

International Hip Society Closed Meeting

**Athens, Greece
May 15-18, 2024**



Athens Capital Hotel

**4 Eleftheriou Venizelou Avenue and 2 Kriezotou street,
Syntagma Square
10671 ATHENS, GREECE**

2024-05-06



Rochester, MN, May 2, 2024

Ladies and Gentlemen,

Welcome to Athens!

Thanks to all the attending members we have a fantastic and robust scientific program. It is one of the richest and deepest in the history of our Society. In addition, we have planned a social program for you (and your guests) that we hope will be most enjoyable and entertaining! The Social Program is listed at the front of the abstract book.

I look forward to a fantastic and memorable several days together. If you have questions, please check with Kajsa Erikson, or with me, at any time.

Sincerely,

Daniel J. Berry, M.D.
President, International Hip Society

International Hip Society, closed meeting, May 15-18, 2024

All presentations are 6 minutes.

Thursday – 7:30-7:35 AM

Welcome to Athens

D. Berry

**7:35-9:30 Periprosthetic Joint Infection Moderators: C. Della Valle
S. Jones**

7:35-7:41 Long-term results of 331 two-stage exchanges for PJI following
THA: Very low reinfection and mechanical failure rates at 10
years M. Abdel

7:42-7:48 One-stage versus two-stage revision hip arthroplasty – Can we
confirm the data from meta-analyses in real world registry data? C. Perka

7:49-7:55 Mortality and re-revision following single stage compared to
two-stage revision for infected hip replacements A. Blom

7:56-8:02 A comparative analysis of 1.5-stage and 2-stage revision for
periprosthetic joint infection after total hip arthroplasty: Is
1.5-stage really equivalent? C. Higuera

8:03-8:09 Intra-articular antibiotics following single-stage revision for
periprosthetic joint infection in cementless total hip arthroplasty
are effective and safe K.Corten
(New member)

8:10-8:16 Mid-term results of the new ENDO-spacer technique in two-stage
septic exchange surgery for periprosthetic joint infection of the
hip T. Gehrke

8:17-8:23 Effective treatment of single-stage revision using non-contact
low frequency ultrasonic debridement in treating periprosthetic
joint infections: a prospective clinical study L. Cao

8:24-8:30 More revisions due to infection with use of Refobacin bone cement
R than with Palocos R+G – Analysis of total hip arthroplasties in
the Swedish Arthroplasty Registry 2012-2022 O. Rolfson

8:31-8:37 Periprosthetic joint infection and heterotopic ossification after
total hip arthroplasty: A narrative review R. Hube

8:38-8:44 Autoclave efficacy in the sterilization of contaminated
orthopaedic surfaces M. Bostrom

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| 8:45-8:51 | Prevention of periprosthetic joint infection through electrophoretic deposition of gentamicin into titanium nanotubes: An in vivo investigation | J. Jacobs |
| 8:52-8:58 | The role of antibacterial hydrogel coating on complication risks after complex primary and cementless hip revision arthroplasty: A retrospective matched cohort study | L. Zagra |
| 8:58-9:30 | Discussion | |
| 9:30-9:50 | Break | |
| 9:50-10:22 | Dual Mobility Implants | Moderators: R. Sierra P. Hernigou |
| 9:50-9:56 | A randomized controlled trial of a conventional versus modular dual-mobility bearing – Are serum metal levels a concern? | C. Della Valle |
| 9:57-10:03 | Functional outcome of dual mobility articulations. Is there a compromise? | A. Shimmin |
| 10:04-10:10 | The combined use of a single and dual mobility cups in primary total hip arthroplasty is safe in a university hospital practice | J-N. Argenson |
| 10:10-10:22 | Discussion | |
| 10:22-11:46 | Complex Primary THA; DDH; THA in Young | Moderators: S. MacDonald L. Zagra |
| 10:22-10:28 | Total hip arthroplasty in children delivers large improvements in hip function and quality of life: A single centre cohort study with 34 years of follow up | T. Board |
| 10:29-10:35 | Dysplastic hips that are too late for PAO are not too early for total hip arthroplasty | C. Peters |
| 10:36-10:42 | The use of porous titanium acetabular augments in primary total hip arthroplasty for hip dysplasia or rapidly destructive coxopathy | N. Sugano |
| 10:43-10:49 | Shortening osteotomies of the femur during total hip arthroplasty for developmental hip dysplasia | G. Macheras |
| 10:50-10:56 | Primary total hip arthroplasty using custom-made acetabular implants in patients with Crowe IV developmental dysplasia of the hip | R. Tikhilov |

