After Shoulder Arthroplasty
William H. Seitz, Jr., M.D.
10:55 #16 Acute Proximal Humeral Fractures: *The Reverse TSA Solution*
Lynn A. Crosby, M.D.
11:00 #17 *P. Acnes: A Hidden Menace*
John W. Sperling, M.D.
11:05 Discussion

SESSION V – William H. Seitz, Jr., M.D.

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

Lynn A. Crosby, M.D.
Reuben Gobezie, M.D.
Sumant G. Krishnan, M.D.
Anthony A. Romeo, M.D.
John W. Sperling, M.D.

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

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

- 12:00 #19 Assuring Your Next Primary TSA: *Tips & Tricks*
Sumant G. Krishnan, M.D.
12:06 #20 Humeral Component Removal & Repair
John W. Sperling, M.D.
12:12 #21 Glenoid Component Failure: *Still a Recurring Problem*
Anthony A. Romeo, M.D.
12:18 #22 Optimizing Peri-Operative Pain Management
William H. Seitz, Jr., M.D.
12:24 #23 Subscapularis Repair After Shoulder Arthroplasty
Wayne Z. Burkhead, Jr., M.D.
12:30 Lunch

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

- 1:30 #24 The Causes of TKA Failure: *Avoiding Your Next Revision*
J. David Blaha, M.D.

Orthopaedic Crossfire® II: Controversial Issues in Knee Arthroplasty

- 1:40 Measured Resection Trumps Gap Balancing in TKA
#25 Aaron A. Hofmann, M.D. – *Affirms*
#26 Bryan D. Springer, M.D. – *Opposes*
2:00 Medial Compartment Arthritis: *TKA the Only Tried & True Solution*
#27 Thomas P. Sculco, M.D. – *Affirms*
#28 Fares S. Haddad, M.B., F.R.C.S. – *Opposes*
2:20 The Cementless TKA: *Lifetime Guarantee on Parts & Labor*
#29 Louis M. Kwong, M.D. – *Affirms*
#30 Chitranjan S. Ranawat, M.D. – *Opposes*

SESSION VIII – Kenneth A. Gustke, M.D.

“Live in Las Vegas”: Knee Arthroplasty from the Mt. Carmel New Albany Surgical Hospital, New Albany, OH

- 2:40 #31 **Cruciate Retaining TKA with the Use of Smart Trials**
Martin W. Roche, M.D. – *Surgeon*
3:40 Refreshments in the Exhibit Area

SESSION IX – John J. Callaghan, M.D.

Management Factorials in Primary Knee Arthroplasty: Ensuring a Winner!

- 4:00 #32 The Obese Patient: *A Problem of Larger Consequence*
Steven J. MacDonald, M.D., F.R.C.S.(C)
4:06 #33 Multi-Modal Pain Management: *Ensuring a Happy Patient*
Chitranjan S. Ranawat, M.D.
4:12 #34 Which Implant Should I Pick? *Satisfying the Patient Pathology*
R. Michael Meneghini, M.D.
4:18 #35 Neutral Mechanical Alignment: *Appreciating the Boundaries*
Mark W. Pagnano, M.D.
4:24 #36 Correction of Deformity: *When the Implant is Not Enough*
Aaron G. Rosenberg, M.D.
4:30 #37 Patient Activity After Arthroplasty: *Prioritizing Lifestyle & Longevity*
Thomas P. Schmalzried, M.D.
4:36 Discussion

SESSION X – Thomas S. Thornhill, M.D.

- 4:56 #38 **What Would YOU do? Challenges in Knee Surgery**
 J. David Blaha, M.D.
 Kenneth A. Gustke, M.D.
 Richard E. Jones, M.D.
 John B. Meding, M.D.
 Mark W. Pagnano, M.D.

SESSION XI – Thomas P. Schmalzried, M.D.**Tips, Techniques & Technologies in Knee Arthroplasty**

- 5:31 #39 Medical Management of the Arthritic Patient: *When is Enough, Enough?*
 S. David Stulberg, M.D.
 5:37 #40 Cementless TKA Fixation: *Getting it Right*
 Louis M. Kwong, M.D.
 5:43 #41 Iatrogenic MCL Injury During TKA: *Avoiding a Bad Result*
 Kenneth A. Krackow, M.D.
 5:49 #42 Tourniquetless TKA: *Let it Bleed*
 Richard E. Jones, M.D.
 5:55 #43 Handheld Navigation in TKA: *The Orthopaedist's Smart Phone*
 Edwin P. Su, M.D.
 6:01 #44 Advances in Wound Closure: *A Barbed Approach*
 Craig J. Della Valle, M.D.
 6:07 #45 The Role of Hinges in Primary TKA: *Is There Any?*
 Thorsten Gehrke, M.D.
 6:13 #46 Interval Antibiotic Spacers for Infection
 Aaron A. Hofmann, M.D.
 6:19 #47 Exposure Options for the Revision Knee: *Getting There Safely*
 Bryan D. Springer, M.D.
 6:25 #48 Getting Out the Well Fixed Knee: *Tricks of the Trade*
 Leo A. Whiteside, M.D.

