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**CURRENT CONCEPTS INSTITUTE**

*in partnership with*



The Hip Society  
and  
The Knee Society



*present*

*Twentieth  
Annual*

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

***Spring 2019***

*Hilton Cleveland Downtown  
Cleveland, Ohio*



May 8 - 11, 2019

A Continuing Medical Education Program

***Featuring 5 Interactive “LIVE SURGERIES”***

*Course Director:*

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

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## FACULTY

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Waverton, Australia

**Scott D. Weiner, M.D.**  
Summa Health System  
Akron, Ohio



## APPRECIATING CLEVELAND

### Welcome to our city!



The 20<sup>th</sup> Annual **CCJR – Spring** meeting, coincident with a visit to a rejuvenated downtown Cleveland and a historic University Circle, provides attendees a wonderful opportunity to also explore our city. Its culinary scene fostered by nationally-recognized chefs, a resurgent music scene and theater district, several art and historical museums, gardens and parks can all be enjoyed in early May.

So, outside of the **CCJR – Spring** meeting, enjoy a memorable meal, grab a craft beer, see a play, hear the Cleveland Orchestra, visit our cultural amenities or perhaps, just go fishing on Lake Erie! Whatever you enjoy, Cleveland has it!

As a special offering for registering and attending the meeting, each participant may request one complimentary ticket to go to either the Cleveland Indians baseball game or the Rock & Roll Hall of Fame.

**Cleveland Indians Baseball Game**  
Wednesday, May 8, 2019  
6:10 pm  
Progressive Field  
2401 Ontario St., Cleveland, Ohio 44115

Additional tickets are available at discounted group rates.  
Spend a little time before and after the meeting exploring Cleveland and all it has to offer.  
Learn more about Cleveland, the Show Your Badge Program, and other things to do during your visit at [www.CCJR.com](http://www.CCJR.com).

**Rock & Roll Hall of Fame**  
Saturday, May 11, 2019  
1:00 pm – 5:30 pm  
1100 E 9th St, Cleveland, Ohio 44114

## 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 or its alternatives are 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.

## 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.

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

## COURSE LOCATION

The Hilton Cleveland Downtown is in the heart of Cleveland's vibrant downtown area, with spectacular views of Lake Erie, contemporary guest rooms, and convenient on-site amenities. This hotel is the perfect base for exploring the lakeside city. Cleveland is an eclectic mix of a 100-year-old public market, an incredible live music scene, professional sports teams, the Jack Casino, and the Cuyahoga Valley National Park. Cleveland is also home to the Rock & Roll Hall of Fame, the Cleveland Museum of Art and Severance Hall, home of the the Cleveland Orchestra, as well as the nation's second-largest performing arts district.

## HOTEL RESERVATIONS

Hotel reservations for the **CCJR** meeting must be made directly with the hotel. The deadline for the room rate is **April 10, 2019**, if space is available. All reservations must be guaranteed with a credit card for the full stay.

### *Hilton Cleveland Downtown*

100 Lakeside Ave, East, Cleveland, Ohio 44114

Tel: 216-413-5000

Single / Double Room \$184.00/Night + Tax

**BOOKING ROOMS:** [www.CCJR-Hotels.com](http://www.CCJR-Hotels.com)

## COURSE REGISTRATION

**COURSE PRE-REGISTRATION DEADLINE: April 8, 2019.** No registration will be held without payment. Registration can be transferred to another individual wishing to attend **CCJR-S19** only. Registrations received after **April 8, 2019** are subject to a \$50 late fee. Cancellation must be received in writing. Cancellation after **April 8, 2019** is subject to a \$100 penalty. No refund will be granted after **April 22, 2019**. Walk-in and late registrations will only be accepted if space is available. Confirmation is sent by e-mail.

## TRAVEL ARRANGEMENTS

**CCJR** has partnered with several providers for air and ground transportation. With three airports, the intersection of three major interstate highways and being located within 500 miles of 43 percent of the country, Cleveland is easy to access. Additional information and codes can be found at the official **CCJR** website.

**BOOKING TRAVEL:** [www.CCJR.com/spring/accommodations/](http://www.CCJR.com/spring/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.

