1st INTERNATIONAL CONGRESS OF ARTHROPLASTY REGISTRIES, BERGEN, Norway, 20 – 22 May, 2012

20.05 Sunday
17.00-18.30 Registration (Radisson Blu Hotel Norge)
18.45-22.0 Social program. Dinner at Ulriken mountain restaurant with cablecar trip

21.05 Monday
08.00-8.20 Registration (Radisson Blu Hotel Norge)
08.20-08.25 Welcome
Ove Furnes, MD, PhD, ISAR past president and chairman organising committee
08.25-08.35 Opening of congress
CEO Stener Kvinnsland, MD, PhD, Haukeland University Hospital

Methodology, statistics and quality improvement

Moderators:
Henrik Malchau, MD, PhD, Professor Harvard Medical School, Boston, USA
Ove Furnes, MD, PhD, Professor of Orthopaedic Surgery, Haukeland University Hospital, Bergen, Norway

08.35-09.00 1 Health registries in Norway – how can they improve health?
Stein Emil Vollset, MD, PhD, Professor in epidemiology, University of Bergen, former leader The Norwegian Birth Registry, Norwegian Institute of Public Health, Oslo, Norway

09.00-09.25 2 Observational studies vs. RCTs.
Anders Ekbom, MD, PhD. Professor in epidemiology. Karolinska Institutet, Stockholm, Sweden

09.25-09.45 3 Quality improvement – the scientific evidence
Anne Høye, MD, Head of registry unit, SKDE, Tromsø, Norway

09.45-10.05 4 The value of arthroplasty registry data and how they can be improved
Stephen Graves, MD, PhD, Professor and Director Australian National Joint Replacement Registry, Adelaide, Australia

10.05-10.45 5 Guidelines for statistical analysis of arthroplasty data
Jonas Ranstam, PhD, Director RC Syd, Skåne University Hospital, Lund, Sweden

10.45-11.00 6 Quality registries contributing to a paradigm shift in health care management
Andreas Ringman-Uggla, MD, PhD, Boston Consulting Group

11.00-11.30 Tea/coffee and Poster session

11.30-12.30 Free papers: Methodology, statistics and quality improvement

Moderators:
Elizabeth Paxton, MA, Director of Kaiser Permanente Total Joint Registry, San Diego, USA
Art Sedrakyan, MD, PhD, Associate Professor of Public Health, Weill Cornell Medical College, New York, USA
7 Introduction of joint arthroplasty register in Lithuania. First year results.  
S Tarasevicius

8 The Italian Arthroplasty Registry  
Torre et al

9 American Joint Replacement Registry (AJRR): Current issues in implementation  
CD Etkin and DG Lewallen

10 The management of implant outlier performance in England and Wales  
K Tucker et al

11 The Catalan Arthroplasty Register (RACat): experience of development and implementation of the first regional register in Spain  
V Serra-Sutton et al

12 Patients not gaining pain relief after total knee arthroplasty  
A W-Dahl et al.

12.30-13.30 Lunch

Surveillance of implants

Moderators:
Stephen Graves, MD, PhD, Professor and Director Australian National Joint Replacement Registry, Adelaide, Australia  
Leif Ivar Havelin MD, PhD, Professor University of Bergen and the Norwegian Arthroplasty Register, Haukeland University Hospital, Bergen, Norway

13.30-13.45 13 National Joint Registry (NJR) of UK and Wales, the world largest joint registry – future perspectives  
Keith Tucker, FRCS, The National Joint Registry of England and Wales

13.45-14.00 14 The stepwise introduction of implants – why are we not there yet?  
Henrik Malchau, MD, PhD, Professor Harvard Medical School, Boston, USA

14.00-14.15 15 Food and Drug Administration (FDA)/International Collaboration of orthopaedic registries (ICOR) – How can regulatory bodies contribute to improvement in joint replacement surgery.  
Art Sedrakyan, MD, PhD, Associate Professor of Public Health, Weill Cornell Medical College, New York, USA  
Danica Marinac-Dabic, MD, PhD, Director Division of Epidemiology, Office of Surveillance and Biometrics, Center for Devices and Radiological Health, FDA, Silver Spring, USA

14.15-14.30 16 How can registries cooperate with industry in a constructive way?  
Pamela L Plouhar, PhD, Vice president, WW Clinical Affairs DePuy Orthopaedics

14.30-14.45 17 Identification of inferior implants. What we have done in Norway.  
Leif Ivar Havelin, MD, PhD, Professor University of Bergen and the Norwegian Arthroplasty Register, Haukeland University Hospital, Bergen, Norway

