

**CURRENT CONCEPTS INSTITUTE**

Cleveland, Ohio

*presents*

**Thirty-Third  
Annual**

**CURRENT  
CONCEPTS  
IN JOINT  
REPLACEMENT<sup>®</sup>**

***Winter 2016***

*Hyatt Regency Grand Cypress*

Orlando, Florida



December 14 - 17, 2016

A Continuing Medical Education Program

*Course Director:*

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

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St. Louis, Missouri

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New York, New York

## 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 and knee replacement.
- Topics delve into a triad of design, patient factors, and technical proficiency responsible for achieving clinical longevity in hip and knee reconstruction.
- 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, and case challenges 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:

- Identify problems, concerns and solutions relevant to primary and revision hip and knee arthroplasty including articulating surface wear, inter-component failure, fractures, infection and bone loss as well as short- 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.
- Appraise evolving surgical techniques and implant technologies through didactic presentation as well as evaluate early and long-term clinical outcomes.

## 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 **23.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## 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 Thursday, December 15, 2016. If you are interested in bringing a case, please **E-Mail** [Info@CCJR.com](mailto:Info@CCJR.com) for submission details.

## DISCLAIMER

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.

## DISCLOSURE STATEMENT

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.

## COURSE LOCATION

Known and awarded for its long-standing grandeur, the course is being held and participants can stay at the **Hyatt Regency Grand Cypress**, a magnificent self-contained 1,500-acre resort paradise with its own 21-acre private white-sand beach front lake. Experience 45 holes of Jack Nicklaus Signature Design golf and explore miles of tropical nature trails for bicycling and jogging. Enjoy the half-acre outdoor pool with 12 waterfalls, two whirlpools, water slide tower pavilion and water jet splash zone. Stay fit at the Hyatt StayFit gym, use the basketball, racquetball and tennis courts; all on property. The guest experience is elevated with perfect serenity and rejuvenation offered at the Marilyn Monroe Spa.

Equally as enchanting, participants can also stay at the **Orlando World Center Marriott**, with out-of-this-world services and stellar amenities that allow participants to retreat to an environment ideal for unwinding. Experience the resort's Falls Pool Oasis, featuring two 200-foot winding water slides, a 90-foot speed slide, kid's splash park and multiple pools. From 18 holes of championship golf and award-winning restaurants, a full-service spa with a variety of treatments, massages and services to the state-of-the-art fitness center, this resort inspires guests. When it's time to rest, retire to modern guest rooms with all of the comforts of home.

Both luxury resorts are located in the very heart of Orlando's most popular theme parks including Walt Disney World, Universal Studios, SeaWorld and LEGOLAND.

Late risers need only turn on the television and tune into the **CCJR** channel to stay current with live meeting proceedings at both properties. Shuttle transportation is provided between the **Orlando World Center Marriott** and the **Hyatt Regency Grand Cypress** during meeting hours.

## HOTEL RESERVATIONS

Both the **Hyatt** and the **Marriott** are offering these special **CCJR** rates. The deadline, **November 16, 2016**, is based on room availability. Reservations must be guaranteed with a credit card for the full stay.

### HYATT REGENCY GRAND CYPRESS

One Grand Cypress Blvd, Orlando, FL 32836 **Tel:** 407-239-1234  
Single / Double Room \$149.00/Night+Tax

### ORLANDO WORLD CENTER MARRIOTT

8701 World Center Drive, Orlando, FL 32821 **Tel:** 407-238-8618  
Single / Double Room \$127.00/Night+Tax

## VISIT ONLINE

[www.CCJR.com/WINTER/accommodations](http://www.CCJR.com/WINTER/accommodations)

## COURSE REGISTRATION

**REGISTER NOW** - A \$50 late fee is applied after **November 14, 2016**. Registration will not be held without payment. Cancellation after **November 14, 2016** is subject to a \$100 penalty and must be received in writing. Registrations are non-refundable after **November 28, 2016**. Registration can be transferred to another individual wishing to attend **CCJR-W16**. Confirmation is sent by e-mail.