## 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.

# CURRENT CONCEPTS IN JOINT REPLACEMENT® - Spring 2019

## REGISTRATION: Superior Ballroom Foyer

6:30a.m. - 1:00p.m. Thursday-Saturday, May 9-11

## WEDNESDAY, MAY 8, 2019

### Cleveland Indians vs. Chicago White Sox Baseball Game

6:10p.m. Progressive Field

## THURSDAY, MAY 9, 2019

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

### Orthopaedic Crossfire® I: Controversial Issues in Knee Arthroplasty

7:45 The Cementless Tibia: *Emergent Game Changer*  
#2 Kenneth A. Gustke, M.D. – *Affirms*  
#3 Gwo-Chin Lee, M.D. – *Opposes*  
8:05 Custom TKA Designs: *Promote Optimal Patient & Surgeon Satisfaction*  
#4 Jose A. Rodriguez, M.D. – *Affirms*  
#5 Robert L. Barrack, M.D. – *Opposes*  
8:25 Outpatient TJA Surgery: *The Best Sum of All Things*  
#6 Stephen B. Murphy, M.D. – *Affirms*  
#7 Alejandro Gonzalez Della Valle, M.D. – *Opposes*

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

#### “Live in Cleveland”: Knee Arthroplasty from the Hospital for Special Surgery, New York, NY

8:45 #8 A Robotic Cementless TKA: *The Shape of Things to Come*  
Michael P. Ast, M.D. – *Surgeon*  
9:30 Refreshments in the Exhibit Area

### SESSION III – Jose A. Rodriguez, M.D.

#### Management Factorials in Primary Knee Arthroplasty: Ensuring a Winner!

9:55 #9 The Medial Pivot Knee: *A Reflection of Normal Kinematics*  
David Backstein, M.D., F.R.C.S.(C), M.Ed.  
10:01 #10 Peri-Operative Pain Management: *Assuring a Happy Patient*  
Keith R. Berend, M.D.  
10:07 #11 Achieving Alignment in TKA: *Optimizing Patient Outcomes*  
Robert L. Barrack, M.D.  
10:13 #12 Intra & Extra Articular Deformity: *Corrective Strategies*  
Alejandro Gonzalez Della Valle, M.D.  
10:19 #13 Prior & Acute Tibial Plateau Fx's: *When is TKA an Option?*  
Matthew P. Abdel, M.D.  
10:25 #14 Advancing Suture Technologies in TKA: *Stitches in Time*  
Viktor E. Krebs, M.D.  
10:31 Discussion

### SESSION IV – Keith R. Berend, M.D.

10:51 #15 *What Would YOU do? Challenges in Knee Surgery*  
David Backstein, M.D., F.R.C.S.(C), M.Ed.  
Michael C. Kolczun, M.D.  
Viktor E. Krebs, M.D.  
Gwo-Chin Lee, M.D.  
Douglas E. Padgett, M.D.

### SESSION V – Douglas E. Padgett, M.D.

#### The Infected Knee Arthroplasty: Drugs, Bugs & Solution Options

11:20 #16 Minimizing Infection Risk: *Factors Influencing*  
C. Anderson Engh, Jr., M.D.  
11:26 #17 Diagnosing Infection: *A Step-by-Step Evaluation Protocol*  
Atul F. Kamath, M.D.  
11:32 #18 DAIR: *An Emerging Solution for PJI*  
Fares S. Haddad, M.D., F.R.C.S.  
11:38 #19 Partial Two-Stage Exchange: *Half the Loaf*  
Adolph V. Lombardi, Jr., M.D.  
11:44 #20 The Two-Stage Standard: *Techniques, Timing & Statistics*  
David G. Lewallen, M.D.  
11:50 Discussion  
12:10 #21 OREF/CCJR Clinical Award Paper  
12:20 Lunch

### SESSION VI – Aaron G. Rosenberg, M.D.

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

1:20 Posterior Stabilized Knee Designs: *Vestigial Organs*  
#22 R. Michael Meneghini, M.D. – *Affirms*  
#23 Douglas E. Padgett, M.D. – *Opposes*  
1:40 The Tourniquetless TKA: *A Miraculous Conversion*  
#24 Jose A. Rodriguez, M.D. – *Affirms*  
#25 Steven J. MacDonald, M.D., F.R.C.S.(C) – *Opposes*  
2:00 Patella Resurfacing: *Rarely, If Ever Necessary*  
#26 Robert L. Barrack, M.D. – *Affirms*  
#27 Michael C. Kolczun, M.D. – *Opposes*

### SESSION VII – George J. Haidukewych, M.D.

#### “Live in Cleveland”: Knee Arthroplasty from the Hospital for Special Surgery in New York, NY

2:20 #28 Revision Rotating Platform TKA: *A Bone Loss Solution*  
Michael B. Cross, M.D. – *Surgeon*

## EXHIBITORS' RECEPTION: Superior Ballroom

3:05p.m. - 4:00p.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.  
4:00p.m. - 5:00p.m.