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- 10:57-11:03 Trochanteric osteotomy and transfer during total hip arthroplasty in patients with dislocated dysplastic hips: Union rate using monofilament transverse wire cerclage M. Kalhor
- 11:04-11:10 Visualized navigation-assisted acetabular mirror reconstruction exhibits better functional performance in THA for Crowe type-II/III developmental dysplasia of the hip: a retrospective cohort study W. Chai
(New member)
- 11:11-11:17 The evaluation of total hip replacement in the management of spastic painful hip dislocation in cerebral palsy J. Czubak
- 11:18-11:24 Total hip arthroplasty in patients with angular proximal femoral deformities D. Berry
- 11:24-11:46 Discussion

11:46-12:45 Operative Approaches **Moderators: J-N Argenson**
M. Abdel

- 11:46-11:52 Cost analysis of direct anterior vs direct lateral approach for outpatient total hip arthroplasty S. MacDonald
- 11:53-11:59 No difference in in-hospital opioid use and 90-day opioid prescriptions in patients undergoing anterior and posterolateral approach total hip arthroplasty A. Gonzalez Della Valle
(New member)
- 12:00-12:06 Stems implanted through a direct anterior approach have higher anteversion than those implanted through a posterior approach M. Solomon
(New member)
- 12:07-12:13 Preservation of the lateral circumflex femoral artery in DAA-THA: effect on muscle status and clinical outcomes M. Leunig
- 12:14-12:20 A prospective randomized controlled trial comparing the direct superior approach with the posterior approach for total hip arthroplasty F. Haddad
- 12:21-12:27 A standard of care in hip arthroplasty – Routine use of the tendon-sparing SPAIRE technique with MAKO robotic assistance J. Timperley
- 12:27-12:45 Discussion

12:45-12:55 First Business Meeting

12:55-1:45 Lunch

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| 1:45-2:53 | Femoral-sided Pathology in Native Hip; Soft Tissues in Native and Replaced Hip | Moderators: J. Clohisy J. Witt |
| 1:45-1:51 | Anatomical study of percutaneous tenotomy of the iliopsoas tendon guided by ultrasound in cadavers: a viable technique? | G. Polesello (New member) |
| 1:52-1:58 | Abductor reconstruction with vastus lateralis to gluteus medius transfer | B. Solomon |
| 1:59-2:05 | Understanding the multi-system manifestations of hypermobility in your patients | R. Santore |
| 2:06-2:12 | Arthroscopic treatment of Anterior Inferior Iliac Spine impingement: 5-year clinical outcomes | O. Marín Peña |
| 2:13-2:19 | Treatment of osteonecrosis of the femoral head in Ficat III stage after femoral neck fracture in children and adolescents by basicervical femoral neck rotational osteotomy | H. Zhang |
| 2:20-2:26 | Divergent properties of skeletal stem cells from the necrotic and non-necrotic zones of femoral heads in ONFH | S. Goodman |
| 2:27-2:33 | Femoral head reduction osteotomy approach for severe proximal femur deformities: surgical technique and minimum 2-year results | P. Rego (New member) |
| 2:33-2:53 | Discussion | |
| 2:53-3:35 | Hip Resurfacing | Moderators: B. Walter P. Beaulé |
| 2:53-2:59 | Long-term survivorship of metal-on-metal hip resurfacing Arthroplasty: Comparative cohort study at 15 years | D. Meek |
| 3:00-3:06 | Long-term results of the Birmingham hip resurfacing implant in the United States: An updated analysis of a single institution's experience | R. Barrack |
| 3:07-3:13 | Ten-years survivorship of hip resurfacing in patients 30 years of age or younger | J. Girard |
| 3:14-3:20 | Gait changes following ceramic-on-ceramic hip resurfacing arthroplasty: a prospective study | J. Cobb |
| 3:20-3:35 | Discussion | |