## TRAVEL ARRANGEMENTS

### Avis Car Rental

**Internet:** [www.avis.com](http://www.avis.com)

**Tel:** 1-800-331-1600

**AWD Number:** J992905

### United Air Lines

**Internet:** [www.united.com](http://www.united.com)

**Tel:** 1-800-468-7022

**Offer Code:** ZWAE374978

## 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.

# CURRENT CONCEPTS IN JOINT REPLACEMENT® - Winter 2016

## REGISTRATION: Grand Cypress Ballroom Foyer

6:00p.m. - 8:00p.m. Wednesday, December 14

6:30a.m. - 1:00p.m. Thursday-Saturday, December 15-17

## WEDNESDAY, DECEMBER 14, 2016

### WELCOME RECEPTION: Regency Hall

6:00p.m. - 8:00p.m.

## THURSDAY, DECEMBER 15, 2016

6:30a.m. Buffet Breakfast

### Opening Remarks:

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

### SESSION I – Thomas S. Thornhill, M.D.

7:35 #1 Silent Trunnion Corrosion: *What Surgeons Need to Know in 2016*  
Clive P. Duncan, M.D., F.R.C.S.(C)

### Orthopaedic Crossfire® I: Contemporary Hip Technologies, Do They Work?

7:45 Ceramic-Ceramic Bearings in Patients <60 Assures Longevity

#2 Gwo-Chin Lee, M.D. – *Affirms*

#3 Douglas E. Padgett, M.D. – *Opposes*

8:05 The Anterior Approach: *Better, Faster, Safer*

#4 Jose A. Rodriguez, M.D. – *Affirms*

#5 Bryan D. Springer, M.D. – *Opposes*

8:25 The Outpatient THA: *A Paradigm Change*

#6 Keith R. Berend, M.D. – *Affirms*

#7 Jay R. Lieberman, M.D. – *Opposes*

### SESSION II – Robert L. Barrack, M.D.

#### Primary Hip Replacement: What Works & for Whom?

8:45 #8 Crosslinked Polymers: *Enough is Enough*  
C. Anderson Engh, Jr., M.D.

8:52 #9 Cemented Femoral Fixation: *The French Paradox & Beyond*  
Moussa Hamadouche, M.D., Ph.D.

8:59 #10 Not All Cementless Stems are Created Equal: *Is There a Selection Bias?*  
Edwin P. Su, M.D.

9:06 #11 Femoral Neck Modularity: *Both Sides Now*  
Stephen B. Murphy, M.D.

9:13 #12 Acetabular Cup & Liner Options  
David G. Lewallen, M.D.

9:20 #13 Patient Activity Following Arthroplasty: *Will the Above Endure?*  
Thomas P. Schmalzried, M.D.

9:27 Discussion

### SESSION III – Daniel J. Berry, M.D.

9:47 #14 *Performing a Primary Hip Arthroplasty*

Peter J. Brooks, M.D., F.R.C.S.(C)

John C. Clohisy, M.D.

Donald S. Garbuz, M.D., F.R.C.S.(C)

Moussa Hamadouche, M.D., Ph.D.

10:22 Refreshments in the Exhibit Area

### SESSION IV – Fares S. Haddad, M.D., F.R.C.S.

#### Fractures About the Hip: The Confounding, Curious & Commonplace

10:47 #15 Displaced Femoral Neck Fx's in the 50-60 Year Old: *Dilemmas of Choice*  
George J. Haidukewych, M.D.

10:54 #16 When Proximal Femoral Fixation Fails: *Salvage Options*  
William J. Hozack, M.D.

11:01 #17 Pathologic Fx's: *In a Class of Their Own*  
Matthew P. Abdel, M.D., M.S.

11:08 #18 Acetabular Fx's in the Young & Elderly: *The Role of Arthroplasty*  
Bryan D. Springer, M.D.

