



International Society of Arthroplasty Registries

2024-04-16

Preliminary program - 13th Annual ISAR congress – June 1st-3rd, 2024, Hamburg, Germany

Venue: Radisson Blu Hotel

Saturday June 1st

7.00 – 8.00 Breakfast

7.30 – 8.00 Registration

8.00 – 8.15 Welcome Remarks

8.15 – 9.15 Lessons Learned in International Registry Projects

Moderators: Anne Lübbecke and Ove Furnes

Lessons learnt in conducting international registry projects (Liz Paxton – 12 min)

ISAR and collaboration – Past, present, future (Henrik Malchau, Martyn Porter, Stephen Graves – 21 min)

No 18	Impact of patient and prosthesis characteristics on common reasons for total knee replacement revision	Peter L Lewis, Annette W-Dahl, Otto Robertsson, Heather A Prentice, Stephen E Graves	Peter Lewis
No 60	Periprosthetic joint infection after primary total knee arthroplasty with or without antibiotic bone cement: A meta-analysis based on international joint registry data.	Tesfaye H Leta et al	Tesfaye H Leta
No 151	Examining patient characteristics of the Patient-Reported Outcome Measures for hip and knee replacements across international registries	Micheline Turnau, Krysia Walczak, Michael Terner, Candan Kendir, Ekin Dagistan, Michael van den Berg, Niek Klazinga, Eric Bohm, Brian Hallstrom, J Mark Wilkinson, Anne Lübbecke-Wolff	Michael Terner
54	Cognisant prognostication - leveraging machine learning for mortality and revision risk prediction from SHAR/NJR hip registries	M Abdulhadi Alagha, Fabio De Mello, Mikko S Venäläinen, Alex Liddle, Kostas Kalogeropoulos, Mark Wilkinson, Henrik Malchau, Ola Rolfson, Justin Cobb, Maziar Mohaddes	Abdulhadi Alagha

9.20 – 10.15

Statistics for international cooperation

Moderators: Richard de Steiger and Heather Prentice

Presenters:

What are distributed and federated network analysis, common data models, meta-data

Adrian Sayers (13 min)

Meta-analytic approach

Christophe Combescure (13 min)

Outlier detection methods

Richard de Steiger (13min)

Discussion – 15 min



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10.15 – 10.45

Coffee & Posters

2 minute presentation poster walk (2 parallel walks)

Adjudicators: Heather Prentice and John McKie

Ove Furnes and Arnd Steinbrück

Poster Walk 1

No 104	Long term opioid therapy before and after total hip or knee arthroplasty: a comparison of 14 different definitions.	Eskild B Kristiansen, Alma B Pedersen	Eskild Kristiansen
No 64	Psychopharmacological treatment is a risk factor for new chronic opioid use after hip and knee arthroplasty	Simon Kornvig, Henrik Kehlet, Christoffer Calov Jørgensen, Anders Fink-Jensen, Poul Videbech, Alma Becic Pedersen, Claus Varnum	Simon Kornvig
No 47	Development and validation of prediction models for chronic opioid prescriptions after total knee and hip arthroplasty	Heather Van Brug, Alma Pedersen, Hein Putter, Eskild Kristiansen, Frits Rosendaal, Liza Van Steenberg, Marcel Bouvy, Albert Dahan, Rob Nelissen, Maaïke Gademan	Maaïke Gademan
No 42	Socioeconomic position and subsequent chronic opioid use after hip fracture surgery: A Danish population-based cohort study, 2010-2018	Nickolaj Risbo, Vera Ehrenstein, Per Hviid Gundtoft, Jan-Erik Gjertsen, Alma Becic Pedersen	Nickolaj Risbo
No 38	Shifting hip and knee arthroplasty from public- to private hospitals in the Netherlands: implications for case mix and outcome. An analysis based on 476,312 procedures from the Dutch Arthroplasty Register	Bart-Jan van Dooren, Pelle Bos, Rinne M Peters, Liza N van Steenberg, Enrico de Visser, J Martijn Brinkman, B Willem Schreurs, Wierd P Zijlstra	Bart-Jan van Dooren

Poster Walk 2

No 103	Polish Arthroplasty Registry – good quality data for 38 million population	Jarosław Czubak, Jan Szneider, Barbara Więckowska, Dominik Żabiński	Jan Szneider
No 106	Hospitalization of prosthetic interventions in the Autonomous Province of Trento	Cristiana Armaroli, Maria Adalgisa Gentilini, Sergio Mezzina	Cristiana Armaroli
No 125	NJR supplier feedback reports for post-market surveillance	Robert Scott	Robert Scott
No 126	Representativeness of The Danish national health survey for research in total hip arthroplasty patients: a population based study	Simon Storgaard Jensen, Lei Wang, André S Klenø, Nadia R Gadgaard, Henrik T Sørensen, Alma B Pedersen	Simon Storgaard Jensen



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No 132	Registries need detailed medical device classifications. Moving from arthroplasty to other devices: a lesson learnt at the international level	Simona Pascucci, Edd Caton, Keith Tucker, Sashin Ahuja, Emin Aghayev, Elaine Young, Richard Armstrong, Marina Torre	Marina Torre
No 134	DESI indicators as a possible benchmark for digital performance assessment of a publicly funded orthopedic registry. The case of the Italian Arthroplasty Registry, RIAP	Iuliia Urakcheeva, Eugenio Carrani, Paola Ciccarelli, Marina Torre	Iuliia Urakcheeva

