
CURRENT CONCEPTS INSTITUTE

presents

*Thirty-Fifth
Annual*

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

Winter 2018

Hyatt Regency Grand Cypress

Orlando, Florida



December 12 - 15, 2018

A Continuing Medical Education Program

Course Director:

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

FACULTY

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New Albany, Ohio

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Midwest Center for Joint Replacement
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Rochester, Minnesota

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Jefferson Health 3B Orthopaedics
Philadelphia, Pennsylvania

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Colorado Joint Replacement
Denver, Colorado

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Chicago, Illinois

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OrthoCarolina Hip & Knee Center
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Harvard Medical School
Boston, Massachusetts

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Whangarei Hospital
Whangarei, New Zealand

Leo A. Whiteside, M.D.
Missouri Bone & Joint Center
St. Louis, Missouri

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 as well as the associated *economics* of hip and knee reconstructive procedures.

- 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 interactive sessions 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 and knee arthroplasty including polyethylene wear, taper corrosion, 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 and knee arthroplasty failure where revision is an endpoint and understand the contributory roles of bone loss, soft tissue deficiency, and infection.

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

FOCUSED FACULTY-PARTICIPANT BREAKOUTS

Intimate concurrent sessions to provide **CCJR** participants an opportunity to directly interact with faculty experts.

Seating is limited and on a first-come, first-served basis.

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.

HOTEL RESERVATIONS

Both the **Hyatt** and the **Marriott** are offering special **CCJR** rates. The deadline, **November 19, 2018**, 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 \$131.00/Night+Tax

VISIT ONLINE

www.CCJR.com/WINTER/accommodations

COURSE REGISTRATION

REGISTER NOW - A \$50 late fee is applied after **November 12, 2018**. Registration will not be held without payment. Cancellation after **November 12, 2018** is subject to a \$100 penalty and must be received in writing. Registrations are non-refundable after **November 26, 2018**. Registration can be transferred to another individual wishing to attend **CCJR-W18**. Confirmation is sent by e-mail.

TRAVEL ARRANGEMENTS

CCJR has partnered with several providers for air and ground transportation. Additional information and codes can be found at the official **CCJR** website.

BOOKING TRAVEL: www.CCJR.com/WINTER/accommodations

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 2018

REGISTRATION: Grand Cypress Ballroom Foyer

6:00p.m. - 8:00p.m. Wednesday, December 12

6:30a.m. - 1:00p.m. Thursday-Saturday, December 13 - 15

WEDNESDAY, DECEMBER 12, 2018

WELCOME RECEPTION: Regency Hall

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

THURSDAY, DECEMBER 13, 2018

6:30a.m. Buffet Breakfast

Opening Remarks:

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

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

7:35 #1 Operating Room Efficiencies During TJA: *Be All You Can Be*
Adolph V. Lombardi, Jr., M.D.

Orthopaedic Crossfire® I: Emerging TJA Technologies - Changing Paradigms

7:45 Simulation Training: *This is the Future*

#2 Kenneth A. Gustke, M.D. – *Affirms*

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

8:05 Outpatient TJA Surgery: *The Best Sum of All Things*

#4 Keith R. Berend, M.D. – *Affirms*

#5 Alejandro Gonzalez Della Valle, M.D. – *Opposes*

8:25 Patient Specific TKA Provides Improved Satisfaction

#6 Mary I. O'Connor, M.D. – *Affirms*

#7 David G. Lewallen, M.D. – *Opposes*

SESSION II – C. Anderson Engh, Jr., M.D.

Primary Hip Replacement: What Works & for Whom?

8:45 #8 Patient Selection: *The Do's, the Don'ts & the Maybe's*
Thomas P. Schmalzried, M.D.

8:51 #9 Biomechanics of Primary THA
Scott M. Sporer, M.D.

8:57 #10 Hip Resurfacing 2018: *Another Look*
Peter J. Brooks, M.D., F.R.C.S.(C)

9:03 #11 The Short Stem: *What are the Advantages?*
Martin A. Buttarro, M.D.