11:15 #19 Intra-Operative Fx's During THA: *See It Before It Sees You*  
Donald S. Garbuz, M.D., F.R.C.S.(C)

11:22 #20 Peri-Prosthetic Fx's: *Is It a Problem on the Rise?*  
Aaron G. Rosenberg, M.D.

11:29 Discussion

### SESSION V – Clive P. Duncan, M.D., F.R.C.S.(C)

#### Orthopaedic Crossfire® II: Controversial Issues in Hip Arthroplasty

11:49 Why Cut Off Your Head? *Resurface It Instead*

#21 Peter J. Brooks, M.D., F.R.C.S.(C) – *Affirms*

#22 Steven J. MacDonald, M.D., F.R.C.S.(C) – *Opposes*

12:09 The Short Stem: *Proven Solution for ALL Primary Hips*

#23 S. David Stulberg, M.D. – *Affirms*

#24 Lawrence D. Dorr, M.D. – *Opposes*

12:29 Ceramic-XLPE in Patients <60: *The New Standard*

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

#26 Thomas P. Schmalzried, M.D. – *Opposes*

12:49 #27 OREF/CCJR Clinical Award Paper  
Denis Nam, M.D.

12:59 Lunch

### SESSION VI – Joshua J. Jacobs, M.D.

#### The Difficult Primary: Pathologies that Bedevil

1:59 #28 Obesity in THA: *Does It Matter?*  
Richard E. Jones, M.D.

2:06 #29 The Dysplastic Hip: *Not for the Shallow Surgeon*  
John C. Clohisy, M.D.

2:13 #30 Acetabular Protrusion: *Avoiding the Deep*  
Kenneth A. Gustke, M.D.

2:20 #31 The Down Syndrome Patient: *Not a Downer*  
John J. Callaghan, M.D.

2:27 #32 Neurovascular Challenged Patients: *The Untouchables?*  
Clive P. Duncan, M.D., F.R.C.S.(C)

2:34 #33 Osteonecrosis: *Is It an Arthroplasty Solution?*  
Richard Iorio, M.D.

2:41 Discussion

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

3:01 #34 *What Would YOU do? Challenges in Hip Surgery*

Hugh U. Cameron, M.B., F.R.C.S.(C)

Lawrence D. Dorr, M.D.

C. Anderson Engh, Jr., M.D.

Stephen B. Murphy, M.D.

Bryan D. Springer, M.D.

3:36 Refreshments in the Exhibit Area

### SESSION VIII – Mark W. Pagnano, M.D.

4:01 #35 Hip Joint Preservation: *Avoiding or Deferring Arthroplasty*  
John C. Clohisy, M.D.

#### Hip Arthroplasty: Avoiding Pitfalls & Managing Problems

4:11 #36 Pre-Operative Planning: *Lest We Forget*  
Chitranjan S. Ranawat, M.D.

4:18 #37 I-Robot: *Helping Assure Outcome in the Complex Primary Hip*  
Douglas E. Padgett, M.D.

4:25 #38 Blood Conservation: *Pre, Peri & Post-Operative Strategies*  
Matthew J. Kraay, M.D.

4:32 #39 Post-Surgical Neuropathy: *Consequences & Treatment*  
William J. Hozack, M.D.

4:39 #40 DVT Prophylaxis: *Risk Stratification Solutions*  
Javad Parvizi, M.D., F.R.C.S.

4:46 #41 Metal-Metal Hip Replacement: *Monitoring & Managing the Returns*  
Joshua J. Jacobs, M.D.

4:53 Discussion

**SESSION IX – Lawrence D. Dorr, M.D.****Recurrent Dislocation: The Most Common Indication for Revision THA**

- 5:13 #42 Causes of Hip Instability: *An Algorithmic Approach to Treatment*  
Craig J. Della Valle, M.D.
- 5:20 #43 The 36mm Femoral Head, One Size Fits All: *Problem Solved?*  
Adolph V. Lombardi, Jr., M.D.
- 5:27 #44 Constrained Liners: *Yesterday's Solution?*  
Thomas P. Sculco, M.D.
- 5:34 #45 The Dual Mobility Cup: *A Long Term Solution*  
Moussa Hamadouche, M.D., Ph.D.
- 5:41 #46 Intra-Operative Digital Imaging: *Assuring Component Alignment*  
Robert L. Barrack, M.D.
- 5:48 #47 Overcoming Abductor Deficiency: *A Soft Tissue Solution*  
Leo A. Whiteside, M.D.
- 5:55 Discussion
- 6:15 Adjournment

**EXHIBITORS' RECEPTION: Regency Hall**

6:15p.m.-7:30p.m.

