



Revised Nov 10, 2021

Program – 10th Annual International Congress of Arthroplasty Registries (2nd Annual Virtual Congress), 11-13 November 2021

The program will commence Thursday in USA/Europe and Friday morning in Australia
All times are Central European time (CET).
Presenters are marked bold and underlined.

Thursday 11th/Friday 12th November

Thursday 11 th November	U.S.A. East Coast (EST)	2.00pm
	U.S.A. Central (CST)	1.00pm
	U.S.A. West Coast (PST)	11.00am
	United Kingdom	7.00pm
	Europe & Scandinavia (CET)	8.00pm
Friday 12 th November	Australia (AEDT)	6.00am
	New Zealand	8.00am

8.00-8.30pm **Welcome to Virtual Zoom Meeting – Søren Overgaard**

Update from ISAR Working Groups

Benchmarking: Adrian Sayers

PROMs: Brian Hallstrom

Signal Detection: Richard de Steiger

Statistics/methods: Nicole Pratt

Education: Anne Lübbecke

8.30-9.30pm **Hip fracture, pharmacy, socio-economic status**

Moderators: Cecilia Rogmark and Ove Furnes

4 minutes per presentation

- 1 Nails or plate for extracapsular hip fractures – comparison of reoperation rates. An observational cohort study based on data from the Swedish Fracture Register and the Swedish Arthroplasty Register
Helmi-Sisko Pyrhönen, Johan Lagergren, Olof Wolf, Alicja Bojan, Sebastian Mukka, Michael Möller, Cecilia Rogmark

- 2 Dual mobility cup versus conventional total hip arthroplasty for femoral neck fractures: An international multi-registry study
John E Farey, James Masters, Alana R Cuthbert, Pernille Iversen, Liza van Steenberg, Heather A Prentice, Sam Adie, Adrian Sayers, Michael R Whitehouse, Elizabeth W Paxton, Matthew L Costa, Søren Overgaard, Cecilia Rogmark, Ola Rolfson, **Ian A Harris**



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3 Dislocation after total hip arthroplasty for acute hip fracture. The effect of approach, headsize or dual-mobility? What to avoid?
*Peter Cnudde, Jonatan Nåtman, Nils P Hailer, Ammar Jobory, **Cecilia Rogmark***

4 Association between femoral stem type and the risk of aseptic revision following hemiarthroplasty
*Kanu Okike, Priscilla H Chan, Nithin C Reddy, Elizabeth W Paxton, **Heather A Prentice***

5 Anticoagulation use and complications post joint-replacement: An Australian Orthopaedic Association National Joint Replacement Registry data linkage study
*Nicole Pratt, Aarti Gulyani, **Katherine Duszynski**, Richard de Steiger, Maria Inacio, Ilana Ackerman, Louisa Jorm, Michelle Lorimer, Stephen E Graves, Ian Harris*

Q & A: 8 minutes

6 Opioid prescribing patterns after arthroplasty of the knee and hip: A nationwide cohort study from 2013-2018
***H E van Brug**, R G H H Nelissen, W M Lijfering, L N van Steenbergen, F R Rosendaal, E L A van Dorp, M L Bouvy, A Dahan, M G J Gademan*

7 Opioid use before and after revision knee arthroplasty for “pain without loosening” versus “aseptic loosening” – a Danish nationwide study
***Kristine Bollerup Arndt**, Henrik M Schrøder, Anders Troelsen, Martin Lindberg-Larsen*

8 Socioeconomic status and use of analgesic drugs before and after primary total hip arthroplasty: A population based cohort study of 103,209 patient undergoing primary total hip arthroplasty during 1996-2018
***André Nis Klennø**, Martin Bækgaard Stisen, Nina McKinnon Edwards, Inger Mechlenburg, Alma Becic Pedersen*

9 The association between socioeconomic status and the 90-day risk of any infections after a total hip arthroplasty: A registry-based cohort study of 103,901 patients with osteoarthritis
***Nina M Edwards**, Claus Varnum, Rob G H H Nelissen, Søren Overgaard, Alma B Pedersen*

10 Progression to joint replacement surgery among patients with hip and knee osteoarthritis. A study from the Better Management of Patients with Osteoarthritis Register
***Kristin Gustafsson**, Joanna Kvist, Caddie Zhou, Marit Eriksson, Ola Rolfson*