3:35-3:55 Break

**3:55-5:10 Primary THA Femur Moderators: F. Haddad
R. de Steiger**

3:55-4:01 No difference in short-term revision rate and early mortality in uncemented vs. cemented total hip arthroplasty: A regression discontinuity analysis in the Dutch Arthroplasty Register Data R. Poolman
(New member)

4:02-4:08 Collared stems are a protective factor against early periprosthetic fractures in total hip arthroplasty. A multivariate analysis in a cohort of 1,623 patients S. Lustig

4:09-4:15 Rectangular taper stem designs are associated with a higher risk for periprosthetic femoral fractures after cementless total hip arthroplasty Y-S. Park

4:16-4:22 The effect of cemented femoral component design and prophylactic wire placement against early periprosthetic femoral fracture in primary total hip arthroplasty: A biomechanical study R. Sierra

4:23-4:29 Comparison of survival rates and analysis of first-time stem revision of short-stemmed and normal stemmed total hip arthroplasties based on 16,258 short stems from the Australian, Dutch, and Swedish registries J. Kärrholm

4:30-4:36 Intraoperative femoral fracture during uncemented total hip arthroplasty. Does the stem length matter? J. Antoniou
(New member)

4:37-4:43 Incidence of post operative periprosthetic femoral fractures using short stems in THR F. Falez
(New member)

4:44-4:50 Risk of periprosthetic fracture after primary total hip arthroplasty using a collared cementless (CC) or taper-slip cemented stem (PTS) D. Beverland

4:50-5:10 Discussion

5:10-5:15 Wrap up D. Berry

Friday – 7:30-7:33 AM

Welcome/Announcements

D. Berry

7:33-8:30 Revision THA: The Acetabulum**Moderators: D. Lewallen
M. Bostrom**

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| 7:33-7:39 | The Burch-Schneider acetabular reinforcement ring: a retrospective analysis of 200 hips over a 40-year period at the inventor's institution | M. Tannast |
| 7:40-7:46 | Reconstruction of Paprosky type III acetabular bone defects in revision hip arthroplasty using a combination of cage and morselized allografts | Z. Zhou (New member) |
| 7:47-7:53 | Rim-point-column-oriented algorithm in cementless acetabular reconstruction in revision total hip arthroplasty: A minimum 5-year follow-up study | Y. Zhou |
| 7:54-8:00 | Management of chronic pelvic discontinuity during revision hip arthroplasty using the “acetabular distraction technique”: Clinical and radiologic outcomes at 2-10 years from a two-centre study | R. Malhotra (New member) |
| 8:01-8:07 | 5-year results of the new-generation custom-made acetabular triflange for large acetabular defects: A prospective case series | G. van Hellemond |
| 8:08-8:14 | Low risk of cup fixation failure at 10-years using constrained liner at the same time of acetabular component revision | D. Garbuz |
| 8:14-8:30 | Discussion | |
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| 8:30-9:20 | Revision THA: The Femur and General Revision | Moderators: P. Devane R. Hube |
| 8:30-8:36 | Re-revision risk of modular and monobloc revision stems after revision THA | M. Morlock |
| 8:37-8:43 | Short-term outcome of a modern monoblock titanium fluted tapered revision stem for complex primary and revision total hip arthroplasty | R. McCalden |
| 8:44-8:50 | Bearing selection in revision total hip arthroplasty: Rationale, algorithm and outcome | S. Jones |
| 8:51-8:57 | Revision hip arthroplasty in patients with severe sickle-cell disease. Challenges and early outcomes | T. Karachalios |