EXHIBITORS' RECEPTION: Ironwood Ballroom

6:31p.m. – 7:30p.m.

SESSION XII – Allan E. Gross, M.D., F.R.C.S.(C)

- 7:30 #49 **WALKING WITH GIANTS® ASK THE EXPERTS**
- Participant-Presented Problem Cases
 Daniel J. Berry, M.D.
 John J. Callaghan, M.D.
 Chitranjan S. Ranawat, M.D.
 Aaron G. Rosenberg, M.D.
 8:30 Adjournment

TUESDAY, MAY 19, 2015

6:30a.m. Buffet Breakfast

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

- 7:30 #50 Outpatient TKA: *Is the Paradigm Changing?*
 John B. Meding, M.D.

Orthopaedic Crossfire® III: Still More Controversies in Knee Arthroplasty

- 7:40 Patella Resurfacing: *Rarely, if Ever Necessary*
 #51 Robert L. Barrack, M.D. – *Affirms*
 #52 Wayne G. Paprosky, M.D. – *Opposes*
 8:00 The All Poly Tibia in Patients <60: *An Affordable Care Act Alternative*
 #53 David G. Lewallen, M.D. – *Affirms*
 #54 Leo A. Whiteside, M.D. – *Opposes*
 8:20 Patient Specific Cutting Blocks: *Of Unproven Value*
 #55 Gwo-Chin Lee, M.D. – *Affirms*
 #56 Mark W. Pagnano, M.D. – *Opposes*

SESSION XIV – Aaron A. Hofmann, M.D.**“Live in Las Vegas”: Knee Arthroplasty from the Mt. Carmel New Albany Surgical Hospital, New Albany, OH**

- 8:40 #57 **A Nickel Allergy TKA Solution**
 Michael A. McShane, M.D. – *Surgeon*

SESSION XV – Bryan D. Springer, M.D.**The Infected Knee Arthroplasty: Drugs, Bugs, & Solution Options**

- 9:40 #58 Minimizing Infection Risk: *The Factors Influencing*
 Craig J. Della Valle, M.D.
 9:46 #59 Single Stage Exchange: *It All Began Here*
 Thorsten Gehrke, M.D.
 9:52 #60 The Two Stage Exchange: *Res Ipsa Loquitor*
 Robert T. Trousdale, M.D.
 9:58 #61 The Problem Wound: *A Knee is Not a Hip*
 Richard E. Jones, M.D.
 10:04 Discussion
 10:24 #62 OREF/CCJR Clinical Award Paper
 10:34 Refreshments in the Exhibit Area

SESSION XVI – Mark W. Pagnano, M.D.**Revision Knee Arthroplasty: Doin' the Right Thing**

- 10:54 #63 The Post-Operative Painful Knee: *Clinical & Societal Causation*
 Hugh U. Cameron, M.B., F.R.C.S.(C)
 11:00 #64 Instability After TKA: *Wobble & Buckle*
 Edwin P. Su, M.D.
 11:06 #65 The Stiff Knee: *An Algorithmic Approach to Causality & Management*
 George J. Haidukewych, M.D.
 11:12 #66 Problems & Solutions of the Extensor Mechanism
 Aaron G. Rosenberg, M.D.
 11:18 #67 The Use of Stems in Revision: *Routinely, but Not Always*
 Thomas P. Sculco, M.D.
 11:24 #68 Contemporary Bone Loss Options: *Rebuild, Reinforce & Augment*
 David G. Lewallen, M.D.
 11:30 Discussion

SESSION XVII – Aaron G. Rosenberg, M.D.**Hip & Knee Arthroplasty 2015: What's New, What's True, Does it Matter? Evidence Based Issues**

- Robert L. Barrack, M.D.
 Fares S. Haddad, M.B., F.R.C.S.
 Joshua J. Jacobs, M.D.
 Gwo-Chin Lee, M.D.
 Jay R. Lieberman, M.D.
 12:25 Lunch

SESSION XVIII – Paul E. Beaulé, M.D., F.R.C.S.(C)**“Live in Las Vegas”: Hip Arthroplasty from the Mt. Carmel New Albany Surgical Hospital, New Albany, OH**