### Veterans Meeting Room A-B

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

##### 4:00 #29 **Primary Hip Reconstruction**

Peter J. Brooks, M.D., F.R.C.S.(C)  
C. Anderson Engh, Jr., M.D.  
Denis Nam, M.D.  
Jose A. Rodriguez, M.D.

### Veterans Meeting Room C-D

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

##### 4:00 #30 **Patient Dissatisfaction Following TKA**

Fares S. Haddad, M.D., F.R.C.S.  
Michael C. Kolczun, M.D.  
Robert M. Molloy, M.D.  
William L. Walter, M.D., F.R.A.C.S., Ph.D.

5:00 Adjournment

## FRIDAY, MAY 10, 2019

6:30a.m. Buffet Breakfast

### SESSION X – R. Michael Meneghini, M.D.

7:30 #31 **Biologic Therapies 2019: Facts, Fictions & Costs**  
Aaron G. Rosenberg, M.D.

### **Problems After Knee Arthroplasty: Things That Go “Bump in the Night”**

7:40 #32 **Wound Complications: A Knee is Not a Hip**  
Gwo-Chin Lee, M.D.

7:46 #33 **The Post-Operative Painful Knee: Diagnosis & Remedy**  
Robert M. Molloy, M.D.

7:52 #34 **The Unstable Knee: Manifestations, Reasons & Corrective Actions**  
William L. Walter, M.D., F.R.A.C.S., Ph.D.

7:58 #35 **The Management of Extensor Mechanism Complications**  
Denis Nam, M.D.

8:04 #36 **Residual Flexion Contracture: Frustrating the Patient & the Surgeon**  
Matthew P. Abdel, M.D.

8:10 #37 **Peri-Prosthetic Femoral Fx's: When to Repair or Replace**  
Wayne G. Paprosky, M.D.

8:16 Discussion

### SESSION XI – Michael C. Kolczun, M.D.

**“Live in Cleveland”: Knee Arthroplasty from  
Mt. Carmel New Albany Surgical Hospital, New Albany, OH**

8:36 #38 **Medial UKA to TKA: Is It as Good as a Primary Result?**  
Adolph V. Lombardi, Jr., M.D. – *Surgeon*

9:21 Refreshments in the Exhibit Area

### SESSION XII – C. Anderson Engh, Jr., M.D.

**Revision Knee Arthroplasty: Doin' the Right Thing**

9:46 #39 **Principles of Revision Knee Surgery**  
Thomas S. Thornhill, M.D.

9:52 #40 **Bone Loss Management in Revision TKA**  
David G. Lewallen, M.D.

9:58 #41 **Exposure Options: Factors Dictating the Pathway**  
Douglas E. Padgett, M.D.

10:04 #42 **The Optimal Use of Stems in Revision TKA**  
Viktor E. Krebs, M.D.

10:10 #43 **Metaphyseal Cones for Large Bone Defects: A Time & a Place**  
Paul F. Lachiewicz, M.D.

10:16 #44 **The Hinge: A Simple Solution for a Complex Problem**  
George J. Haidukewych, M.D.

10:22 #45 **The Multiply Operated Patient: A Long Day's Journey Into Night**  
Denis Nam, M.D.

10:28 Discussion

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

10:48 #46 **Hip & Knee Arthroplasty 2019: What's New, What's True,  
Does it Matter? Evidence Based Issues**

David Backstein, M.D., F.R.C.S.(C), M.Ed.  
Atul F. Kamath, M.D.  
Gwo-Chin Lee, M.D.  
Steven J. MacDonald, M.D., F.R.C.S.(C)  
Stephen B. Murphy, M.D.

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

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

11:18 **The Cemented All Poly Tibia: Regardless of Age & BMI**  
#47 David G. Lewallen, M.D. – *Affirms*  
#48 Michael C. Kolczun, M.D. – *Opposes*

11:38 **Mega Prosthesis for Well-Fixed TKA Femoral Fx's**  
#49 David Backstein, M.D., F.R.C.S.(C), M.Ed. – *Affirms*  
#50 George J. Haidukewych, M.D. – *Opposes*

11:58 **Simulation Training: This is the Future**  
#51 Kenneth A. Gustke, M.D. – *Affirms*  
#52 Thomas S. Thornhill, M.D. – *Opposes*

12:18 Lunch

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

1:18 #53 **Early Prophylactic Intervention: Avoiding or Deferring Arthroplasty**  
Atul F. Kamath, M.D.