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| 8:58-9:04 | The push-through total femoral prosthesis for revision of a total hip or knee replacement with extreme bone loss | M. Tokgozoglul |
| 9:04-9:20 | Discussion | |
| 9:20-9:35 | Second Business Meeting | |
| 9:35-9:55 | Break | |
| 9:55-11:03 | THA Bearing Surface; Primary Acetabular Components | Moderators: C. Perka W. Maloney |
| 9:55-10:01 | Cementless acetabular cup without screw holes: A minimum 20 years follow up study | P. Chiu |
| 10:02-10:08 | The association of bearing surface materials with the risk of revision following primary total hip replacement: a cohort analysis of 1,026,481 hip replacements from the National Joint Registry | M. Whitehouse (New member) |
| 10:09-10:15 | A randomized prospective double-blind trial comparing X-Linked with conventional polyethylene in THA. Minimum 20-year results | P. Devane |
| 10:16-10:22 | The use of large metal heads in thin vitamin E-doped cross-linked polyethylene inserts do not increase polyethylene wear in total hip arthroplasty. Five-year results from a randomized controlled trial | A. Troelsen |
| 10:23-10:29 | Influence of manufacturing characteristics of highly cross-linked polyethylenes on femoral head penetration in total hip replacement: A ten- to 20-year follow-up study | E. Garcia-Rey (New member) |
| 10:30-10:36 | The first 200 ceramic-on-ceramic hip resurfacing implants at minimum 2-year follow-up | B. Walter |
| 10:37-10:43 | Cobalt toxicity from third body wear of a metal head following total hip arthroplasty revision for ceramic-on-ceramic bearing fracture – <i>A series of 5 cases</i> | D. Lewallen |
| 10:43-11:03 | Discussion | |
| 11:03-12:11 | Pelvic Osteotomy | Moderators: C. Peters M. Leunig |
| 11:03-11:09 | Bernese periacetabular osteotomy to treat developmental hip dysplasia: The long-term Boston experience | M. Millis |

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| 11:10-11:16 | Delayed gadolinium-enhanced magnetic resonance imaging of cartilage is a predictor of periacetabular osteotomy failure in patients 40 and older | Y-J. Kim |
| 11:17-11:23 | Identifying risk factors for disease progression in developmental dysplasia of the hip using a contralateral hip model | J. Clohisy |
| 11:24-11:30 | Mixed-reality guidance for pelvic osteotomy and acetabular Realignment: Proof of concept | S. Murphy (New member) |
| 11:31-11:37 | Decoding the timeline: Predicting return to sport after peri-acetabular osteotomy with precision modeling | G. Wassilew (New member) |
| 11:38-11:44 | True femoral neck lengthening osteotomy with periacetabular osteotomy for Coxa Breva through surgical hip dislocation | X. Chen |
| 11:45-11:51 | Acetabular development after PAO in hips with open triradiate cartilage | R. Ganz |
| 11:46-12:11 | Discussion | |
| 12:11-12:15 | Wrap up/Announcements | D. Berry |
| 12:15 | Pick up “To Go” lunch | |