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

- 7:30 #48 **WALKING WITH GIANTS® ASK THE EXPERTS**  
**- Participant-Presented Problem Cases**  
Daniel J. Berry, M.D.  
Fares S. Haddad, M.D., F.R.C.S.  
Wayne G. Paprosky, M.D.  
Aaron G. Rosenberg, M.D.
- 8:30 Adjournment

**FRIDAY, DECEMBER 16, 2016**

6:30a.m. Buffet Breakfast

**SESSION XI – Leo A. Whiteside, M.D.****The Revision Femur: A Potpourri of Options**

- 7:30 #49 Classifying Femoral Bone Deficiency: *Choosing the Right Implant*  
Wayne G. Paprosky, M.D.
- 7:37 #50 Femoral Stem Impaction Grafting: *Extending the Role of Cement*  
Javad Parvizi, M.D., F.R.C.S.
- 7:44 #51 A Modular Metaphyseal Sleeve: *A Long Term Straight Stem Solution*  
Hugh U. Cameron, M.B., F.R.C.S.(C)
- 7:51 #52 Tapered Modular Stems: *A Versatile Option*  
William J. Hozack, M.D.
- 7:58 #53 Femoral Stem Modularity: *How I Kicked the Habit*  
Jose A. Rodriguez, M.D.
- 8:05 #54 Monobloc or Modular Revision Stems: *How Do I Decide?*  
Clive P. Duncan, M.D., F.R.C.S.(C)
- 8:12 Discussion

**SESSION XII – John J. Callaghan, M.D.**

- 8:32 #55 Bone Grafts & Their Substitutes: *Understanding the Three O's*  
Joshua J. Jacobs, M.D.

**The Revision Acetabulum**

- 8:42 #56 The Jumbo Cup: *The Workhorse of the Acetabular Revision*  
C. Anderson Engh, Jr., M.D.
- 8:49 #57 Highly Porous Shells & Augments: *Big Hopes for Big Holes*  
David G. Lewallen, M.D.
- 8:56 #58 The Custom Acetabular Component: *The 3D Printed Solution*  
Javad Parvizi, M.D., F.R.C.S.
- 9:03 #59 The Triflange Cup: *Build It & They Will Wait*  
Keith R. Berend, M.D.
- 9:10 #60 Acetabular Distraction: *An Alternative Approach for Pelvic Discontinuity*  
Wayne G. Paprosky, M.D.
- 9:17 #61 Massive Acetabular Deficiency: *The Cage Solution*  
Allan E. Gross, M.D., F.R.C.S.(C)
- 9:24 Discussion

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

- 9:44 #62 **Hip & Knee Arthroplasty 2016: What's New, What's True, Does it Matter? Evidence Based Issues**  
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.  
Matthew J. Kraay, M.D.  
Michael A. Mont, M.D.  
Thomas P. Schmalzried, M.D.  
Edwin P. Su, M.D.
- 10:19 Refreshments in the Exhibit Area

**SESSION XIV – Robert T. Trousdale, M.D.****Orthopaedic Crossfire® III: Re-Examining Hip & Knee Arthroplasty Technologies**

- 10:44 Avoiding Instability: *The Transtrochanteric Approach*  
#63 Moussa Hamadouche, M.D., Ph.D. – *Affirms*  
#64 Matthew P. Abdel, M.D., M.S. – *Opposes*
- 11:04 Neutral Mechanical Alignment: *Stickin' With the One that Brung Ya!*  
#65 Chitranjan S. Ranawat, M.D. – *Affirms*  
#66 Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D. – *Opposes*
- 11:24 The Cementless TKA: *It's About Time*  
#67 Leo A. Whiteside, M.D. – *Affirms*  
#68 John J. Callaghan, M.D. – *Opposes*

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

- 11:44 #69 The Causes of TKA Failure: *Avoiding Your Next Revision*  
Thomas S. Thornhill, M.D.