9:09 #12 Stem Fixation: *To Cement or Not?*
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.

9:15 #13 Articulations of Choice: *Assuring Longevity*
Kevin L. Garvin, M.D.

9:21 Discussion

SESSION III – Wayne G. Paprosky, M.D.

Fractures About the Hip: The Confounding, Curious & Commonplace

9:41 #14 Displaced Femoral Neck *Fx's: Current Management*
Tad M. Mabry, M.D.

9:47 #15 When ORIF of Proximal Femoral *Fx's* Fails: *Salvage Options*
George J. Haidukewych, M.D.

9:53 #16 Acetabular *Fx's* in the Young & Elderly
Bryan D. Springer, M.D.

9:59 #17 Pathological *Fx's: Principles of Management*
Mary I. O'Connor, M.D.

10:05 #18 Intra-Operative *Fx's* During THA: *A Problem on the Rise*
Donald S. Garbuz, M.D., F.R.C.S.(C)

10:11 #19 Peri-Prosthetic *Fx's: Fix or Replace?*
C. Anderson Engh, Jr., M.D.

10:17 Discussion

10:37 Refreshments in the Exhibit Area

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

Orthopaedic Crossfire® II: Controversial Issues in Hip Arthroplasty

11:07 The Anterior Approach: *Better, Faster, Cost Effective*

#20 William G. Hamilton, M.D. – *Affirms*

#21 R. Michael Meneghini, M.D. – *Opposes*

11:27 Dual Mobility: *First "Choice" for the High Risk Primary & Recurrent Dislocator*

#22 Kevin L. Garvin, M.D. – *Affirms*

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

11:47 Metal Sensitivity: *A Clinical Bridge Too Far*

#24 Joshua J. Jacobs, M.D. – *Affirms*

#25 Leo A. Whiteside, M.D. – *Opposes*

SESSION V – Keith R. Berend, M.D.

12:07 #26 *Dispelling Dogma: The End of Magical Thinking*

Paul F. Lachiewicz, M.D.

Jay R. Lieberman, M.D.

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

Aaron G. Rosenberg, M.D.

12:37 Lunch

SESSION VI – William G. Hamilton, M.D.

1:37 #27 Early Prophylactic Intervention: *Avoiding or Deferring Arthroplasty*
Gwo-Chin Lee, M.D.

The Difficult Primary: Pathologies that Bedevil

1:47 #28 THA in Hip Dysplasia: *Effectively Managing the Technical Challenges*
Daniel J. Berry, M.D.

1:53 #29 Obesity & Comorbidity: *How are Patient Outcomes Affected?*
Fred D. Cushner, M.D.

1:59 #30 Acetabular Protrusion: *A Problem in Depth*
Kenneth A. Gustke, M.D.

2:05 #31 Osteonecrosis: *Early & Late Stage Solutions*
Jay R. Lieberman, M.D.

2:11 #32 Neuromuscularly Challenged Patients: *In a Class of Their Own*
Denis Nam, M.D.

2:17 #33 Hip Fusion Takedown: *The Why, the How, the Outcomes*
Allan E. Gross, M.D., F.R.C.S.(C)

2:23 Discussion

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

2:43 #34 *What Would YOU do? Challenges in Hip Surgery*

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

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

R. Michael Meneghini, M.D.

Douglas D.R. Naudie, M.D., F.R.C.S.(C)

Scott M. Sporer, M.D.

SESSION VIII – Jay R. Lieberman, M.D.

Hip Arthroplasty: Avoiding Pitfalls & Managing Problems

3:13 #35 Optimal Planning & Execution: *Moving the Yardsticks*
Stephen B. Murphy, M.D.

3:19 #36 The Influence of Bone Quality on Implant, Approach & Fixation
Denis Nam, M.D.

3:25 #37 Blood Conservation Strategies: *The Impact of TXA*
Thomas P. Schmalzried, M.D.

3:31 #38 Multimodal Pain Protocols: *Assuring a Happy Patient*
Gwo-Chin Lee, M.D.