14.45-15.20 Tea/coffee and Poster session

15.20-16.45 Free papers: Surveillance of implants and techniques

Moderators:
Stephen Graves, MD, PhD, Professor and Director Australian National Joint Replacement Registry, Adelaide, Australia  
Leif Ivar Havelin MD, PhD, Professor University of Bergen and the Norwegian Arthroplasty Register, Haukeland University Hospital, Bergen, Norway

18 How many cases must be enrolled to detect inferior implants using joint registry data?  
CB Noel and PC Noble
Can registries influence surgeon behavior? The twenty-year experience of a community-based total joint registry
TJ Gioe et al

The results of a UKR revision to TKR are better if a stemmed tibial base plate is used
D Davidson et al

Independent predictors of revision following 35,386 Corail-Pinnacle cementless hip replacements - A retrospective cohort study using National Joint Registry data
SS Jameson et al

Independent predictors of revision following 27,971 hip resurfacing arthroplasties - A retrospective cohort study using National Joint Registry data
SS Jameson et al

Hip resurfacing arthroplasty versus large head metal on metal total hip arthroplasty – comparison of three designs from the Finnish Arthroplasty Register
M Junnila et al

Head size and dislocation revision rate in total hip arthroplasty. A population based analysis from the Finnish Arthroplasty Register
I Kostensalo et al

A pilot project for the Japan Arthroplasty Register.
H Akiyama et al

The world’s first quality improvement registry; the National Leprosy Registry of Norway.
Lorentz Irgens, MD, PhD, Professor University of Bergen, Norway

Guided tour, visit to the Leprosy museum and dinner
22.05 Tuesday

International collaboration

**Moderators:**
Keijo Mäkelä, MD, PhD, Orthopaedic surgeon, Head of Arthroplasty Unit of Turku University Hospital Turku, Finland
Gerold Labek, MD, Vice-President European Arthroplasty Register, Innsbruck Medical University, Austria

08.30-08.40  **27** International collaboration – the NARA perspective
Göran Garellick, MD, PhD, Director the Swedish Hip Arthroplasty Register, Sahlgrenska University Hospital, Gothenburg, Sweden

08.40-09.10  **Free papers: The Nordic Arthroplasty Register Association**

28 The Nordic Arthroplasty Register Association. Report from an unique collaboration
*AM Fenstad et al*

29 Increasing risk of revision due to infection after total hip arthroplasty
2,661 revisions due to infection after 441,706 primary THAs in the Nordic Arthroplasty Register Association's dataset
*H Dale et al*

30 Increased risk of revision in patients with non-traumatic femoral head necrosis
*C Bergh et al*

09.10-09.20  **31** International collaboration the EAR perspective
Gerold Labek, MD, Vice-President European Arthroplasty Register, Innsbruck Medical University, Austria

09.20-10.00  **Free papers: The European Arthroplasty Register**

32 Implementation of modern cementing techniques by a national arthroplasty register
*Libor Nečas, Slovakia*

33 Preview findings from the 10-year annual report
*Cristian Ioan Stoica, Romania*

34 Structure and organization of the German Arthroplasty Registry
*J Hassenpflug, Germany*

35 Register documentation based on DRG – why it was not sufficient in Italy
*Torre M, Italy*

10.00-10.20  Tea/coffee and Poster session

10.20-11.30  **The International Consortium of Orthopaedic Registries**

**Moderators:**
David G Lewallen MD, Professor Mayo Clinic, Rochester, USA and Chairman American Joint Replacement Registry
Robert Namba, MD, Kaiser Permanente Total Joint Registry, San Diego, USA

10.20-10.30  **36** Introduction and Overview - International scientific collaboration the ICOR perspective
*Elizabeth W Paxton, MA, Director of Kaiser Permanente Total Joint Registry, San Diego, US*

10.30-11.00  **37** Hip Bearing Surfaces
Development of study protocol and project template
*Ove Furnes, MD, PhD, Professor of Orthopaedic Surgery, Haukeland University Hospital, Bergen, Norway*
Creating SAS syntax based on study template and running the syntax on Kaiser Permanente data
Elizabeth Paxton, MA, Director of Kaiser Permanente Total Joint Registry, San Diego, USA
Experience running syntax on Australian Orthopaedic Association National Joint Replacement Registry
Stephen Graves, MD, PhD, Professor and Director
Australian National Joint Replacement Registry, Adelaide, Australia
Experience running syntax on Norwegian Arthroplasty Register
Ove Furnes
Aggregated study results and clinical considerations
Ove Furnes