Q & A: 8 minutes



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9.30-9.45pm

Break

9.45-10.45pm

PROMs, Shoulders

Moderators: Jeppe Veilgaard Rasmussen and Ilana Ackerman

4 minutes per presentation

- 1 Patient reported outcome and body mass index in medial uni-compartmental knee arthroplasty
Annette W-Dahl, *Martin Sundberg, Otto Robertsson*
- 2 Minimal clinically important differences for the HOOS-12 and KOOS-12 instruments: Data from the Australian Orthopaedic Association National Joint Replacement Registry Patient-Reported Outcomes Measures Program.
Ilana Ackerman, *Sze-Ee Soh, Kara Cashman, Emma Heath, Michelle Lorimer, Stephen Graves, Ian Harris*
- 3 Can knee-specific and generic patient-reported outcome scores predict early revision knee replacement?
Ilana Ackerman, *Ian Harris, Kara Cashman, Michelle Lorimer, Neville Rowden, Stephen Graves*
- 4 Patient reported outcomes after joint replacement: Results from the AOANJRR
Emma Heath, *Ilana Ackerman, Kara Cashman, Michelle Lorimer, Stephen Graves, Ian Harris*
- 5 Between-hospital and between-surgeon variation in thresholds for hip and knee replacement
Carl Holder, *Emma Heath, Kara Cashman, Ilana Ackerman, Michelle Lorimer, Stephen Graves, Ian A Harris*

Q & A: 8 minutes

- 6 Primary inlay reverse shoulder arthroplasty has a higher rate of revision than onlay reverse shoulder arthroplasty: Analysis from the Australian Orthopaedic Association National Joint Replacement Registry
David R J Gill, *Stephen D Gill, Sophia Rainbird, Carl Holder, Richard S Page*
- 7 Between-hospital variation in revision rates following primary shoulder arthroplasty in the Netherlands: A registry analysis including 13,104 patients and 87 hospitals
Lotje A Hoogervorst, *Peter van Schie, Jochem Nagels, Rob GHH Nelissen, Perla J Marang-van de Mheen*



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- 8 Cross-linked polyethylene in primary, standard stemmed shoulder arthroplasty is associated with a lower revision rate compared to non-cross-linked polyethylene: updated results from the AOANJRR
*Richard Page, **Angela Alder-Price**, Stephen Graves, Richard de Steiger, Sophie Rainbird, Yi Peng, Chlesea Dyer, Michelle Lorimer, Stephen Gill*
- 9 Risk factors for early return to care following same-day discharge primary shoulder arthroplasty
*Matthew D McElvany, Heather A Prentice, Laurie G Barovick, Jason R Kang, **Ronald A Navarro**, Mark T Dillon*
- 10 Primary shoulder arthroplasty after proximal humeral fracture. Outcome related to waiting time to surgery, and subsequent to a fracture sequelae, analyzed from the Swedish shoulder registry.
***Yilmaz Demir**, Elinor Kylberg, Henrik Molin, Björn Salomonsson*

Q & A: 8 minutes

- 10.45-11.00pm International Protheses Library**
Presenters and moderators: Mita De and Benjamin J Imlay
- 11.00-11.30pm**
- A. Mini-symposium and Panel Discussion**
Title: Predictive modelling: an introduction
Presenters and moderators: Banne Nemeth and Erik Bülow
- B. Mini-symposium and Panel Disucssion**
Title: Registry data quality and validation: How good is it and should there be an ISAR standard?
Presenters and moderators: Anne Lübbecke-Wolff and Martyn Porter



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8.00-8.30pm **Symposium: 20 minutes presentation followed by 10 minutes discussion**
Title: Retirement of statistical significance testing
Moderators: Alma B. Pedersen and Anne Marie Fenstad

8.30-9.30pm **Poster Walk 1: COVID, Knee, Hip, Hip fracture, Infection**
Moderator: Liz Paxton and Ola Rolfson
2 minutes per pitch

- 1 Increased risk of revision with posterior stabilized total knee arthroplasty: An analysis from the American Joint Replacement Registry
Jamil Kendall, Christopher E Pelt, Patrick Yep, Kyle Mullen, Benjamin Imlay, Ryland Kagan
- 2 Impact of COVID-19 on elective and urgent hip and knee arthroplasty care in the Netherlands
Liza N van Steenbergen, V Velhorst, RGHH Nelissen, BW Schreurs
- 3 Outcome of revision primary total conventional hip replacement: Results from a large national joint registry
Richard de Steiger, Peter L Lewis, Stephen E Graves, Ian Harris, Michelle Lorimer
- 4 Femoral head size in total hip arthroplasty and revision risk for instability in Canada
Carolyn Sandoval, Catherine Yu, Alina Dragan, Michael Terner, Greg Webster, Eric Bohm, Michael Dunbar
- 5 In total hip arthroplasty 36mm femoral heads reduce early dislocations without increasing long term revision rates regardless of acetabular component size: An analysis of 188,591 primary total hip replacements
Wayne Hoskins, Roger Bingham, Sophie Rainbird, Carl Holder, **James Stoney**