3:37 #39 DVT Prophylaxis: *Think of the Old Aspirin*
Javad Parvizi, M.D., F.R.C.S.

3:43 #40 Hip Instability: *Causes & Management*
Stephen A. Jones, M.B., F.R.C.S.

3:49 Discussion

4:09 #41 **OREF/CCJR Clinical Award Paper**

Jeffrey B. Stambough, M.D.

EXHIBITORS' RECEPTION: Regency Hall

4:20p.m. - 5:30p.m.

FOCUSED FACULTY-PARTICIPANT BREAKOUTS

Intimate, concurrent sessions for **CCJR** participants to directly interact with faculty experts.

Seating is limited and on a first-come, first-served basis.

5:30pm - 6:30pm

Palm

SESSION IX – Daniel J. Berry, M.D.

5:30 #42 *Primary Hip Reconstruction*

Peter J. Brooks, M.D., F.R.C.S.(C)
Martin A. Buttarro, M.D.
Alejandro Gonzalez Della Valle, M.D.
William G. Hamilton, M.D.

Poinciana

SESSION X – Robert L. Barrack, M.D.

5:30 #43 *Patient Dissatisfaction Following TKA*

Douglas A. Dennis, M.D.
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.
Bryan D. Springer, M.D.
Kelly G. Vince, M.D., F.R.C.S.(C)

Magnolia

SESSION XI – Mary I. O'Connor, M.D.

5:30 #44 *Gain Sharing & the Bundled Payment Alternative*

C. Anderson Engh, Jr., M.D.
R. Michael Meneghini, M.D.
Stephen B. Murphy, M.D.
Douglas E. Padgett, M.D.

6:30 Adjournment

FRIDAY, DECEMBER 14, 2018

6:30a.m. Buffet Breakfast

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

Achieving Optimal Cup Placement: Avoiding Dislocation Early & Late

7:30 #45 Pelvic & Spine Relationships: *What Every Hip Surgeon Should Know*
Douglas A. Dennis, M.D.

7:36 #46 The Limited Reliability of the Safe Zone
Mark W. Pagnano, M.D.

7:42 #47 Optimizing Leg Length & Cup Position: *A Surgical Smart Tool*
Wayne G. Paprosky, M.D.

7:48 #48 A Hand Held Navigation Solution: *Ensuring the Sweet Spot*
Edwin P. Su, M.D.

7:54 #49 *Intra-Op Imaging Assures Pre-Op Cup & Stem Position Planning*
Robert L. Barrack, M.D.

8:00 Discussion

SESSION XIII – David G. Lewallen, M.D.

8:20 #50 The Asymptomatic & Painful THA: *A Monitoring & Intervention Protocol*
Steven J. MacDonald, M.D., F.R.C.S.(C)

The Revision Femur

8:30 #51 A Historic, Highly Polished, Tapered Alternative: *One Design Fits All*
Stephen A. Jones, M.B., F.R.C.S.

8:36 #52 Cemented Femoral Stem Fixation: *What Problems Does it Solve?*
Bryan D. Springer, M.D.

8:42 #53 The Non-Modular, Tapered, Fluted Stem: *Our Almost 100% Revision Solution*
Donald S. Garbuz, M.D., F.R.C.S.(C)

8:48 #54 The Modular Stem: *The Right Implant for the Difficult Revision*
Adolph V. Lombardi, Jr., M.D.

8:54 Discussion

SESSION XIV – Leo A. Whiteside, M.D.

The Revision Acetabulum: A Potpourri of Options

9:14 #55 Peri-Acetabular Osteolysis: *Cup Retention or Replacement*
C. Anderson Engh, Jr., M.D.

9:20 #56 Classifying Acetabular Bone Deficiency: *Implant Solution Options*
Wayne G. Paprosky, M.D.

9:26 #57 The Jumbo Cup: *Cementless Solution for Acetabular Bone Loss*
Paul F. Lachiewicz, M.D.

9:32 #58 Porous Metal Acetabular Augments: *When the Jumbo Cup Isn't Enough*
George J. Haidukewych, M.D.