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

1:28 #54 **Pre-Operative Planning & Execution: Moving the Yardsticks**  
Stephen B. Murphy, M.D.

1:34 #55 **Articulations of Choice: Assuring Longevity**  
William L. Walter, M.D., F.R.A.C.S., Ph.D.

1:40 #56 **Are All Cementless Stems Created Equal?**  
Matthew P. Abdel, M.D.

1:46 #57 **Cemented Femoral Fixation: Optimal Hybrid Solution**  
Alejandro Gonzalez Della Valle, M.D.

1:52 #58 **The Short Stem: An Option for ALL Hips**  
Kenneth A. Gustke, M.D.

1:58 #59 **Acetabular Positioning: Avoiding Dislocation**  
Aaron G. Rosenberg, M.D.

2:04 Discussion

### SESSION XVI – Gwo-Chin Lee, M.D.

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

2:24 #60 **The Asymptomatic & Painful THA: Monitoring & Intervention**  
Steven J. MacDonald, M.D., F.R.C.S.(C)



- 2:30 #61 Blood Conservation Strategies: *The Impact of TXA*  
Viktor E. Krebs, M.D.
- 2:36 #62 DVT Prophylaxis: *Think of the Old Aspirin*  
Alejandro Gonzalez Della Valle, M.D.
- 2:42 #63 THA in Dysplasia: *Effectively Managing the Technical Challenges*  
Allan E. Gross, M.D., F.R.C.S.(C)
- 2:48 #64 Neuromuscularly Challenged Patients: *In a Class of Their Own*  
Denis Nam, M.D.
- 2:54 #65 Metastatic Femoral Disease: *Principles of Management*  
Scott D. Weiner, M.D.
- 3:00 Discussion
- 3:20 Refreshments in the Exhibit Area

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

- 3:45 #66 **What Would YOU do? Challenges in Hip Surgery**  
Paul F. Lachiewicz, M.D.  
David G. Lewallen, M.D.  
R. Michael Meneghini, M.D.  
Wayne G. Paprosky, M.D.  
Scott D. Weiner, M.D.

**SESSION XVIII – Atul F. Kamath, M.D.**

**“Live in Cleveland”: Primary Hip Arthroplasty from the  
Anderson Orthopaedic Research Institute, Alexandria, VA**

- 4:15 #67 **Optimizing the Anterior Approach Through Advancing Technologies**  
William G. Hamilton, M.D. – *Surgeon*
- 5:00 Adjournment

**EXHIBITOR SATELLITE EVENTS**

5:00p.m. - 7:00p.m.

**SATURDAY, MAY 11, 2019**

6:30a.m. Buffet Breakfast

**SESSION XIX – Thomas S. Thornhill, M.D.**

**Orthopaedic Crossfire® IV: Controversial Issues in Hip Arthroplasty**

- 7:30 The Anterior Approach: *Better, Faster, Cost Effective*  
#68 Keith R. Berend, M.D. – *Affirms*  
#69 Fares S. Haddad, M.D., F.R.C.S. – *Opposes*
- 7:50 Ceramic Heads Should Be Used in All Patients  
#70 William L. Walter, M.D., F.R.A.C.S., Ph.D. – *Affirms*  
#71 C. Anderson Engh, Jr., M.D. – *Opposes*
- 8:10 Dual Mobility: *First Choice for the High Risk & Recurring Dislocator*  
#72 Matthew P. Abdel, M.D. – *Affirms*  
#73 R. Michael Meneghini, M.D. – *Opposes*

**SESSION XX – Peter J. Brooks, M.D., F.R.C.S.(C)**

**“Live in Cleveland”: Hip Arthroplasty from the  
Hospital for Special Surgery, New York, NY**

- 8:30 #74 **A Hip Resurfacing Option: Redux 2019**  
Edwin P. Su, M.D. – *Surgeon*

**SESSION XXI – Paul F. Lachiewicz, M.D.**

**The Revision Femur**

- 9:25 #75 Classifying Femoral Bone Deficiency: *Choosing the Right Implant*  
Wayne G. Paprosky, M.D.
- 9:31 #76 Cemented Stems in Revision 2019: *What Problems Can They Solve?*  
Fares S. Haddad, M.D., F.R.C.S.