10.45 – 12.00

Podium Presentations: New registries and general topics

5 minute presentation and 2 minute discussion

Moderators: Liz Paxton and John McKie

No 73	Six year results of the AOANJRR Knee Osteotomy Registry	Christopher Vertullo, Annette W-Dahl, Carl Holder, Peter Lewis	Christopher Vertullo
No 88	18-year observation period for 38 million population – results from the Polish Arthroplasty Registry: hip arthroplasty	Jarosław Czubak, Jan Szneider, Barbara Więckowska, Dominik Żabiński	Jan Szneider
No 55	Current status and future prospects of the Japan Arthroplasty Register (JAR)	Haruhiko Akiyama	Haruhiko Akiyama
No 118	The development of the National Arthroplasty Registry of Slovenia (RES) – from the idea to the results	Vesna Levašič, Eva Podovšovnik	Vesna Levašič
No 124	Adjusted Kaplan Meier curves in registry reports	Robert Scott	Robert Scott
No 72	Are the outcomes of an arthroplasty registry valuable? An economic evaluation of the Australian Orthopaedic Association National Joint Replacement Registry	Charles Okafor, Son Nghiem, Christopher Vertullo, Carl Holder, Joshua Byrnes	Christopher Vertullo
No 92	Are safety notices and outlier registry data signalling the same total knee implants? – A Coordinating Research and Evidence for Medical Devices (CORE-MD) study	Lotje A Hoogervorst, Yijun Ren, Tom Melvin, Ashley A Stratton-Powell, Anne Lubbeke, Rob GHH Nelissen, Robert E Geertsma, Enrico Caiani, Perla J Marang-van de Mheen	Perla J Marang-van de Mheen
No 127	Unacceptable but clinically appropriate: Registry based early outcomes of revision total knee arthroplasty	Allina Nocon, Kathleen Tam, Brian Chalmers, Friedrich Boettner, Peter Sculco, Thomas Sculco	Friedrich Boettner
No 36	The relation between the surgeon's case load and revision rates in total hip arthroplasty: Evidence from the Swiss National Joint Registry	Andreas Ladurner, Karlmeinrad Giesinger, Bernhard Jost, Vilijam Zdravkovic	Vilijam Zdravkovic
No 138	The surgeon volume - outcome relationship in total knee arthroplasty: Evidence from the Swiss National Joint Registry	Kay-Bernd Lanner, Andreas Ladurner, Karlmeinrad Giesinger, Bernhard Jost, Vilijam Zdravkovic	Vilijam Zdravkovic



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12.00 – 12.45 Lunch

12.45 – 2.10 Institution and surgeon level reporting
 Moderators: Eric Bohm and Arnd Steinbrück
 Presenters: Ashley Blom, Eric Bohm, Brian Hallstrom, Rob Nelissen (50 min)
 Discussion (30 min)

2.15 – 3.25 Podium Presentations: Knee
 5 minute presentation and 2 minute discussion
 Moderators: James Huddleston and Peter Lewis

No 8	Conventional and highly cross-linked polyethylene in total knee replacement - A register-based study from the Swedish Arthroplasty Register	Annette W-Dahl, Perna Ighani Arani, Ola Rolfson	Annette W-Dahl
No 25	Total knee arthroplasty and one-year patient-reported outcomes in (super) obese patients in Manitoba, Canada	Christiaan Righolt, Jhase Sniderman, Thomas Turgeon, Eric Bohm	Christiaan Righolt
No 49	The effect of the adoption of uncemented knees on TKA survivorship in Michigan	Brian R Hallstrom, Huiyong Zheng, Richard E Hughes	Brian Hallstrom
No 57	Mobile bearing total knee arthroplasty is associated with an increased risk of mechanical loosening: A follow-up analysis of the American Joint Replacement Registry	Vishal Hegde, Isabella Zaniletti, Kyle Mullen, Ayushmita De, Christopher E Pelt, Ryland Kagan	Vishal Hegde
No 67	Concerning high rate of aseptic loosening in specific component combinations of a popular total knee arthroplasty implant brand: An international multi-centre retrospective cohort study	Gerard A Sheridan, Michael Neufeld, Lisa Howard, David Keohane, Eric Masterson, Daniel Cadoux-Hudson, Simon Tilley, Doug Dunlop, John Keith Tucker, Bas A Masri, Donald S Garbuz	David Keohane
No 111	How frequent is anterior knee pain after TKA without patellar resurfacing? - Analysis from the Dresden Hip and Knee Registry	Jörg Lützner, Patrick Schubert, Franziska Beyer, Cornelia Lützner	Jörg Lützner
No 112	DePuy Attune and PFC Sigma implant systems and cause-specific revision risk following primary total knee arthroplasty	Matthew P Kelly, Heather A Prentice, Brian H Fasig, Elizabeth W Paxton, Dhiren S Sheth, Monti Khatod, Nithin C Reddy	Matthew Kelly
No 113	Zimmer Persona versus Nexgen implant systems and cause-specific revision risk following primary total knee arthroplasty	Nithin C Reddy, Heather A Prentice, Brian H Fasig, Elizabeth W Paxton, Dhiren S Sheth, Monti Khatod, Matthew P Kelly	Matthew Kelly
No 108	Impact of metaphyseal sleeves and porous cones on risk reduction for total knee arthroplasty aseptic re-revision in a US integrated health care system	Adrian D Hinman, Richard N Chang, Matthew P Kelly, Brian H Fasig, Elizabeth W Paxton, Kathryn E Royse	Matthew Kelly
No 115	Re-revision after revision total knee arthroplasty	Bernhard Christen, Christian Brand, Lilianna Bolliger, Vilijam Zdravkovic, Martin Beck	Bernhard Christen



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3.25 – 3.55

Coffee & Posters

2 minute presentation poster walk (2 parallel walks)