9:38 #59 An Impaction Grafting Cement Alternative: *Recreating a Contained Defect*
Alejandro Gonzalez Della Valle, M.D.

9:44 #60 The Role of Cages in Acetabular Revision
Allan E. Gross, M.D., F.R.C.S.(C)

9:50 Discussion

10:10 Refreshments in the Exhibit Area

SESSION XV – Paul F. Lachiewicz, M.D.

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

10:40 The Cup Cage Construct: *Preferred Solution for Pelvic Discontinuity*
#61 Matthew P. Abdel, M.D. – *Affirms*

#62 Douglas A. Dennis, M.D. – *Opposes*

11:00 The Tourniquetless TKA: *A Miraculous Conversion*

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

#64 Robert E. Booth, Jr., M.D. – *Opposes*

11:20 The Primary Modular Tibia: *Regardless of Age & BMI*

#65 Aaron A. Hofmann, M.D. – *Affirms*

#66 Michael E. Berend, M.D. – *Opposes*

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

11:40 #67 *Hip & Knee Arthroplasty 2018: What's New, What's True, Does it Matter? Evidence Based Issues*

Fred D. Cushner, M.D.

Kevin L. Garvin, M.D.

Joshua J. Jacobs, M.D.

Tad M. Mabry, M.D.

Mark W. Pagnano, M.D.

12:10 Lunch

SESSION XVII – Aaron A. Hofmann, M.D.

1:10 #68 Biologic Therapies 2018: *Facts, Fictions & Costs*
Aaron G. Rosenberg, M.D.

Compartmental Knee Disease: Solution Options

1:20 #69 Medical Management of the Arthritic Patient: *Lest We Forget*
S. David Stulberg, M.D.

1:26 #70 Realignment Osteotomy with Cartilage Repair: *Avoiding Arthroplasty*
Allan E. Gross, M.D., F.R.C.S.(C)

1:32 #71 The Medial Uni-Compartment Alternative: *When Less is More*
Douglas D.R. Naudie, M.D., F.R.C.S.(C)

1:38 #72 Localized Patello-Femoral Arthritis: *A Third Compartment Solution*
Alejandro Gonzalez Della Valle, M.D.

1:44 #73 The Lateral Uni: *Don't Forget, You Can Also Go Outside*
Michael E. Berend, M.D.

1:50 #74 The Tri-Compartment Solution: *Stickin' With the One That Brung Ya!*
William G. Hamilton, M.D.

1:56 Discussion

SESSION XVIII – Steven B. Haas, M.D.

2:16 #75 The Causes of Modern TKA Failure: *Avoiding Your Next Revision*
Douglas E. Padgett, M.D.

Management Factorials in Primary TKA: Ensuring a Winner!

2:26 #76 Prior & Acute Tibial Plateau Fx's: *When is TKA an Option?*
Matthew P. Abdel, M.D.

2:32 #77 Which Implant Do I Pick: *Form Follows Function*
Jose A. Rodriguez, M.D.

2:38 #78 Achieving Alignment in TKA: *A Potpourri of Options*
Michael J. Dunbar, M.D., F.R.C.S.(C), Ph.D.

- 2:44 #79 Irrigation Options in TKA: *Are They Worth the Candle?*
Scott M. Sporer, M.D.
- 2:50 #80 Advancing Suture Technologies in TKA: *Stitches in Time*
Denis Nam, M.D.
- 2:56 #81 Post-Acute Care After TKA: *The Emerging Role of Surface Sensors*
S. David Stulberg, M.D.
- 3:02 Discussion

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

- 3:22 #82 **What Would YOU Do? Challenges in Knee Surgery**
Keith R. Berend, M.D.
Aaron A. Hofmann, M.D.
Richard E. Jones, M.D.
Arun Mullaji, F.R.C.S.(Ed), M.S.
Thomas S. Thornhill, M.D.
- 3:52 Refreshments in the Exhibit Area

SESSION XX – Robert E. Booth, Jr., M.D.