- 9:37 #77 The Modular Stem: *The Right Implant for the Difficult Revision*  
Adolph V. Lombardi, Jr., M.D.
- 9:43 #78 Peri-Prosthetic Fx's: *Classification & Treatment Algorithm*  
Keith R. Berend, M.D.
- 9:49 Discussion

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

**The Revision Acetabulum: A Potpourri of Options**

- 10:09 #79 Exposure Options for Acetabular Revision  
Wayne G. Paprosky, M.D.
- 10:15 #80 The Jumbo Cup: *Cementless Solution for Acetabular Bone Loss*  
Paul F. Lachiewicz, M.D.
- 10:21 #81 Porous Metal Acetabular Augments: *When the Jumbo Cup Isn't Enough*  
George J. Haidukewych, M.D.
- 10:27 #82 Impaction Grafting Cement Alternative: *Recreating a Contained Defect*  
Alejandro Gonzalez Della Valle, M.D.
- 10:33 #83 The Custom Triflange Cup: *Build it & They Will Wait*  
C. Anderson Engh, Jr., M.D.
- 10:39 #84 The Role of Cages in Acetabular Revision  
Allan E. Gross, M.D., F.R.C.S.(C)
- 10:45 Discussion
- 11:05 Refreshments in the Exhibit Area

**SESSION XXIII – Wayne G. Paprosky, M.D.**

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

- 11:30 #85 Electronic Follow-Up: *Is Seeing Patients in Clinic Necessary?*  
Steven J. MacDonald, M.D., F.R.C.S.(C)
- 11:36 #86 Seven Little Cuts to the Perfect TKA  
Peter J. Brooks, M.D., F.R.C.S.(C)
- 11:42 #87 Achieving Soft Tissue Balance: *The Use of Smart Trials*  
Kenneth A. Gustke, M.D.
- 11:48 #88 Handheld Navigation in TKA: *The Orthopaedist’s Smart Phone*  
Denis Nam, M.D.
- 11:54 #89 Optimizing Cement Fixation During TKA  
Thomas S. Thornhill, M.D.
- 12:00 #90 Removing the Well-Fixed Knee: *Tricks of the Trade*  
Robert M. Molloy, M.D.
- 12:06 #91 Extensor Mechanism Deficiency: *A Marlex Mesh Solution*  
Matthew P. Abdel, M.D.
- 12:12 #92 A Simple Cost Effective Hip Navigation System  
Allan E. Gross, M.D., F.R.C.S.(C)
- 12:18 #93 Removing a Well-Fixed Acetabular Component: *Blade Runner 2019*  
Paul F. Lachiewicz, M.D.
- 12:24 #94 Limited Femorotomy: *Removing a Well-Fixed Stem*  
William L. Walter, M.D., F.R.A.C.S., Ph.D.
- 12:30 #95 Trochanteric Slide for Extensive Proximal Bone Loss  
Scott D. Weiner, M.D.
- 12:36 #96 Tapered Modular Stems for Femoral Revision: *Getting It Straight*  
R. Michael Meneghini, M.D.
- 12:42 #97 Distal Femoral Replacement: *Making It Work*  
David Backstein, M.D., F.R.C.S.(C), M.Ed.
- 12:48 Closure

**Rock & Roll Hall of Fame**

1:00p.m. - 5:30p.m.

**MEETING PROCEEDINGS**

EXCLUSIVE ACCESS TO THE FULL LENGTH RECORDING OF THE LIVE  
PROCEEDINGS WILL BE AVAILABLE 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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**EXHIBITORS**

**DePuy Synthes**

**DJO Surgical**

**Flexion Therapeutics**

**Horizon Pharma**

**Innomed, Inc.**

**iovera<sup>o</sup> | myoscience**

**Just Huajian Medical Device (Tianjin) Co., Ltd.**

**KCI, An Acelity Company**

**Kinamed, Inc.**

**Legally Mine**

**MicroPort Orthopedics, Inc.**

**OrthoSensor**

**Smith & Nephew, Inc.**

**Surgical Planning Associates, Inc.**

**Wolters Kluwer**

**Zimmer Biomet**

**FOUNDATION BOOTHS**

**Operation Walk**

**OREF**

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**EXHIBITOR SATELLITE EVENTS**