Adjudicators: Peter Lewis and Bernhard Christen

Liza van Steenberg and Jörg Lützner

Poster Walk 1

No 22	Age affects TKA implant risk of revision in a regional United States Registry	Elizabeth Dailey, Richard E Hughes, Thomas H Zheng, Brian R Hallstrom	Elizabeth Dailey
No 27	An early evaluation of the most recent robotic technology - VELYS™ robotic assisted solution relative to manual total knee arthroplasty	Philip Huang, Michael Cross, Anshu Gupta, Dhara Intwala, Jill Ruppenkamp, Daniel Hoeffel	Anshu Gupta
No 34	Selective use of modern cementless total knee arthroplasty designs is not associated with increased risk of revision in patients aged 65 or greater: An analysis from the American Joint Replacement Registry	Ryland Kagan, Christopher E Pelt, Harpal S Khanuja, Isabella Zaniletti, Kyle Mullen, Ayushmita De, Vishal Hegde	Ryland Kagan
No 45	Insights into aseptic revisions after unicondylar and primary total knee arthroplasty: Evidence from the German Arthroplasty Registry (EPRD)	Josina Straub, Dominik Szymski, Nike Walter, Yinan Wu, Oliver Melsheimer, Alexander Grimberg, Volker Alt, Arnd Steinbrueck, Markus Rupp	Josina Straub
No 61	Aseptic midterm survival rates in different designs of cemented tibial stems in hinged total knee arthroplasty. A 6-year evaluation from The German Arthroplasty Registry	Alexander Maslaris, Alexander Grimberg, Oliver Melsheimer, Elefterios Tsiridis, Georg Matziolis	Alexander Maslaris
No 101	Arthrofibrosis as reason for revision after total or unicompartmental knee arthroplasty: an analysis from the Dutch Arthroplasty Registry (2014-2022)	Myrthe P F van de Ven, Anneke Spekenbrink-Spooren, Joris Bongers, Sander Koëter	Myrthe van de Ven

Poster Walk 2

No 120	180-day mortality following revision surgery of a knee replacement. An observational study of the National Joint Registry	Kevin Deere, Linda P Hunt, Adrian Sayers, Andrew Beswick, Michael R Whitehouse, James Mason, Ashley W Blom	Michael Whitehouse
No 123	Mid-term survival analysis of Registry data comparing conventional with alternative surface total knee arthroplasty (TKA) components. A report on 273,811 primary TKAs followed for up to 7 years	Johanna Elliott, Yinan Wu, Alexander W Grimberg, Jörg Lützner, Arnd Steinbrück	Johanna Elliott
No 128	Neuropathic pain before and one, five and ten years after total knee arthroplasty: prevalence and influence on clinical outcomes and patient satisfaction	Hermes Miozzari, Alice Bonnefoy-Mazure, Nicolas Silvestrini, Christophe Barea, Didier Hannouche, Anne Lübbecke	Hermes Miozzari



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No 130	Focus on short term post-operative: is telerehabilitation a valid option for total knee arthroplasty patients? A retrospective pilot study.	Enrico Ciminello, Michele Venosa, Emilio Romanini, Vittorio Calvisi, Marina Torre	Enrico Ciminello
No 142	The 16-year outcomes of bilateral simultaneous total knee arthroplasty using patient-specific templating versus its unilateral counterpart and conventional instrumentation	Mahmoud Hafez, Ahmed Moghny, Ahmad Yaman Kebbe	Ahmed Yaman Kebbe

3.55 – 5.05

Podium Presentations: Hip

5 minute presentation and 2 minute discussion

Moderators: Ola Rolfson and Michael Morlock

No 10	Is total hip arthroplasty safe In nonagenarians? – An analysis from the German Arthroplasty Registry	Vincent Leopold, Paula Krull, Sebastian Hardt, Christian Hipfl, Oliver Melsheimer, Arnd Steinbrück, Carsten Perka, Gregor Giebel	Vincent Leopold
No 11	Bearing surface materials and the risk of revision following primary total hip replacement: a cohort analysis of 1,026,481 hip replacements from the National Joint Registry	Michael Whitehouse, Rita Patel, Jonathan French, Andrew Beswick, Patricia Navvuga, Elsa Marques, Ashley Blom, Erik Lenguerrand	Michael Whitehouse
No 15	The 10-year revision-free survival of total hip arthroplasty in patients with a history of hip dysplasia is comparable to that of a total hip arthroplasty for osteoarthritis – a Dutch population-based registry study	Milou FT Hüsken, Joell Magré, Koen Willemsen, Liza N van Steenbergen, Mirthe HW van Veghel, Harrie Weinans, Ralph JB Sakkers, Joris EJ Bekkers, Bart CH van der Wal	Liza van Steenbergen
No 21	Does a collar improve the revision performance of cementless femoral stems? A study of 258,399 hips from the Australian Orthopaedic Association National Joint Replacement Registry	Peter L Lewis, Paul Smith, Michael McAuliffe, Catherine McDougall, Chris Wall, Carl Holder	Peter Lewis
No 29	Postoperative periprosthetic femoral fracture is the leading cause of major reoperation following total hip replacement: An analysis of linked data from the National Joint Registry and Hospital Episodes Statistics	Jonathan Nicholas Lamb, Hemant Pandit, J Mark Wilkinson, Michael Richard Whitehouse, Jonathan Thomas Evans	Jonathan Lamb
No 48	Increasing use of cemented stems is associated with reduced early fracture after total hip arthroplasty in MARCQI	Brian R Hallstrom, Huiyong Zheng, Richard E Hughes	Brian Hallstrom
No 95	Low demand cemented femoral stem designs and revision risk following the hemiarthroplasty treatment of geriatric hip fracture	Heather A Prentice, Ishan Shah, Kanu M Okike, Foster Chen, Brian H Fasig, Elizabeth W Paxton, Christopher D Grimsrud	Heather Prentice
No 114	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.	Karin Rilby, Mirthe H W van Veghel, Liza N van Steenbergen, Peter Lewis, Maziar Mohaddes, Johan Kärrholm, Wim Schreurs, Gerjon Hannink	Mirthe van Veghel