Orthopaedic Crossfire® IV: Controversies in Knee Arthroplasty

- 4:22 Patella Resurfacing: *Rarely, If Ever Necessary*
#83 Robert L. Barrack, M.D. – *Affirms*
#84 Steven B. Haas, M.D. – *Opposes*
- 4:42 The Cementless Tibia: *A Viable Fixation Alternative*
#85 R. Michael Meneghini, M.D. – *Affirms*
#86 Gwo-Chin Lee, M.D. – *Opposes*
- 5:02 Robotic Assisted TKA: *A Bridge Too Far*
#87 Steven J. MacDonald, M.D., F.R.C.S.(C) – *Affirms*
#88 Fares S. Haddad, M.D., F.R.C.S. – *Opposes*

SESSION XXI – Thorsten Gehrke, M.D. & Javad Parvizi, M.D., F.R.C.S.

- 5:22 #89 **2018 Infection Consensus: Drugs, Bugs & Solution Options**
Daniel J. Berry, M.D.
Fares S. Haddad, M.D., F.R.C.S.
Stephen A. Jones, M.B., F.R.C.S.
Leo A. Whiteside, M.D.
- 6:02 Adjournment

EXHIBITOR SYMPOSIA & BIOSKILLS

6:05p.m. - 8:00p.m.

SATURDAY, DECEMBER 15, 2018

6:30a.m. Buffet Breakfast

SESSION XXII – Douglas A. Dennis, M.D.

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

- 7:30 #90 Preventing Wound Complications: *A Knee is Not a Hip*
Fred D. Cushner, M.D.
- 7:36 #91 The Knee That Won’t Straighten: *Causalities & Management*
Edwin P. Su, M.D.
- 7:42 #92 Recurrent Haemarthrosis: *Raining on Your Parade*
Joshua J. Jacobs, M.D.
- 7:48 #93 The Management of Extensor Mechanism Complications
Kelly G. Vince, M.D., F.R.C.S.(C)
- 7:54 #94 The Unstable Knee: *Manifestations, Reasons & Corrective Actions*
Steven B. Haas, M.D.
- 8:00 #95 Peri-Prosthetic Femoral Fr’s: *When to Repair or Replace*
George J. Haidukewych, M.D.
- 8:06 Discussion

SESSION XXIII – Daniel J. Berry, M.D.

Orthopaedic Crossfire® V: Still More Controversies in Knee Arthroplasty

- 8:26 *Extra-Articular Deformity is Always Correctable Intra-Articularly*
#96 Jose A. Rodriguez, M.D. – *Affirms*
#97 Robert E. Booth, Jr., M.D. – *Opposes*
- 8:46 DAIR: *An Emerging Solution for PJI*
#98 Fares S. Haddad, M.D., F.R.C.S. – *Affirms*
#99 Mark W. Pagnano, M.D. – *Opposes*

- 9:06 Simultaneous Bilateral TKA: *Double Trouble*
#100 Javad Parvizi, M.D., F.R.C.S. – *Affirms*
#101 Bryan D. Springer, M.D. – *Opposes*

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

- 9:26 #102 Bone Loss Management in Revision TKA: *A Potpourri of Options*
David G. Lewallen, M.D.

Revision Knee Arthroplasty: Doin’ the Right Thing

- 9:36 #103 UKA to TKA: *Is it as Good as a Primary Result?*
Arun Mullaji, F.R.C.S.(Ed), M.S.
- 9:42 #104 Exposure Options: *Factors Dictating the Pathway*
Kelly G. Vince, M.D., F.R.C.S.(C)
- 9:48 #105 The Optimal Use of Stems
Douglas D.R. Naudie, M.D., F.R.C.S.(C)
- 9:54 #106 Metaphyseal Cones for Large Bone Defects: *A Time & A Place*
Robert E. Booth, Jr., M.D.
- 10:00 #107 Rotating Hinge Implants: *Their Indications & Outcomes*
Thorsten Gehrke, M.D.
- 10:06 #108 The Multiply Operated Patient: *A Long Day’s Journey into Night*
Richard E. Jones, M.D.
- 10:12 Discussion
- 10:32 Refreshments in the Exhibit Area

SESSION XXV – Jose A. Rodriguez, M.D.