**Compartmental Knee Disease: Solution Options**

- 11:54 #70 Cartilage Repair: *A Realistic or Forestalling Option?*  
Allan E. Gross, M.D., F.R.C.S.(C)
- 12:00 #71 Knee Braces 2016: *A Growing Appreciation of Benefit*  
Michael A. Mont, M.D.
- 12:06 #72 Distal Femoral Osteotomy: *Unloading the Lateral Compartment*  
Peter J. Brooks, M.D., F.R.C.S.(C)
- 12:12 #73 Proximal Tibial Osteotomy: *Unloading the Medial Compartment*  
Mark W. Pagnano, M.D.
- 12:18 #74 The Medial Uni-Compartment Alternative: *Fixed or Mobile?*  
Craig J. Della Valle, M.D.
- 12:24 #75 Isolated Patello-Femoral Replacement: *A Third Compartment Solution*  
Aaron A. Hofmann, M.D.
- 12:30 #76 The Tri-Compartment Solution: *Just Read the Literature*  
Steven J. MacDonald, M.D., F.R.C.S.(C)
- 12:36 Discussion
- 12:56 Lunch

**SESSION XVI – Bryan D. Springer, M.D.****Management Factorials in Primary TKA: Ensuring a Winner!**

- 1:56 #77 Improving Patient Satisfaction After TKA: *Restoring Nature's Geometry*  
Jose A. Rodriguez, M.D.
- 2:03 #78 Correcting Severe Varus Deformity: *Unbowed*  
Arun Mullaji, F.R.C.S.(Ed), M.S.
- 2:10 #79 Correcting Severe Valgus Deformity: *Taking Out the Knock*  
Steven B. Haas, M.D.
- 2:17 #80 Assuring Soft Tissue Balance: *The Use of Smart Trials*  
Kenneth A. Gustke, M.D.
- 2:24 #81 Peri-Operative Pain Management: *Assuring a Happy Patient*  
Richard Iorio, M.D.
- 2:31 #82 Simultaneous Bilateral TKA: *Does it Have a Place?*  
Thomas P. Sculco, M.D.
- 2:38 Discussion

**SESSION XVII – Adolph V. Lombardi, Jr., M.D.**

- 3:03 #83 **What Would YOU Do? Challenges in Knee Surgery**  
Richard Iorio, M.D.  
Richard E. Jones, M.D.  
Gwo-Chin Lee, M.D.  
Douglas E. Padgett, M.D.  
Thomas S. Thornhill, M.D.
- 3:38 Refreshments in the Exhibit Area

**SESSION XVIII – Thomas P. Sculco, M.D.****Orthopaedic Crossfire® IV: Controversies in Knee Arthroplasty**

- 4:03 The Cemented All Poly Tibia in the Active <60 Patient  
 #84 Robert T. Trousdale, M.D. – *Affirms*  
 #85 Aaron A. Hofmann, M.D. – *Opposes*
- 4:23 The Bi-Cruciate Retaining Knee: *A Bridge Too Far*  
 #86 Mark W. Pagnano, M.D. – *Affirms*  
 #87 Adolph V. Lombardi, Jr., M.D. – *Opposes*
- 4:43 Patella Resurfacing: *Rarely, if Ever, Necessary*  
 #88 Robert L. Barrack, M.D. – *Affirms*  
 #89 Steven B. Haas, M.D. – *Opposes*