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No 122	Revision and mortality risk of Dual Mobility Cups in primary total hip arthroplasty in EPRD?	Arnd Steinbrück, Alexander W Grimberg, Anne Postler, Jörg Lützner, Oliver Melsheimer	Arnd Steinbrück
No 149	Re-revision risk of modular and monobloc revision stems after revision THA	Michael Morlock, Yinan Wu, Alexander Grimberg, Klaus-Peter Günther, Marc Michel, Carsten Perka	Michael Morlock

6.00 – 7.30

Welcome Reception

Venue: Radisson Blu Hotel



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Sunday June 2nd

7.00 – 8.00 Breakfast

7.30 – 8.00 Registration

8.00 – 10.00 Registries, regulators and implant manufactures

Moderators: Tim Wilton and Klaus Peter Günther

Which data from registries are needed?

No 6	Achieving consensus on a minimum dataset to assess the quality and analysis of registry data for the regulation of medical device performance in post-market surveillance	Lotje A Hoogervorst, Anne Lubekke-Wolff, Alan Fraser, Chris Wilkinson, David Epstein, Tom Melvin, Phil Walmsley, Chris Gale, Søren Overgaard, Maziar Mohaddes, Rob GHH Nelissen, Perla J Marang-van de Mheen	Perla Marang-van de Mheen
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Presenters:

Niamh Aspell (industry)

TBD (regulator)

Martyn Porter (notified body), Peter Howard (registry?)

10.00 – 10.30

Coffee & Posters

2 minute presentation poster walk (2 parallel walks)

Adjudicators: Jonathan Rees and Alexander Grimberg

Marina Torre and Rob Nelissen

Poster Walk 1

No 133	Italian Arthroplasty Regsitry (RIAP) at the European researchers' night. Case report.	Iuliia Urakcheeva, Simona Pascucci, Michela Franzò, Enrico Ciminello, Mascia Masciocchi, Paola Ciccarelli, Marina Torre	Iuliia Urakcheeva
No 35	Validation of the Arthroplasty Register of South Tyrol between 2010-2020 – Data analysis of the Sabes Hospitals (Public Health Company of the Autonomous Province of Bolzano/South Tyrol - Italy)	Marco Santarelli, Michael Engl, Roberto Picus	Marco Santarelli
No 5	The prevalence of prosthetic interventions in the Autonomous Province of Bolzano (Italy)	Roberto Picus, Paola Zuech, Massimo Arcadio, Weiss Sabine	Roberto Picus
No 140	Current state of robotic-assisted knee replacements in Canada	Carolyn Sandoval, Tianhong Cai, Ricky Chin, Pauline Chu, Michael Turner, Jason R Werle, Eric Bohm	Carolyn Sandoval



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No 116	Describing PROMs non-responders in the initial implementation of a Regional Shoulder Replacement Registry	Jarret Woodmass, Sarah Harris, Sheila McRae, Christiaan Righolt, Peter MacDonald, Eric Bohm	Christiaan Righolt
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Poster Walk 2

No 150	AAOS Shoulder and Elbow Registry assessment of inpatient and outpatient shoulder arthroplasty trends over time	Robert Tisherman, Oke Anakwenze, Ronald Navarro, Joaquin Sanchez-Sotelo, Carolyn Hettrich, Ayushmita De, Stephen Weber, Stephen Brockmeier, Grant Garrigues, Jed Kuhn, Patrick St Pierre, Samuel Taylor, Gerald Williams	Ayushmita De
No 74	Analysis of Western Ontario Osteoarthritis of the shoulder index, and the performance of the score in the Swedish shoulder arthroplasty registry	Adam Gustafsson, Adam Lindfors, Erica Domeij Arverud, Björn Salomonsson	Björn Salomonsson
No 75	EQ-5D performs well in the Swedish Shoulder Arthroplasty Registry	Weronika Brzuchalska, Björn Salomonsson	Björn Salomonsson
No 76	Arthroplasty as treatment of traumatic elbow fractures	Cajsa Jonsson, Björn Salomonsson	Björn Salomonsson
No 77	Pyrocarbon shoulder hemiarthroplasty in comparison to total and reverse shoulder arthroplasty: an analysis of the Swedish Shoulder Arthroplasty Registry.	Rikard Karberg, Kristofer Hallberg, Björn Salomonsson	Björn Salomonsson

10.30 – 12.00

Podium Presentations: Infection

5 minute presentation and 2 minute discussion

Moderators: Maziar Mohaddes and Carsten Perka

What's new? Ashley Blom: (20 min)

No 14	Periprosthetic joint infection after knee arthroplasty is underreported in the Danish Knee Arthroplasty Register	Marie Anneberg, Eskild Bendix Kristiansen, Anders Troelsen, Per Gundtoft, Henrik Toft Sørensen, Alma B Pedersen	Marie Anneberg
No 32	Periprosthetic joint infections in total hip and knee arthroplasties: re-revision rates, patient survival and microbiological factors using a combined dataset from the Dutch Arthroplasty Register and the Dutch National Nosocomial Surveillance Network	Mirthe H W van Veghel, Liza N van Steenberg, Heiman F L Wertheim, Tjallie I I van der Kooij, B Willem Schreurs, Gerjon Hannink	Mirthe van Veghel