Saturday – 7:30-7:35 AM

Welcome/Announcements

D. Berry

7:35-9:10 Complications of THA**Moderators: D. Garbuz
A. Manktelow**

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| 7:35-7:41 | How much is the impact of hip dislocation on patient's quality of life after THA? How specific implants (large heads, dual mobility or constrained liners) trade with this problem? | P. Hernigou |
| 7:42-7:48 | Effect of femoral rotation on dislocation after revision total hip arthroplasty | Y. Inaba |
| 7:49-7:55 | A novel magnetic system to treat THR instability | S. Cook (New member) |
| 7:56-8:02 | Virtual impingement tests in 113 patients undergoing total hip arthroplasty | C. Hoi Yan (New member) |
| 8:03-8:09 | Comparison of PROMIS scores after total hip and total ankle Arthroplasty: A propensity score matched study | W. Jiranek |
| 8:10-8:16 | Does revision accurately correct leg length discrepancy after total hip arthroplasty? Functional outcomes and complications rate in 57 patients | H. Migaud |
| 8:17-8:23 | Implant movement analysis, a CT based technique to diagnose early loosening in THA | H. Malchau |
| 8:24-8:30 | Comparison of the CT-based micromotion analysis method versus marker-based RSA in measuring femoral stem migration | M. Mohaddes (New member) |
| 8:31-8:37 | Does the addition of computed tomography improve the accuracy of determination of implant fixation status for periprosthetic fractures of the proximal femur? | G. Haidukewych |
| 8:38-8:44 | Leukocyte esterase in the diagnosis of periprosthetic joint infection: A comprehensive analysis | J. Parvizi |
| 8:44-9:10 | Discussion | |

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| 9:10-9:40 | Hip Fracture | Moderators: H. Malchau G. Haidukewych |
| 9:10-9:16 | Femoral neck fracture in older than 65: Comparison of results of cannulated screws fixation fs hemiarthroplasty | J. Cordero-Ampuero |
| 9:17-9:23 | Surgical approach impacts patient reported symptoms following arthroplasty for femoral neck fractures | E. Schemitsch |
| 9:24-9:30 | Plasma calprotectin versus conventional infection biomarkers in hip fracture patients – A prospective cohort study | C. Rogmark |
| 9:30-9:40 | Discussion | |
| 9:40-10:00 | Break | |
| 10:00-11:45 | The Three O's: Outpatient THA; Outcomes; Obesity | Moderators: A. Shimmin R. Barrack |
| 10:00-10:06 | Does total hip arthroplasty benefit patients with minimal radiographic osteoarthritis? | J. Witt |
| 10:07-10:13 | Diagnostic injections are predictive of similar improvements following total hip arthroplasty in patients with radiographically mild osteoarthritis | S. Sporer (New member) |
| 10:14-10:20 | Retrospective analysis of PROMs in a matched cohort of inpatient and day surgery hip replacement patients | J. Waddell |
| 10:21-10:27 | Preoperative activity level in patients who underwent total hip arthroplasty has a distinctive impact on postoperative recovery process and FJS-12 | T. Sakai (New member) |
| 10:28-10:34 | Persistent pain and satisfaction after total hip arthroplasty: A Nationwide cross-sectional survey study from Denmark | S. Overgaard |
| 10:35-10:41 | Weathering the storm: The impact of total hip arthroplasty on weather-related pain | M. Tanzer |
| 10:42-10:48 | Are cognitively-impaired patients suitable candidates for hip arthroplasty? A propensity-score matched cohort study | G. Bonilla (New member) |
| 10:49-10:55 | Matching the other side: Radiographic variability in staged, bilateral total hip arthroplasty | R. Schwarzkopf |

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| 10:56-11:02 | Effect of body mass index on the risk of postoperative complications following total hip arthroplasty | J. Lieberman |
| 11:03-11:09 | Obesity and total hip arthroplasty surgery | R. de Steiger |
| 11:10-11:16 | Safety and efficacy of outpatient total hip arthroplasty in obese patients | P. Beaulé |
| 11:17-11:23 | An overnight sensation: How the successful and acute introduction of a rapid recovery and day case arthroplasty service can benefit a previously compromised NHS service | A. Manktelow |
| 11:23-11:45 | Discussion | |
| 11:45-11:50 | Wrap up and Farewell | D. Berry |

Social Program
International Hip Society, Closed Meeting,
Athens Capital Hotel, Athens, Greece, May 15-18, 2024

Wednesday, May 15, 2024

Afternoon check in at hotel (Reception)