**SESSION XIX – Javad Parvizi, M.D., F.R.C.S.****The Infected Knee Arthroplasty: Bugs, Drugs & Solution Options**

- 5:03 #90 Minimizing Infection Risk: *A Peri-Operative Checklist*  
 Gwo-Chin Lee, M.D.
- 5:09 #91 Diagnosing Infection: *Pathways to Progress 2016*  
 Fares S. Haddad, M.D., F.R.C.S.
- 5:15 #92 Antibiotic Infusion: *Single Stage Solution for the Infected Cementless Knee*  
 Leo A. Whiteside, M.D.
- 5:21 #93 An “Inadvertent” One Stage Solution  
 Donald S. Garbuz, M.D., F.R.C.S.(C)
- 5:27 #94 The Two Stage Standard: *Techniques, Timing & Statistics*  
 Daniel J. Berry, M.D.
- 5:33 #95 Wound Healing Problems: *A Knee is Not a Hip*  
 Jay R. Lieberman, M.D.
- 5:39 Remits & Recommendations  
 5:59 Adjournment

**EXHIBITOR SATELLITE EVENTS**

6:00p.m.- 8:00p.m.

**SATURDAY, DECEMBER 17, 2016**

6:30a.m. Buffet Breakfast

**SESSION XX – David G. Lewallen, M.D.**

- 7:30 #96 Gain Sharing in Bundled Payment TJA:  
*The Requisite of Surgeon Leadership*  
 Stephen B. Murphy, M.D.

**Problems After Knee Arthroplasty: “Things that go Bump in the Night”**

- 7:40 #97 Pre & Post-Operative Opioid Use: *A Clear & Present Problem*  
 John J. Callaghan, M.D.
- 7:47 #98 The Painful Knee: *Diagnosis & Deliverance*  
 Kelly G. Vince, M.D., F.R.C.S.(C)
- 7:54 #99 The Stiff Knee: *Etiology & Treatment Options*  
 Edwin P. Su, M.D.
- 8:01 #100 Peri-Prosthetic Fx’s: *Repair or Replace*  
 George J. Haidukewych, M.D.
- 8:08 #101 Problems & Solutions of the Extensor Mechanism  
 C. Anderson Engh, Jr., M.D.
- 8:15 Discussion

**SESSION XXI – Thomas S. Thornhill, M.D.****Orthopaedic Crossfire® V: Still More Controversies in Knee Arthroplasty**

- 8:35 Knee Navigation: *Lost in Space*  
 #102 Robert T. Trousdale, M.D. – *Affirms*  
 #103 Arun Mullaji, F.R.C.S.(Ed), M.S. – *Opposes*
- 8:55 The Medial Stabilized Knee: *The “Post-Cam” Replacement*  
 #104 Fares S. Haddad, M.D., F.R.C.S. – *Affirms*  
 #105 Chitranjan S. Ranawat, M.D. – *Opposes*
- 9:15 The Tourniquetless TKA: *Let It Bleed*  
 #106 Robert L. Barrack, M.D. – *Affirms*  
 #107 Keith R. Berend, M.D. – *Opposes*

**SESSION XXII – Steven B. Haas, M.D.****Revision Knee Arthroplasty: Doin’ the Right Thing**

- 9:35 #108 Planning Your Next Revision: *Step by Step*  
 Douglas E. Padgett, M.D.
- 9:42 #109 Exposure Options for the Revision Knee: *Getting There Safely*  
 Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.
- 9:49 #110 Instability After TKA: *Causes & Cures*  
 Russell E. Windsor, M.D.
- 9:56 #111 UKA to TKA: *Is It as Good as a Primary Result?*  
 Craig J. Della Valle, M.D.
- 10:03 #112 Metaphyseal Cones for Severe Bone Loss: *When Only Metal Will Do*  
 David G. Lewallen, M.D.
- 10:10 #113 The Hinge: *A Simple Solution for a Complex Problem*  
 George J. Haidukewych, M.D.
- 10:17 Discussion  
 10:37 Refreshments in the Exhibit Area

**SESSION XXIII – Daniel J. Berry, M.D.****The Multiply Revised Knee Arthroplasty: End Game**

- Kenneth A. Gustke, M.D.  
 Aaron A. Hofmann, M.D.  
 Kelly G. Vince, M.D., F.R.C.S.(C)  
 Russell E. Windsor, M.D.