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No 44	What factors are associated with septic revision in constrained and unconstrained TKA compared to UKA? A register-based study from the German Arthroplasty registry	Dominik Szymski, Nike Walter, Josina Straub, Yinan Wu, Oliver Melsheimer, Alexander Grimberg, Volker Alt, Arnd Steinbrueck, Markus Rupp	Josina Straub
No 69	The influence of gender on the risk of revision for infection in joint replacement	Paul N Smith, David RJ Gill, Michael J McAuliffe, Catherine McDougall, James D Stoney, Christopher J Vertullo, Christopher J Wall, Dylan Harries, Michelle Lorimer, Peter L Lewis	Paul Smith
No 89	Survivorship following debridement, antibiotics and implant retention (DAIR) in 4693 infected total knee arthroplasties; long-term survival and repeat revision risks	Nicolai Kjældgaard Kristensen, Michelle Lorimer, Dylan Harries, Paul Smith, David Campbell	Nicolai Kjældgaard Kristensen
No 146	What are the incidence and outcomes of debridement, antibiotics and implant retention (DAIR) for the treatment of periprosthetic joint infections in the AJRR population?	Brian P Chalmers, Bryan D Springer, Ayushmita De, James A Browne, David G Lewallen, Jeffrey B Stambough	Jeffrey Stambough
No 135	Re-revision and mortality rate in septic revision total hip arthroplasties – an underestimated problem	Martin Resl, Luis Becker, Arnd Steinbrück, Yinan Wu, Carsten Perka	Martin Resl
No 136	Critical revision and mortality rates within the first year after septic total knee revision arthroplasty – a registry analysis	Luis Becker, Martin Resl, Alexander Grimberg, Yinan Wu, Clemens Gwinner, Carsten Perka	Luis Becker
No 17	Excess mortality associated with hip arthroplasty revisions for infections persists beyond 10-years: a registry analysis	Peter L Lewis, David G Campbell, Joshua S Davis, Richard N de Steiger, Ian A Harris, Dylan Harries	Peter Lewis
No 117	Interaction effect and excess risk of infection after hip fracture surgery in multimorbid patients: a nationwide registry-based cohort study of 92,599 patients	Cecilia M Hansen, Nadia R Gadgaard, Christina M J E Vandenbroucke-Grauls, Nils P Hailer, Alma B Pedersen	Cecilia Hansen

12.00 – 12.45

Lunch

12.45 – 1.30

Podium Presentations: Knee

5 minute presentation and 2 minute discussion

Moderators: Liza van Steenberg and Alma Pedersen

No 70	The revision outcome of total knee replacement using robotic arm-assistance in surgeon and prosthesis matched cohorts	Michael McAuliffe, Peiyao Du, Christopher J Vertullo, Paul N Smith, Price Gallie, Gavin Clark, Richard Steer, Anthony Silva	Christopher Vertullo
No 50	Survivorship at 5 years of uncemented total knee replacement varies by age and sex and is not superior in younger men	Brian R Hallstrom, Huiyong Zheng, Tae Kim, Lisheng Chen, Richard E Hughes	Brian Hallstrom



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No 105	Revision risk following primary total knee arthroplasty using cementless versus cemented prosthesis between two manufacturers	Foster Chen, Richard Chang, Heather A Prentice, Brian H Fasig, Elizabeth W Paxton, Matthew P Kelly, Kevin Hug	Matthew Kelly
No 109	Best timing of bilateral total knee arthroplasty - Analysis of revision and mortality rates from the EPRD	Jörg Lützner, Yinan Wu, Paula Krull, Oliver Melsheimer, Alexander Grimberg, Arnd Steinbrück, Klaus-Peter Günther, Anne Postler	Jörg Lützner
No 20	The relative contribution of ASA score and BMI to revision risk following total knee replacement	Chris Wall, Richard de Steiger, Chris Vertullo, Dylan Harries, Srinivas Kondalsamy-Chennakesavan	Chris Wall
No 58	Body mass index is not associated with risk for mechanical loosening following primary total knee arthroplasty: An analysis from the American Joint Replacement Registry (AJRR)	Dencel A García Vélez, Isabella Zaniletti, Kyle Mullen, Ayushmita De, Ryan Martin, Jason M Jennings, Ryland Kagan, Vishal Hegde	Dencel García Vélez

1.30 – 2.10

Podium Presentations: Upper extremity and general topics

5 minute presentation and 2 minute discussion

Moderators: Jonathan Rees and Alexander Grimberg

No 102	International trends in shoulder replacement surgery and changes in practice	Neal Rupani, Christophe Combescure, Alan Silman, Anne Lubbeke, Jonathan Rees	Neal Rupani
No 3	Reverse total shoulder replacement versus anatomical total shoulder replacement for osteoarthritis: Clinical outcomes and cost evaluation using linked national data	Epaminondas Markos Valsamis, Albert Prats-Urbe, Ian Koblbauer, Sophie Cole, Adrian Sayers, Michael Whitehouse, Gary Collins, Rafael Pinedo-Villanueva, Daniel Prieto-Alhambra, Jonathan Rees	Epaminondas Markos Valsamis
No 78	Outcomes after shoulder arthroplasty in uncommon and low frequency diagnoses – an analysis of the Swedish Shoulder Arthroplasty Registry	Amanda Ancher Book, Björn Salomonsson	Björn Salomonsson
No 23	The demographics and longer-term revision outcomes of radial head arthroplasty in Australia	Narinder Kumar, Belinda Gabbe, Richard Page, Sze-Ee Soh, David Gill, Dylan Harries, Ilana Ackerman	Richard Page
No 79	Revision rates and patient reported outcomes of elbow arthroplasty	Tommy Engström, Björn Salomonsson	Björn Salomonsson



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2.10 – 2.40

Coffee & Posters

2 minute presentation poster walk (2 parallel walks)

Adjudicators: Maziar Mohaddes and Michael Morlock
Alma Pedersen and Adrian Sayers