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- 6 Mortality and revision rates of patients 80 years and older in primary total hip arthroplasty for osteoarthritis. Report of 43,053 cases of the Dutch Arthroplasty Register (LROI)
Esther M Bloemheugel, *Liza N van Steenberg, Bart A Swierstra*

Q & A: 7 minutes

- 7 Total Knee Replacements - Implant brand portfolios, the potential for camouflage of data and the role of ODEP
Jonathan Phillips, *Keith Tucker*

- 8 First report on hip arthroplasty in the European region Tyrol – South Tyrol –Trentino - operation years 2013 to 2017
Irmgard Delmarko, Alois Harrasser, Hermann Leitner, Roberto Picus, Cristiana Armaroli, Silvano Piffer – **Presenter: Sabrina Neururer**

- 9 Risk of revision following hip fracture fixation using Synthes trochanteric fixation nail (TFN) versus trochanteric fixation nail advanced (TFNA): A cohort study of 7,979 patients
L Henry Goodnough, Richard N Chang, Brian H Fasig, Heather A Prentice, Elizabeth W Paxton, Kanu M Okike, **Andrew S Fang**

- 10 Dislocation after arthroplasty for acute hip fracture in patients with a known neurological condition. Hemiarthroplasty, conventional total hip or dual-mobility?
Peter Cnudde, *Jonatan Nåtman, Nils P Hailer, Cecilia Rogmark*

- 11 Removed from program

- 12 The effect of patella resurfacing during total knee arthroplasty on patient-reported outcomes, a causal analysis
Ian A Harris, *Kara Cashman, Michelle Lorimer, Nicole Pratt, Peter Lewis, Stephen E Graves, Blanca Gallego Luxan*

Q & A: 7 minutes

- 13 Outcome of revision primary total knee replacement: results from a large national joint registry
Peter L Lewis, *Richard de Steiger, Stephen Graves, Ian Harris, Michelle Lorimer*



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- 14 Variation and trends in reasons for knee replacement revision: A multi-registry study
Peter L Lewis, *Otto Robertsson, Stephan E Graves, Elizabeth W Paxton, Heather A Prentice, Annette W-Dahl*
- 15 A registry comparison of unicompartmental knee replacement bearing designs
Peter Lewis, *Arun Kannan, Chelsea Dyer, William A Jiranek, Stephen McMahon*
- 16 Low lifetime risk of revision knee replacement in Australia: A population-level analysis
Ilana Ackerman, *Ljoudmila Busija, Michelle Lorimer, Richard de Steiger, Stephen E Graves*
- 17 Prosthesis survival after revision knee arthroplasty for “pain without loosening” versus “aseptic loosening” – a Danish nationwide study
Kristine Bollerup Arndt, *Henrik M Schrøder, Anders Troelsen, Martin Lindberg-Larsen*
- 18 No effect of fixation type on early and late mortality after total knee arthroplasty: A Dutch arthroplasty register study
Casper R Quispel, *Jeroen C van Egmond, Maarten M Bruin, Anneke Spekenbrink-Spooren, Hennie Verburg, Jantsje H Pasma*

Q & A: 7 minutes

Poster walk 2

Moderator: Richard de Steiger and Claus Varnum

2 minutes per pitch

- 1 A classifier neural network for probabilistic estimation of postoperative PROMs
Fabio Luis de Mello, *Visakan Kadirkamanathan, J Mark Wilkinson*
- 2 An investigation of bias in the assessment of mortality risk with total resurfacing hip replacement compared to total conventional hip replacement: An Australian Orthopaedic Association National Joint Replacement Registry linkage study
Nicole Pratt, *Mhairi Kerr, Katherine Duszynski, Aarti Gulyani, Richard de Steiger, Ian Harris, Maria Inacio, Ilana Ackerman, Louisa Jorm, Michelle Lorimer, Stephen E Graves*
- 3 A comparison of survival models for prediction of eight-year revision risk following total knee and hip arthroplasty
Alana R Cuthbert, *Lynne C Giles, Gary Glonek, Lisa M Kalisch Ellett, Nicole L Pratt*