Welcome Reception (members and accompanying guests, cocktails and light hors d'oeuvres) 6:00 pm – 7:30 pm Mappemonde, 10th floor
Dress: Business casual

Dinner – members and accompanying guests may make their own individual arrangements. You may ask hotel concierge in advance or onsite for restaurant recommendations/reservations assistance. Guest Relations team at the hotel may be reached: HB3X8-GR@ACCOR.COM

Thursday, May 16, 2024

Breakfast (members staying at Athens Capital) 6:30 am – 7:30 am MFlavours Restaurant, 9th floor

Breakfast (accompanying persons) 6:30 am – 11:00 am MFlavours Restaurant, 9th floor

Guided Athens Walking Tour incl lunch (accompanying guests only) 9:30 am – 1:30 pm

The group will meet their guide(s) in the lobby of the hotel. Please be on time.

Prior registration and payment (included in registration fee) required.

Explore the charm of Athens with our 4-hour walking tour through the historic Plaka district. Immerse yourself in the rich history as our knowledgeable guides weave tales of ancient landmarks, like the historic Monastiraki Square. Wander through narrow streets, visit local shops in Ermou (shopping street), and discover hidden gems. Cap off the experience with a delightful lunch at a traditional taverna savoring authentic Greek cuisine. This tour promises a perfect blend of cultural insights and local flavors in the heart of Athens. Return transportation to the hotel after lunch is included. Wear comfortable shoes!

Lunch (members) 12:55 pm – 1:45 pm MFlavours Restaurant, 9th floor

Dinner at Dionysos Zonar's restaurant (members and accompanying guests) – Enjoy elevated Greek cuisine and superb wines in the shadow of the Acropolis.

Prior registration and payment (included in registration fee for members and guests) required.

Dress: Business casual

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- Buses depart hotel promptly at 7:00 pm
- Welcome glass of wine at 7:30 pm
- Dinner at 8:00 pm
- Buses depart at 10:30 pm back to hotel

Friday, May 17, 2024

Breakfast (members staying at Athens Capital) 6:30 am – 7:30 am MFlavours Restaurant, 9th floor

Breakfast (accompanying persons) 6:30 am – 11:00 am MFlavours Restaurant, 9th floor

Morning free (accompanying persons)

Pick up “To Go Lunch” (members and accompanying persons) at 12:15 pm – Foyer outside Meeting room, 1st floor

Guided tour of Acropolis (members and accompanying persons)

Prior registration and payment (included in registration fee for members and guests) required.

Dress: Casual/comfortable/weather-appropriate

- Buses depart hotel 1:00 pm

Embark on a captivating 3.5-hour journey through the iconic Acropolis. Witness the grandeur of ancient Greek architecture as our expert guides unfold the stories behind the Parthenon, Erechtheion, and more. Enjoy a seamless blend of cultural exploration and breathtaking views. This tour promises an enriching and unforgettable experience. The tour includes round-trip transportation.

Buses depart hotel promptly at 1:00 pm

- Buses return hotel at 4:30 pm

Dinner at Riviera Coast Restaurant (members and accompanying guests)

Prior registration and payment (included in registration fee for members and guests) required.

Explore a wonderful gastronomic experience at the Riviera Coast’s Restaurant, where unique tastes blend with the blue landscape, and Mediterranean cuisine meets international cuisine.

Dress: Business casual

- Enjoy a glass of wine prior to departure at the MFlavours restaurant (9th floor) at 5:20 pm
- Buses depart hotel promptly at 6:00 pm
- Welcome glass of wine at 6:45 pm
- Dinner at 7:15 pm
- Buses depart Riviera at 10:00 pm

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Saturday, May 18, 2024

Breakfast (members staying at Athens Capital) 6:30 am – 7:30 am MFlavours Restaurant, 9th floor

Breakfast (accompanying persons) 6:30 am – 11:00 am MFlavours Restaurant, 9th floor

Morning free (accompanying persons)

Meeting closure (members) 11:50 am