Poster Walk 1

No 1	Cementless femoral stem brand performance for hemiarthroplasty treatment of geriatric hip fractures	Ishan Shah, Heather A Prentice, Kanu M Okike, Ronald A Navarro, Brian H Fasig, Elizabeth W Paxton, Christopher D Grimsrud	Heather Prentice
No 40	The association between markers of socioeconomic position and risk of infection after surgery for hip fracture: a nationwide cohort study of 54,853 Danish patients	Nadia Roldsgaard Gadgaard, Claus Varnum, Rob Nelissen, Christina Vandembroucke-Grauls, Henrik Toft Sørensen, Alma B Pedersen	Alma B Pedersen
No 94	The association between cephalomedullary nail design and aseptic revision risk following surgical treatment of hip fracture in an elderly cohort of 18,026 patients	Kanu Okike, Richard N Chang, Ronald A Navarro, Cameron Sadeghi, Brian H Fasig, Elizabeth W Paxton, Kathryn E Royse	Heather Prentice
No 137	Revision total joint arthroplasty: A five-year overview	Allina Nocon, Eytan Debbi, Elizabeth Gausden, Jason Blevins, Friedrich Boettner, Peter Sculco, Thomas Sculco	Friedrich Boettner
No 12	Role of implant bearing surfaces on non-revision reoperation, rehospitalisation and mortality outcomes following primary total hip replacement across a national healthcare system: evidences from the National Joint Registry	Michael Whitehouse, Rita Patel, Jonathan French, Andrew Beswick, Patricia Navvuga, Elsa Marques, Ashley Blom, Erik Lenguerrand	Michael Whitehouse
No 141	15-year outcome of conversion of fused hips to total hip arthroplasty: data based on the Egyptian Community Arthroplasty Register	Mahmoud A Hafez, Hassan A Ebrahim, Ahmed Tamer, Mohamed S Kotb, Ahmed Toreih, Ahmad Yaman Kebbe	Ahmad Yaman Kebbe

Poster Walk 2

No 24	Elective total hip arthroplasty and one-year patient-reported outcomes in (super) obese patients in Manitoba, Canada	Christiaan Righolt, Jhase Sniderman, Thomas Turgeon, Eric Bohm	Christiaan Righolt
No 33	Discontinuing the recommendation of hip precautions does not increase the risk of early dislocation after primary total hip arthroplasty – A population-based study from the Danish Hip Arthroplasty Register	Afrim Iljazi, Michala Skovlund Sørensen, Matilde Winther-Jensen, Søren Overgaard, Michael Mørk Petersen	Afrim Iljazi



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No 4	Catastrophic acetabular cup failure as a model of large amount of periprosthetic Titanium alloy debris accumulation <i>in vivo</i>	Samo K Fokter, Esther Punzón-Quijorna, Živa Ledinek, Igor Novak	Samo Fokter
No 9	Multimorbidity measured with Charlson Comorbidity Index is associated with an increased risk of revision after primary total hip arthroplasty – a population-based cohort study on 98,647 Danish patients from 1995-2018	Rikke Sommer Haaber, Katrine Glintborg Iversen, André Sejr Klenø, Martin Bækgaard Stisen, Inger Mechlenburg, Alma Bécic Pedersen	Rikke Sommer Haaber
No 99	Association between bladed stem design and revision for periprosthetic fracture risk following total hip arthroplasty	Dhiren S Sheth, Richard Chang, Vivek Mohan, Brian H Fasig, Elizabeth W Paxton, Heather A Prentice	Liz Paxton

2.40 – 3.30

Podium Presentations: General topics

5 minute presentation and 2 minute discussion

Moderators: Marina Torre and Rob Nelissen

No 37	Patterns of blood metal ions levels after metal-on-metal total hip arthroplasty, and associations with clinical symptoms	Amanda I Gonzalez, Nicolas Silvestrini, Cody Fournier, Robin Peter, Didier Hannouche, Anne Lubbeke	Amanda Gonzalez
No 26	Explanatory factors for the survival benefit after hip and knee arthroplasty among osteoarthritis patients	Jan M Heijdra Suasnabar, Maaïke Gademan, Liza van Steenbergen, Ewout Steyerberg, Rob Nelissen, Wilbert van den Hout	Maaïke Gademan
No 66	Can peer review accurately predict revisions? Initial findings	Antoine Dymond	Antoine Dymond
No 147	Is American Joint Replacement Registry consistent with device-specific survivorship in international hip and knee arthroplasty registries? A comparative analysis	James I Huddleston, Bryan D Springer, Kyle Mullen, Patrick Donnelly, Keith Tucker	James Huddleston
No 93	A comparison of comorbidity measures for predicting revision after hip and knee replacement: A cohort study of data from the National Joint Registry in England	Tim Jones, Kevin Deere, Jonathan Evans, Andrew Judge, Adrian Sayers, Michael Whitehouse	Adrian Sayers
No 139	Comparing patient characteristics and clinical outcomes between day surgery and inpatient hip and knee arthroplasty in Canada	Ricky Chin, Tianhong Cai, Carolyn Sandoval, Michael Turner, Jason R Werle, Eric Bohm	Carolyn Sandoval
No 13	Costs, quality of life, and revision risk in the year after elective primary and revision hip replacements by implant bearing materials: Evidences from the National Joint Registry (NJR), Hospital Episode Statistics (HES) and Patient Reported Outcome Measures(PROMS) databases	Michael Whitehouse, Patricia Navvuga, Erik Lenguerrand, Rita Patel, Jonathan French, Ashley Blom, Elsa Marques	Michael Whitehouse



International Society of Arthroplasty Registries

2024-04-16

3.30 – 3.45 **ISAR Update – Eric Bohm and Anne Lübbecke**

3.45 – 4.15 **IPL**

4.15 – 5.00 **ISAR Business meeting (ISAR paying members)**

5.00 – 6.00 **ISAR Working Group meetings (only for members of Work Groups)**

7.00 **Congress dinner**
Venue: Rickmer Rickmers (museum ship)

Landungsbrücken, Ponton 1a, 20359 Hamburg

<https://www.rickmer-rickmers.de>



International Society of Arthroplasty Registries

2024-04-16

Monday June 3rd

7.00 – 8.00

Breakfast

8.00 – 9.00

The importance of PROMs and how we interpret and use them

Moderators: Ilana Ackerman and Brian Hallstrom

8.00 – 8.08

Why are PROMs Important?