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- 4 Data linkage of two national databases: Lessons learned from linking the Dutch arthroplasty register with the Dutch Foundation for Pharmaceutical Statistics
H E van Brug, *F R Rosendaal, L N van Steenberg, R G H H Nelissen, M G J Gademan*
- 5 Validating a national orthopaedic implant register
Shane P Russell, *James Broderick, Sean O’Dea, Eoin Fahey, James Cashman*
- 6 Semi-parametric stochastic mixed effect model with applications to pain score progression following joint replacement: Michigan Arthroplasty Registry Quality Initiative
Thomas (Huiyong) Zheng, *Richard E Hughes, Tae Kim, Qi Zhu, Brian R Hallstrom*
- Q & A: 7 minutes**
- 7 Estimation of competing revision risks after hip replacement surgery using neural networks
Fabio Luis de Mello, *Visakan Kadirkamanathan, J Mark Wilkinson*
- 8 Indian joint registry step forward
J A Pachore
- 9 Developing a prediction model for total knee replacement surgery for people with osteoarthritis in general practice
Sharmala Thuraisingam, *Patty Chondros, Jo-Anne Manski-Nankervis, Tim Spelman, Peter Choong, Jane Gunn, Michelle Dowsey*
- 10 First prescriptions and prescribers after knee and hip arthroplasty: A nationwide cohort study from 2013-2018
H E van Brug, *R G H H Nelissen, L N van Steenberg, F R Rosendaal, E L A van Dorp, M L Bouvy, A Dahan, M G J Gademan*
- 11 Are responders to patient health surveys representative of those invited to participate? An analysis of the patient-reported outcome measures pilot from the Australian Orthopaedic Association National Joint Replacement Registry
Ian A Harris, *Kara Cashman, Ilana Ackerman, Stephen Graves*
- 12 Association between patient factors and coverage of a national patient-reported outcome measures program involving people undergoing joint arthroplasty
Ian A Harris, *Yi Peng, Ilana Ackerman, Stephen Graves*

Q & A: 7 minutes



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- 13 Optimizing presentation of revision risk information to orthopaedic surgeons
Richard E Hughes, *Tae Kim, Brian Hallstrom*
- 14 Racial disparities in rates of revision and use of premium surgical features in total knee arthroplasty, a national registry study
*Alex Upfill-Brown, **Noah Paisner**, Patrick C Donnelly, Ayushmita De, Adam Sassoon*
- 15 Association between race/ethnicity and 90-day emergency department visits in patients undergoing elective total knee arthroplasty in a universally insured population
Adrian D Hinman, *Kathryn E Royse, Priscilla H Chan, Elizabeth W Paxton, Ronald A Navarro*
- 16 Critical shoulder angle is correlated to failure of anatomic total shoulder arthroplasty
*Eloy Tabeayo, Priscilla Chan, Heather A Prentice, Mark T Dillon, Karimdad Otarodifard, **Anshuman Singh***
- 17 Does the setting of shoulder arthroplasty influence revision rates? A comparison of shoulder arthroplasty outcomes between settings at a national level.
Nicholas Paltoglou, *Richard Page, Stephen Graves, Sophie Rainbird, Michelle Lorimer, Stephen Gill*
- 18 Implant survival of primary shoulder arthroplasty, a detailed analysis with minimum 8-year follow-up in Swedish shoulder arthroplasty registry.
Kristofer Hallberg, *Mikael Yilmaz, Axel Jakobsson, Björn Salomonsson*

Q & A: 7 minutes

9.30-9.45pm **Break**

9.45-11.00pm **COVID, Infection, Methods**
Moderators: Rob Nelissen and Mark Wilkinson
4 minutes per presentation

- 1 Impact of COVID-19 lockdown on the quality of life in hip and knee arthroplasty patients in the Netherlands
Joshua M Bonsel, *Lichelle Groot, Abigael Cohen, Anneke Spekenbrink-Spooren, Jan A N Verhaar, Maaïke G J Gademan, Gouke J Bonsel, Max Reijman*
- 2 COVID-19 impact on joint replacement surgery in Australia – an Australian Orthopaedic Association National Joint Replacement Registry study



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Stephen Gill, Stephen Graves, Michelle Lorimer, Richard de Steiger, Ilana Ackerman, Andrew Ellis, Richard Page

3 Impact of COVID-19 on hip and knee replacements in Canada
Carolyn Sandoval, Nilpa Patel, Alina Dragan, Michael Terner, Greg Webster, Michael Dunbar, Eric Bohm