Tips, Techniques & Technologies in Knee & Hip Reconstruction: “A Baker’s Dozen”

- 11:02 #109 Cryoablation: *Giving a Cold Shoulder to Knee Pain*
S. David Stulberg, M.D.
- 11:08 #110 Deformity Correction: *Avoiding Collateral Ligament Release*
Arun Mullaji, F.R.C.S.(Ed), M.S.
- 11:14 #111 Balancing the Knee: *The Use of Smart Trials*
Kenneth A. Gustke, M.D.
- 11:20 #112 Maximizing Cement Interdigitation During TKA
Richard E. Jones, M.D.
- 11:26 #113 Extensor Mechanism Deficiency: *A Marlex Mesh Solution*
Matthew P. Abdel, M.D.
- 11:32 #114 Implant Extraction in Revision Knee Arthroplasty
Adolph V. Lombardi, Jr., M.D.
- 11:38 #115 Intra-Articular Spacer Options for Infection: *Which for What*
Tad M. Mabry, M.D.
- 11:44 #116 Table Mounted Retraction System: *A Tireless Surgical Assistant*
Edwin P. Su, M.D.
- 11:50 #117 The Superior Hip Arthroplasty: *Safe, Reliable & Cost Efficient*
Stephen B. Murphy, M.D.
- 11:56 #118 The Principles of Cemented Femoral Fixation: *Not to Be Forgotten*
Thorsten Gehrke, M.D.
- 12:02 #119 Management of Ceramic Component Complications
Martin A. Buttarro, M.D.
- 12:08 #120 Removal of the Well-Fixed Acetabular Component: *Step-by-Step*
David G. Lewallen, M.D.
- 12:14 #121 Extended Trochanteric Osteotomy: *Variations on a Theme*
Michael E. Berend, M.D.
- 12:20 Closure

CLOSING LUNCH

12:20p.m. - 1:20p.m.

MEETING PROCEEDINGS

EXCLUSIVE ACCESS TO THE FULL LENGTH RECORDING OF THE LIVE PROCEEDINGS WILL BE AVAILABLE AT www.CCJR.com.

PAST PROGRAMS CAN ALSO BE VIEWED AT www.CCJR.com.

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FOUNDATION BOOTH

OREF

EXHIBITOR LUNCHESES, SYMPOSIA & BIOSKILLS

CCJR participants, in addition to visiting the exhibitor booths, are encouraged to attend company-sponsored lunches, symposia and bioskills for increased exposure to emerging and contemporary technologies as well as gaining surgical technique experience.

Thursday, December 13, 2018

Legally Mine

Lunch - 12:37p.m. - 1:37p.m.

Understanding Legal Tools: The Keys to Lawsuit Prevention,
License Protection and Tax Reduction

Friday, December 14, 2018

ConvaTec

Symposium - 6:05p.m. - 8:00p.m.

A Comprehensive Spectrum of Wound Management
in Total Joint Arthroplasty

Zimmer Biomet

Bioskills - 6:05p.m. - 8:00p.m.

Zimmer Biomet Educational Experience:
An Interactive Hands-on Cadaveric Opportunity

Further exhibitor offerings can be found at www.CCJR.com

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Winter 2018

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Sign-in, Badge and Course Material Pickup
Wednesday, December 12, 2018 from 6:00p.m. - 8:00p.m.
Additional Registration Hours on
December 13 - 15, 2018 from 6:30a.m. - 1:00p.m.

REGISTRATION INFORMATION

COURSE PRE-REGISTRATION DEADLINE: November 12, 2018

Course Fee may be paid by Credit Card or
US Bank Check payable to: **Current Concepts Institute**

- Registration received after **November 12, 2018** is subject to a \$50 late fee •
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 - Confirmation is sent by e-mail •

COURSE INFORMATION

Current Concepts Institute

Dorothy L. Granchi, MBA, Course Coordinator
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