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

**Thursday, May 9, 2019**

**iovera<sup>o</sup> | myoscience**      **Lunch - 12:20p.m. - 1:20p.m.**  
Cryoanalgesia: An Opioid-Sparing TKA Solution  
from Incision Through Recovery

**Friday, May 10, 2019**

**Legally Mine**      **Lunch - 12:18p.m. - 1:18p.m.**  
Understanding Legal Tools: The Keys to Lawsuit Prevention,  
License Protection and Tax Reduction

**KCI, An Acelity Company**      **Symposium - 5:00p.m. - 7:00p.m.**  
Optimizing Arthroplasty Incision Management Utilizing the Next  
Generation in Negative Pressure Therapy to Help Improve Outcomes:  
Science and Clinical Evidence

Further exhibitor offerings can be found at [www.CCJR.com](http://www.CCJR.com)

**EXHIBITOR REVERSE EXPO**

This is a first-time **CCJR** opportunity for exhibitors to interact directly with the purchasing agents of the major healthcare systems in the Cleveland/Akron area. Introducing new product lines and services to these institutions will serve as a valuable addition to this orthopaedic educational event.

# Current Concepts in Joint Replacement®

## Spring 2019

IMMEDIATE REGISTRATION & CONFIRMATION AVAILABLE AT

**www.CCJR.com**

### COURSE REGISTRATION

Course Fee: **\$950** Surgeon - Nurse - Allied Health - All Other  
**\$475** Resident/Fellow-in-Training  
(Program Director Certification Required)

#### INCLUDES

- Comprehensive Syllabus - Abstract Book •
- Video Proceedings including the *Live Surgeries* •
- Lavish Reception • Three Buffet Breakfasts •
- Two Plated Lunches • Four Refreshment Breaks •
- One Ticket to Either the Rock & Roll Hall of Fame OR the Cleveland Indians Baseball Game •

#### CONTINUING MEDICAL EDUCATION

**20 AMA PRA Category 1 Credits™**

### REGISTRATION INFORMATION

#### COURSE PRE-REGISTRATION DEADLINE: April 8, 2019

Course Fee may be paid by Credit Card or

US Bank Check payable to: **Current Concepts Institute**

- Registrations received after **April 8, 2019** are subject to a \$50 late fee •
  - No registration will be held without payment •
  - Cancellation after **April 8, 2019** is subject to a \$100 penalty •
    - Cancellation must be received in writing •
    - No refund will be granted after **April 22, 2019** •
- Transfer to another individual wishing to attend **CCJR-S19** only •
  - Confirmation is sent by e-mail •

**Registration Hours:** May 9 - 11, 2019 from 6:30a.m. - 1:00p.m.

#### Ethical Medtech

The **CCJR - Spring 2019** meeting has been  
deemed COMPLIANT.

### COURSE INFORMATION

#### Current Concepts Institute

Dorothy L. Granchi, MBA, Course Coordinator

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

Tel: 216-295-1900 • Fax: 216-295-9955

Internet: [www.CCJR.com](http://www.CCJR.com) • E-Mail: [Info@CCJR.com](mailto:Info@CCJR.com)



# Current Concepts in Joint Replacement® *Spring 2019*

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 \$475 Resident/Fellow-in-Training, Program Director Certification Required

\* First/Given Name: \_\_\_\_\_  
\* Last/Family Name: \_\_\_\_\_  
Degree: \_\_\_\_\_  
Affiliation/Company: \_\_\_\_\_  
\* Street Address \_\_\_\_\_  
\* City: \_\_\_\_\_  
\* State/Province: \_\_\_\_\_  
\* Postal Code: \_\_\_\_\_  
Country: \_\_\_\_\_  
\* Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
\* E-Mail: \_\_\_\_\_

\* Required Information

Immediate Registration & Confirmation Available at

**www.CCJR.com**

## PAYMENT & PAYMENT INFORMATION

No registration will be held without payment

US BANK CHECK or MONEY ORDER

No bank transfers accepted.

Mail Registration and payment to: **Current Concepts Institute**, 2310 Superior Avenue East, Suite 100, Cleveland, Ohio 44114 - USA

### CREDIT CARD PAYMENT

\*\*Cardholder's Name: \_\_\_\_\_  
\*\*Cardholder's Address: \_\_\_\_\_  
\*\*Card Number: \_\_\_\_\_  
\*\*Card Type: \_\_\_\_\_  
\*\*Expiration Date: \_\_\_\_\_ \*\* (MM/YY)  
\*\*Signature: \_\_\_\_\_

\*\* Required Information