Lina Holm Ingelsrud

8,08 – 8.12

Discussion, Q&A

8.12 – 8.20

Crosswalks in PROMs. How do we collaborate?

Ilana Ackerman

8.20 – 8.24

Discussion, Q&A

8:24 – 8.32

How do we analyze PROMs for individuals and groups?

Ola Rolfson

8.32 – 8.36

Example 1: PROMs at patient level

Eric Bohm

8.36 – 8.40

Example 2: PROMs at group level (implants)

Brian Hallstrom

8.42 – 8.46

Minimal Differences vs. Substantial Differences

Brian Hallstrom

8.46 – 9.50

PROMS, Expectations and Satisfaction

Jörg Lützner

9.50 - 10.00

PROMs Session Discussion, Q&A

9.00 – 9.45

Podium Presentations: PROMs

5 minute presentation and 2 minute discussion

Moderators: Ola Rolfson and Jörg Lützner

No 65	In hip and knee arthroplasty, missing patient-reported outcome is associated with poorer scores and markedly increased mortality	Simon Kornvig, Signe Timm, Thomas Jakobsen, Kirill Gromov, Claus Varnum	Simon Kornvig
No 148	How do patients who are dissatisfied after primary total knee replacement respond to patient-reported outcome measures? Analysis of data from the Australian Orthopaedic Association National Joint Replacement Registry	Richard de Steiger, Kara Cashman, Sze-Ee Soh, Ian Harris, Stephen Graves, Ilana Ackerman	Richard de Steiger
No 97	Do certain WOMAC individual items discriminate better than others between two knee implant stability designs, posterior stabilized or medial pivot, one year after total knee arthroplasty?	Marys Franco Carvalho, Thomas Perneger, Christophe Barea, Hermes Miozzari, Didier Hannouche, Anne Lübbecke	Marys Franco Carvalho
No 100	Do certain WOMAC individual items influence more than others patient satisfaction one year after total hip and knee arthroplasty?	Marys Franco Carvalho, Thomas Perneger, Christophe Barea, Hermes Miozzari, Didier Hannouche, Anne Lübbecke	Marys Franco Carvalho



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No 98	The effect of patella resurfacing or retaining on pain outcomes following primary knee arthroplasty, A comparison of cruciate retaining and posterior stabilized implants	Lynn Lethbridge, Elise K Laende, Alfred Phillips, Emily Johnson, C Glen Richardson, Michael J Dunbar	Lynn Lethbridge
No 90	Impact of self-reported health on the risk of opioid use after total hip arthroplasty in patients with osteoarthritis	André S Klenø, Maaïke GJ Gademan, Inger Mechlenburg, Henrik T Sørensen, Nina M Edwards, Alma B Pedersen	Alma Becic Pedersen

9.45 – 10.15

Coffee & Posters

2 minute presentation poster walk (2 parallel sessions)

Adjudicators: Ilana Ackerman and Brian Hallstrom
Lina Holm Ingelsrud and Ola Rolfson

Poster Walk 1

No 107	Impact of surgeon variability on septic revision rates following total hip arthroplasty: An analysis of the Valdoltra Arthroplasty Registry	Simon Kovač, Mateja Blas, Vesna Levašič	Simon Kovač
No 110	Gender differences in PROMs after THA and TKA - Analysis from the Dresden Hip and Knee Registry	Jörg Lützner, Jana Gilke, Franziska Beyer, Cornelia Lützner, Klaus-Peter Günther, Anne Postler	Cornelia Lützner
No 145	Who is caring for TKA patients with PJI in the United States?	Nicholas Bedard, Ayushmita De, Kyle Mullen, Isabella Zaniletti	Ayushmita De
No 46	Minimal important change thresholds change over time after knee and hip arthroplasty	Lasse Kindler Harris, Anders Troelsen, Berend Terluin, Kirill Gromov, Lina Holm Ingelsrud	Lina Holm Ingelsrud
No 96	Female sex and a higher ASA score increased the 90-day risk of periprosthetic fracture in two distinct registries	Anne Lübbecke, R Pinedo-Villanueva, Dieder Hannouche, L Chen, H Zheng, Q Zhu, Brian Hallstrom, Richard Hughes	Anne Lübbecke

Poster Walk 2

No 52	PROMs collection method by timeframe: Different strategies for different times	Brian R Hallstrom, Qi Zhu, Joe Brooks, Tae Kim	Brian Hallstrom
No 59	Similar patient-reported outcome two years after hip and knee arthroplasty in patients with and without metabolic syndrome	Rasmus Reinholdt Sørensen, Signe Timm, Lasse Enkebølle Rasmussen, Claus Lohman Brasen, Claus Varnum	Rasmus Reinholdt Sørensen



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No 85	Comparing the response rate of Patient Reported Outcome Measures (PROMs) in the National Arthroplasty Registry of Slovenia	Eva Podovšovnik, Vesna Levašič	Eva Podovšovnik
No 86	Comparing summarised and factor scores for Oxford Hip Score and Oxford Knee Score	Eva Podovšovnik, Vesna Levašič	Eva Podovšovnik
No 87	Implementing PROMs to the computer application of the National Arthroplasty Registry of Slovenia (RES)	Vesna Levašič, Eva Podovšovnik	Vesna Levašič