4 Metal-on-polyethylene implants are associated with a higher risk of PJI compared to ceramic-on-polyethylene
Emanuele Chisari, Christian Ong, Javad Parvizi, Chad Krueger

5 Debridement, antibiotics and implant retention (DAIR) and its utilization to treat periprosthetic joint infections
Jeffrey B Stambough, Bryan D Springer, Ayushmita De, Heena Jaffri, James A Browne, David G Lewallen

Q & A: 5 minutes

6 Is there harm in debridement, antibiotics, and implant retention (DAIR) versus 2-stage revision in the treatment of periprosthetic knee infection? Experiences within a large US healthcare system.
Stephen J Huffaker, Heather A Prentice, Matthew P Kelly, **Adrian D Hinman**

7 Trends in deep surgical site infections following four orthopedic procedures within a United States healthcare system over the past decade
Heather A Prentice, Priscilla H Chan, Jamila H Champs, Dana S Clutter, Vivek Mohan, Robert S Namba, Nithin C Reddy, Adrian D Hinman, Andrew S Fang, Edward Yian, Ronald A Navarro, Elizabeth W Paxton

8 Antibiotic prophylaxis regimes in shoulder arthroplasty operations - Analysis from the Swedish Shoulder Arthroplasty Register
Anne Dettmer, Markus Melander, Hanna C Björnsson Hallgren, Lars E Adolfsson, Björn Salomonsson

9 A method to track improvement in pain and function after hip and knee replacement using Markov transition modeling: Michigan Arthroplasty Registry Collaborative Quality
Brian R Hallstrom, Thomas (Huiyong) Zheng, Richard E Hughes, Tae Kim

10 Adverse event reports of hip prostheses and prediction of prostheses with higher than anticipated rates of revision
Mario Vittorino, Ben Polkinghorne, Simon Singer

Q & A: 5 minutes



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- 11 Benchmarking total knee replacement constructs using noninferiority analysis: The New Zealand Joint Registry study / Benchmarking total hip replacement constructs using noninferiority analysis: the New Zealand Joint Registry study
MC Wyatt, *CF Frampton, MR Whitehouse, KC Deere, A Sayers, D Kieser*
- 12 A more comprehensive evaluation of quality of care after total hip and knee arthroplasty: Combining indicators in an ordered composite outcome
Peter van Schie, *L van Bodegom-Vos, L N van Steenbergen, R G H H Nelissen, P J Marang-van de Mheen*
- 13 Using random forest to explore risk factors for early revision after total hip arthroplasty
Enrico Ciminello, *Cristiana Armaroli, Roberto Picus, Mirko Bonetti, Eugenio Carrani, Silvano Piffer, Marina Torre*
- 14 What is the most appropriate comparator group to use in assessing the performance of primary total hip prostheses in the community?
Khashayar Ghadirinejad, *Stephen Graves, Richard de Steiger, Nicole Pratt, Lucian B Solomon, Mark Taylor, Reza Hashem*

Q & A: 5 minutes

- 11.00-11.30pm** **C. Minisymposium and Panel Discussion**
Title: Identifications and handling of confounders
Presenters and moderators: Deirdre Cronin Fenton and Emma Nauc ler
- D. Minisymposium and Panel Discussion**
Title: Database linkage – experiences
Liz Paxton: International registry collaborations using distributed data networks
Nils Hailer: The Nordic Arthroplasty Register Association - a framework fusing data from 4 national arthroplasty registers
Presenters and moderators: Liz Paxton and Nils Hailer



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Sunday 14 th November	Australia (AEDT)	6.00am
	New Zealand	8.00am

8.00-8.30pm **Symposium: 20 minutes presentation followed by 10 minutes discussion**
Title: Real world data for orthopaedic implants: opportunities and challenges
Moderators: Vera Ehrenstein and Daniel Prieto-Alhambra

8.30-9.30pm **Hip and Knee**
Moderators: Brian Hallstrom and Antti Eskelinen
4 minutes per presentation