- 1:25 #70 **Direct Anterior, Tableless, Short Stem THA**
 Adolph V. Lombardi, Jr., M.D. – *Surgeon*

SESSION XIX – William J. Maloney III, M.D.**What MoM Has Taught Me & Might Help Your Next THA**

- John M. Cuckler, M.D.
Primary Hip Replacement: What Works & for Whom?
 2:35 #72 Contemporary Polymers: *All Our Burdens Now Over?*
 John J. Callaghan, M.D.
 2:41 #73 Cemented Femoral Fixation: *A North Atlantic Divide*
 Thorsten Gehrke, M.D.
 2:47 #74 Not All Cementless Stems are Created Equal: *A Selection Algorithm*
 Thomas P. Schmalzried, M.D.
 2:53 #75 The Short Femoral Stem: *When Less is More*
 S. David Stulberg, M.D.
 2:59 #76 The Monoblock Cup: *Tried & True*
 Thomas P. Sculco, M.D.
 3:05 #77 Dual Mobility: *An “Every Man's” Choice for Primary THA?*
 John B. Meding, M.D.
 3:11 Discussion
 3:31 Refreshments in the Exhibit Area

SESSION XX – Daniel J. Berry, M.D.

- 3:51 #78 **Performing a Primary Hip Arthroplasty**
 Paul E. Beaulé, M.D., F.R.C.S.(C)
 Thorsten Gehrke, M.D.
 R. Michael Meneghini, M.D.
 Bryan D. Springer, M.D.

SESSION XXI – Robert T. Trousdale, M.D.**Orthopaedic Crossfire® IV: Controversial Issues in Hip Arthroplasty**

- 4:26 Femoral Head Materials: *No Difference in Outcomes*
 #79 Steven J. MacDonald, M.D., F.R.C.S.(C) – *Affirms*
 #80 R. Michael Meneghini, M.D. – *Opposes*
 4:46 The Anterior Tabled Approach: *First Among Equals*
 #81 Paul E. Beaulé, M.D., F.R.C.S.(C) – *Affirms*
 #82 William J. Maloney III, M.D. – *Opposes*
 5:06 Dual Mobility Obviates the Need for Constrained Liners in Revision THA
 #83 Craig J. Della Valle, M.D. – *Affirms*
 #84 John J. Callaghan, M.D. – *Opposes*
 5:26 Adjournment

EXHIBITOR SATELLITE EVENTS

5:30p.m. – 7:30p.m.

WEDNESDAY, MAY 20, 2015

6:30a.m. Buffet Breakfast

SESSION XXII – Fares S. Haddad, M.B., F.R.C.S.**Hip Arthroplasty: A Potpourri of Management Issues**

- 7:30 #85 Hip Joint Preservation: *Avoiding or Deferring Arthroplasty?*
 Robert T. Trousdale, M.D.
 7:36 #86 THA in Patients with Proximal Femoral Deformity
 Daniel J. Berry, M.D.
 7:42 #87 Post-Surgical Neuropathy: *Causality & Avoidance*
 Edwin P. Su, M.D.
 7:48 #88 A Transgluteal THA: *Back to the Future*
 Brad L. Penenberg, M.D.
 7:54 #89 Peri-Prosthetic Fx's: *A Prevention & Treatment Algorithm*
 Michael D. Ries, Sc.M., M.D.
 8:00 #90 Metal-Metal Hip Replacement: *Indications for Intervention*
 Jay R. Lieberman, M.D.
 8:06 Discussion

SESSION XXIII – Jay R. Lieberman, M.D.**Orthopaedic Crossfire® V: Still More Controversies in Hip Arthroplasty**

- 8:26 ORIF for Displaced Femoral Neck Fx's in the <60 Active Patient
 #91 George J. Haidukewych, M.D. – *Affirms*
 #92 Edwin P. Su, M.D. – *Opposes*
 8:46 Ceramic on Ceramic THA in Patients <60: *A New Standard*
 #93 Stephen B. Murphy, M.D. – *Affirms*
 #94 William J. Maloney III, M.D. – *Opposes*
 9:06 Mobile Pump DVT Prophylaxis: *Just Say No to Drugs*
 #95 Robert L. Barrack, M.D. – *Affirms*
 #96 Louis M. Kwong, M.D. – *Opposes*

SESSION XXIV – Steven J. MacDonald, M.D., F.R.C.S.(C)**9:26 #97 What Would YOU do? Challenges in Hip Surgery**

Hugh U. Cameron, M.B., F.R.C.S.(C)
 Kenneth A. Krackow, M.D.
 Stephen B. Murphy, M.D.
 Brad L. Penenberg, M.D.
 Michael D. Ries, Sc.M., M.D.