10.15 – 11.00

Keynote Speaker (45 min): Martin Korte
How Digital Media Impact the Brain
Introduction: Jörg Lützner

11.00 – 11.45

Podium Presentations: PROMs and general topics
5 minute presentation and 2 minute discussion
Moderators: Eric Bohm and Adrian Sayers

No 30	A retrospective analysis comparing the patient-reported outcome measures (PROMs) of a matched cohort of inpatient and day surgery joint replacement patients	Shannon Weir-Seeley, Clarissa Encisa, Robin Santiago, Michael Turner, Nicole Montgomery, Paige Smith, James Waddell, Sarah Ward, Eric Bohm	Michael Turner
No 53	Wide variation in Patient Reported Outcome Measures (PROMS) improvement at the surgeon level	Huiyong Zheng, Wesley Mesko, Richard E Hughes, Brian R Hallstrom	Brian Hallstrom
No 56	Different results of individual outcome for THA/TKA in SIRIS? Amelioration rates measured with treatment effect, responder method, MCID, and PASS	Joerg Huber, Christian Brand, Lilianna Bolliger, Bernhard Christen, Vilijam Zdravkovic, Martin Beck	Joerg Huber
No 41	Quality improvement drive (QID) for opioid prescription in total hip and knee arthroplasty	Michael De Villiers, Antoine Dymond	Michael De Villiers ??
No 63	Psychopharmacological treatment does not influence patient-reported improvements after hip or knee arthroplasty	Simon Kornvig, Henrik Kehlet, Christoffer Calov Jørgensen, Anders Fink-Jensen, Poul Videbech, Thomas Jakobsen, Kirill Gromov, Claus Varnum	Simon Kornvig
No 119	The recovery from the COVID-19 induced joint replacement deficit in England, Wales and Northern Ireland has not yet begun: an analysis of the National Joint Registry	Jon French, Kevin Deere, Tim Jones, Derek Pegg, Mike Reed, Michael R Whitehouse, Adrian Sayers	Michael Whitehouse

11.45 – 12.30

Lunch



2024-04-16

12.30 – 1.00

Fellowship updates

Moderator: Eric Bohm
Peter Cnudde (No 91)
Lina Holm Ingelsrud

1.00 – 2.15

Podium Presentations: Hip and Infection

5 minute presentation and 2 minute discussion
Moderators: Paul Smith and Martin Beck

No 31	Validation of the incidence of reported periprosthetic joint infections in total hip and knee arthroplasty in the Dutch Arthroplasty Register	Mirthe H W van Veghel, Maartje Belt, Anneke Spekenbrink-Spooren, Martijn F L Kuijpers, Tjallie I I van der Kooi, B Willem Schreurs, Gerjon Hannink	Mirthe van Veghel
No 43	Aseptic and septic revisions in unicondylar knee arthroplasty	Markus Rupp, Nike Walter, Johannes Weber, Yinan Wu, Oliver Melsheimer, Alexander Grimberg, Volker Alt, Arnd Steinbrueck, Dominik Szyski	Markus Rupp
No 7	Bone cement in primary total knee replacement - A register-based study from the Swedish Arthroplasty Register	Annette W-Dahl, Perna Ighani Arani, Ola Rolfson	Annette W-Dahl
No 51	No association between infection and the use of antiseptic or antibiotic irrigation, nor with antibiotic powder during total hip and knee arthroplasty	Brian R Hallstrom, Huiyong Zheng, Devon Larese, Tae Kim, Elizabeth Dailey	Elizabeth Dailey
No 68	More revisions due to infection with use of Refobacin Bone Cement R than with Palacos R+G - analysis of total hip arthroplasties in the Swedish Arthroplasty Register 2012-2022	Johan Kärrholm, Raéd Itayem, Vasileios Angelomenos, Maziar Mohaddes, Cecilia Rogmark, Ola Rolfson	Ola Rolfson
No 71	The outcome of two stage revisions for infection in hip replacement	Paul N Smith, David RJ Gill, Michael J McAuliffe, Catherine McDougall, James D Stoney, Christopher J Vertullo, Christopher J Wall, Dylan Harries, Michelle Lorimer, Peter L Lewis	Paul Smith
No 129	Are reoperations of the hip followed by an increased rate of hip revisions?	Martin Beck, Christian Brand, Lilianna Bolliger, Bernhard Christen, Vilijam Zdravkovic	Martin Beck
No 121	180-day mortality following revision surgery of a hip replacement. An observational study of the National Joint Registry	Kevin Deere, Linda P Hunt, Adrian Sayers, Andrew Beswick, Michael R Whitehouse, James Mason, Ashley W Blom	Michael Whitehouse
No 62	Posterior or the anterolateral Watson Jones approach for hemiarthroplasty? - Results from the Norwegian Hip Fracture Register	Raymond A Tellefsen, Lene Bergendal Solberg, Lars Nordsletten, Terje Ugland, Jan-Erik Gjertsen, Eva Dybvik, Torbjørn Berge Kristensen	Raymond Tellefsen



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No 39	The rise of the direct anterior approach. Trends, learning curve and patient characteristics of 63,182 primary total hip arthroplasties in the Dutch Arthroplasty Register (LROI)	Luuk Rietbergen, Bart-Jan van Dooren, Wierd P Zijlstra, Inger N Sierevelt, B Willem Schreurs, Liza N van Steenbergen, Stan C J Vos	Bart van Dooren
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2.15 – 2.45

Working Group Updates

Moderator: Anne Lübbecke

Presenters:

IPL – Eric Bohm

Bench/Signl/Stat – Adrian Sayers or Richard de Steiger

PROMs – Brian Hallstrom

Education – Anne Lübbecke

2.45 – 3.00

Update on next ISAR Congress

3.00 – 3.30

Awards / Wrap Up