- 1 Femoral prosthesis geometry is a risk factor for failure of cementless primary total hip arthroplasty
Nithin C Reddy, Richard N Chang, Heather A Prentice, Elizabeth W Paxton, Matthew P Kelly, Monti Khatod
- 2 Association of femoral head size and surgical approach on risk of revision after total hip arthroplasty – updated results of 269,280 procedures in the Dutch Arthroplasty Register
Vera Velhorst, IMA de Reus, LN van Steenberg, G Hannink, BW Schreurs, WP Zijlstra
- 3 Primary cemented total hip arthroplasty in nonagenarians and centenarians: 1385 patients from the Swedish Hip Arthroplasty Register 1992-2019
Mattias Schaufelberger, Ola Rolfson, Johan Kärrholm
- 4 Does choice of bearings influence the survival of cementless stemmed total hip arthroplasty in the patient between 20 and 54 years? A comparison of metal-on-metal, ceramic-on-ceramic and metal-on-highly-crosslinked-polyethylene bearings from the NARA dataset 1995-2017
Rasmus Tyrsted Mikkelsen, Søren Overgaard, Alma Becic Pedersen, Johan Kärrholm, Ola Rolfson, Anne Marie Fenstad, Ove Furnes, Geir Hallan, Keijo Mäkelä, Antti Eskelinen, Claus Varnum



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- 5 Short versus conventional stem in cementless total hip arthroplasty. An evidence-based approach with registry data of mid-term survival
Arnd Steinbrück, Alexander Grimberg, Johanna Elliott, Oliver Melsheimer, Volkmar Jansson

Q & A: 8 minutes

- 6 The rate of revision of unicompartmental knee replacement is higher with smaller sized cemented tibial implants and with specific prostheses: An analysis of 50,239 unicompartmental knees from the Australian Orthopaedic Association National Joint Replacement Registry
Richard de Steiger, Alex Sims, Dylan Harris, Peter Lewis

- 7 Is there an optimal stabilization for total knee arthroplasty implant designs? A comparison between 114,878 medially stabilized, cruciate retaining and anterior stabilized implants in the Dutch Arthroplasty Register
Rachid Rassir, Maarten Schuiling, Inger N Sierevelt, Anneke Spekenbrink-Spooren, Peter A Nolte

- 8 Technology-assisted TKA is associated with lower early mortality than conventional (intramedullary) instrumentation
Ian A Harris, Yi Peng, David Kirwan, Peter Lewis, Richard de Steiger, Stephen Graves

- 9 Polyethylene crosslinking and antioxidant use not associated with risk of revision after total knee arthroplasty: An analysis from the American Joint Replacement Registry
Jamil Kendall, Christopher E Pelt, Patrick Yep, Kyle Mullen, Benjamin Imlay, Ryland Kagan

- 10 Use of cementless metaphyseal fixation in revision total knee arthroplasty in the United States
Christopher N Carender, Qiang An, Mathew W Tetreault, Ayushmita De, Timothy S. Brown, Nicholas A Bedard

Q & A: 8 minutes

9.30-9.45pm Break



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9.45-10.30pm Best Paper Session with voting
Moderators: Eric Bohm and Søren Overgaard
6 minutes per presentation followed by 3 minutes discussion

- 1 Does the use of assistive technology improve revision rates for total knee replacement?
Peter L Lewis, David Campbell, Michelle Lorimer, Richard de Steiger, Camden Fary
- 2 Does a quality improvement intervention result in better outcomes for total hip and knee arthroplasty. A registry nested cluster randomised controlled trial
Peter van Schie, Leti van Bodegom-Vos, Liza N van Steenberg, Tristan M Zijdeman, Rob G H H Nelissen, Perla J Marang-van de Mheen, for the IQ Joint study group
- 3 International comparison of patient-reported outcome measure scores from patients undergoing knee replacement / International comparison of patient-reported outcome measure scores from patients undergoing hip replacement
Lina Holm Ingelsrud, J Mark Wilkinson, Soren Overgaard, Ola Rolfson, Annette W-Dahl, Anneke Spekenbrink-Spooren, Brian Hallstrom, Adrian Sayers, Ronald A Navarro, Michael Terner, ISAR PROM working group Eric Bohm
- 4 Effect of body mass index on the risk of reoperation following total hip arthroplasty amongst people with type II diabetes
Aurora Tasa, Johanna Vinblad, Jonatan Nåtman, Ola Rolfson
- 5 Pain and falls seen as top reasons for return to care following primary elective shoulder arthroplasty in United States cohort
Danny P Chan, Heather A Prentice, Laurie G Barovick, Ronald A Navarro, Edward H Yian, Mark T Dillon

10.30-11.00pm Symposium – Industry
Title: What clinical data do manufacturers need for MDR and how can registries help fulfil this?
Presenter and moderator: Joshua Bridgens

11.00-11.30pm Welcome 2022 – 11th ISAR Congress Ireland presentation: Paddy Kenny
Meeting Summary, Presentation of Awards, Meeting Closure: Ola Rolfson