10:01 Refreshments in the Exhibit Area

SESSION XXV – Leo A. Whiteside, M.D.

- 10:21 #98 Femoral Taperosis: *A Consequence of Modular Total Hip Designs*
 Joshua J. Jacobs, M.D.

The Revision Femur: A Potpourri of Options

- 10:31 #99 Classification of Femoral Bone Deficiency: *Picking the Right Tool*
 Craig J. Della Valle, M.D.

- 10:37 #100 Femoral Stem Impaction Grafting: *Extending the Role of Cement*
 Fares S. Haddad, M.B., F.R.C.S.
 10:43 #101 The Extensively Porous Coated Femoral Cylinder: *Thirty Years Onward*
 C. Anderson Engh, Jr., M.D.
 10:49 #102 Modular Femoral Components for Complex Revisions
 George J. Haidukewych, M.D.
 10:55 Discussion

SESSION XXVI – George J. Haidukewych, M.D.**The Revision Acetabulum**

- 11:15 #103 Peri-Acetabular Osteolysis: *Cup Retention or Replacement*
 William J. Maloney III, M.D.
 11:21 #104 The Jumbo Cup: *Filling the Voids*
 Kenneth A. Gustke, M.D.
 11:27 #105 The Custom Triflange Cup: *Build it & They Will Come*
 C. Anderson Engh, Jr., M.D.
 11:33 #106 The Present Role of Cages: *"Don't Fence Me In"*
 Allan E. Gross, M.D., F.R.C.S.(C)
 11:39 Discussion

SESSION XXVII – Daniel J. Berry, M.D.**The Multiply Revised Hip: Issues that Matter**

- 11:59 #107 Infection: *A Recurring Slippery Slope*
 Leo A. Whiteside, M.D.
 12:05 #108 Exposure Options: *"Do-Overs" Pose Increasing Challenges*
 C. Anderson Engh, Jr., M.D.
 12:11 #109 Instability: *Causalities & Cures*
 Wayne G. Paprosky, M.D.
 12:17 #110 Bone Loss: *Accommodating a Growing Void*
 Allan E. Gross, M.D., F.R.C.S.(C)
 12:23 #111 Endpoint: *When Arthroplasty is No Longer an Option*
 David G. Lewallen, M.D.
 12:29 Discussion

SESSION XXVIII – John M. Cuckler, M.D.**Tips, Tidbits & Techniques in Hip Reconstruction**

- 12:49 #112 Hip Resurfacing: *For the Right Patient & Surgeon*
 Robert L. Barrack, M.D.
 12:55 #113 Acetabular Cup Placement: *The Elusive Home Run of THA*
 Stephen B. Murphy, M.D.
 1:01 #114 Intraoperative Digital Radiography: *Assuring Component Alignment*
 Brad L. Penenberg, M.D.
 1:07 #115 Hip Abductor Deficiency: *What Can You Do About It?*
 Michael D. Ries, Sc.M., M.D.
 1:13 #116 Femoral Stem Cement Fixation: *Lest We Forget*
 Chitranjan S. Ranawat, M.D.
 1:19 #117 Revision After Modular Neck Fx: *Is Stem Removal Necessary?*
 J. David Blaha, M.D.
 1:25 #118 Management of Ceramic Component Fx's: *Can You Ensure a Safe Return?*
 Gwo-Chin Lee, M.D.
 1:31 #119 Modified Trochanteric Slide for Revision: *Room With a View*
 Allan E. Gross, M.D., F.R.C.S.(C)
 1:37 #120 Removing Well Fixed Cemented Components: *Home in Time for Dinner*
 Wayne G. Paprosky, M.D.
 1:43 #121 The Removal of Extensively Porous Coated Stems
 C. Anderson Engh, Jr., M.D.
 1:49 #122 Burst Femoral Fx's During Revision: *Bale & Nail*
 Hugh U. Cameron, M.B., F.R.C.S.(C)
 1:55 Closure

CLOSING RECEPTION: Ironwood Ballroom

1:55p.m. - 2:55p.m.

MEETING PROCEEDINGS

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

THE **VIDEO PROCEEDINGS** WILL BE MADE AVAILABLE TO EACH PARTICIPANT AND A **DVD OF THE LIVE SURGERIES** SUBSEQUENTLY MAILED.

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COURSE INFORMATION Current Concepts Institute

Dorothy L. Granchi, MBA, Course Coordinator
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REGISTRATION SIGN-IN

May 17, 2015 from 6:00p.m. - 8:00p.m.

May 18 - 20, 2015 from 6:30a.m. - 1:00p.m.

WELCOME RECEPTION

Sunday, May 17, 2015 from 6:00p.m. - 8:00p.m.