**SESSION XXIV – Thomas P. Schmalzried, M.D.****Tips, Techniques & Technologies in Knee & Hip Reconstruction, “A Baker’s Dozen”**

- 11:37 #115 Nano-Texturing of Bio-Interfaces: *What They Portend in TJA*  
 Edwin P. Su, M.D.
- 11:43 #116 TJA in the Super Elderly: *Indications & Management*  
 S. David Stulberg, M.D.
- 11:49 #117 Avoiding Patella Problems in TKA: *Do’s & Don’ts*  
 Richard E. Jones, M.D.
- 11:55 #118 Alignment in TKA: *Getting Our Ducks in a Row*  
 Kelly G. Vince, M.D., F.R.C.S.(C)
- 12:01 #119 The Humble Toothbrush: *A Disruptive Technology for Cemented TKA*  
 Arun Mullaji, F.R.C.S.(Ed), M.S.
- 12:07 #120 Extensor Mechanism Deficiency: *A Synthetic Mesh Approach*  
 Matthew P. Abdel, M.D., M.S.
- 12:13 #121 Getting Out the Well-Fixed Knee: *A Seamless Solution*  
 Kenneth A. Gustke, M.D.
- 12:19 #122 Heterotopic Bone: *Prevention & Treatment*  
 Michael A. Mont, M.D.
- 12:25 #123 Hip Fusion Takedown: *Why & How*  
 Hugh U. Cameron, M.B., F.R.C.S.(C)
- 12:31 #124 Osteolysis in the Well-Fixed Socket: *Retain or Replace?*  
 Jay R. Lieberman, M.D.
- 12:37 #125 Removal of the Well-Fixed Cemented Stem  
 Matthew J. Kraay, M.D.
- 12:43 #126 Antibiotic Spacers in the Infected Hip: *Optimizing Placement*  
 Javad Parvizi, M.D., F.R.C.S.
- 12:49 #127 Trabecular Metal Augments for Acetabular Revision: *A “How To”*  
 Allan E. Gross, M.D., F.R.C.S.(C)
- 12:55 Closure

**CLOSING LUNCH**

12:55p.m. – 1:55p.m.

**MEETING PROCEEDINGS**

A THUMB DRIVE CONTAINING THE AUDIO MP3 RECORDINGS AS WELL AS A PDF OF THE ABSTRACT BOOK WILL BE GIVEN TO EACH PARTICIPANT DURING THE CLOSING LUNCH.

THE VIDEO PROCEEDINGS WILL BE MADE AVAILABLE TO EACH PARTICIPANT FOLLOWING THE MEETING AT [www.CCJR.com](http://www.CCJR.com).

PAST PROGRAMS CAN ALSO BE VIEWED AT [www.CCJR.com](http://www.CCJR.com).

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**Pacira Pharmaceuticals**  
**Sage Products LLC**  
**Sectra**  
**Shanghai Bojin Electric Instrument & Device Co., Ltd.**  
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**ZipLine Medical, Inc.**

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## **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.

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## WELCOME RECEPTION

Sign-in, Badge and Course Material Pickup

Wednesday, December 14, 2016 from 6:00p.m. - 8:00p.m.

Additional Registration Hours on

December 15 - 17, 2016 from 6:30a.m. - 1:00p.m.

## REGISTRATION INFORMATION

**COURSE PRE-REGISTRATION DEADLINE: November 14, 2016**

Course Fee may be paid by Credit Card or

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- Registration received after **November 14, 2016** is subject to a \$50 late fee •
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  - No refund will be granted after **November 28, 2016** •
- Transfer to another individual wishing to attend **CCJR-W16** only •
  - Confirmation is sent by e-mail •

## COURSE INFORMATION

### Current Concepts Institute

Dorothy L. Granchi, MBA, Course Coordinator

2310 Superior Avenue East, Suite 100, Cleveland, Ohio 44114 - USA

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