11.00-11.10 38 Mobile versus Fixed Bearing Total Knee Arthroplasty (TKA) Designs
Development of study protocol and project template
Robert Namba, MD, Kaiser Permanente Total Joint Registry, San Diego, USA

11.10-11.20 39 Global Standardized Database
Development of project approach and findings from standardizing mobile and fixed bearing knee designs
Stephen Graves, MD, PhD, Professor and Director
Australian National Joint Replacement Registry, Adelaide, Australia

11.20-11.30 Discussion

11.30-12.30 Workshop:
Establishing and maintaining high quality orthopaedic registries

Moderator
Lars B. Engesæter MD, PhD Professor University of Bergen and Head The Norwegian Arthroplasty Register, Bergen, Norway
Richard de Steiger MD, Deputy-Director the Australian National Joint Replacement Registry, Adelaide, Australia

11.35-11.40 The Norwegian experience with infection in THA
Lars B. Engesæter

11.40-11.45 Helping new registries and minimal dataset
Gerold Labek, MD, Vice-President European Arthroplasty Register, Innsbruck Medical University, Austria

11.45-11.50 PROM and open comparison of hospital and surgeon results
Göran Garellick, MD, PhD, Director the Swedish Hip Arthroplasty Register, Sahlgrenska University Hospital, Gothenburg, Sweden

11.50-11.55 Implant tracking and database
Otto Robertsson, MD, PhD, Manager the Swedish Knee Arthroplasty Register, Lund, Sweden

11.55-12.00 Stephen Graves (outlier analysis on prostheses and handling government and regulations)

12.00-12.05 Surgeons online access to their own data
Richard de Steiger

12.05-12.10 Collection of variables electronic or paper
Elizabeth Paxton, MA, Director of Kaiser Permanente Total Joint Registry, San Diego, USA

12.10-12.15 Contact with surgeons and secretaries
Kajsa Erikson, Register Coordinator, Swedish Hip Arthroplasty Register, Gothenburg, Sweden

12.15-12.30 Discussion

12.30-13.30 Lunch
13.30-15.10  **Linkage studies, Retrieval studies, Patient Reported Outcome Measures and other approaches**

**Moderators:**
Alma B Pedersen, MD, PhD, Competence Centre North, Dept of Clinical Epidemiology, Aarhus University Hospital, Denmark
Stein Atle Lie, PhD, Professor University of Bergen, Norway

13.30-13.40  **40** Retrieval studies and registries
*Peter Ellison, PhD, University of Bergen, Norway*
*Geir Hallan, MD, PhD, The Norwegian Arthroplasty Registry, Haukeland University Hospital, Bergen, Norway*

13.40-13.50  **41** Linkage studies
*Alma B Pedersen*

13.50-14.00  **42** The Cochrane Collaboration on arthroplasty reviews and the role of evidence coming from registries. A difficult but necessary way forward.
*Gustavo Zanoli, MD, PhD, Italy, Surgical Editor, Cochrane MusculoSkeletal Group (CMSG)*

14.00-14.10  **43** Impact of Slovakian Arthroplasty Registry on total hip replacement in Slovakia.
*Libor Necas, MD, Head of the Slovakian Arthroplasty Register, Slovakia*

14.10-14.20  **44** The LROI, the Hip and Knee Prostheses Registry of the Netherlands
*Rob Nelissen, MD, PhD Professor University of Leiden, The Netherlands*

14.20-14.30  **45** The German implant data base
*Wilhelm Bloemer, Aesculap, Germany*

14.30-14.40  **46** Patient reported outcomes (PROM) in THA.
*Ola Rolfson, MD, PhD, Sahlgrenska University Hospital, Gothenburg, Sweden*

14.40-14.50  **47** Patients reported outcome (PROM) in TKA and UKA. Experience from the New Zealand Joint Register.
*Peter Devane, MD, Consultant orthopaedic surgeon, Wellington, New Zealand*

14.50-15.00  **48** Modelling causal inference on registry data.
*Stein Atle Lie*

15.10-15.30  **Tea/Coffee and Poster session**

15.30-17.00  **Free papers:**
**Linkage studies, retrieval studies, PROM and other approaches**

**Moderators:**
Alma B Pedersen, MD, PhD, Competence Centre North, Dept of Clinical Epidemiology, Aarhus University Hospital, Denmark
Göran Garellick, MD, PhD, Director the Swedish Hip Arthroplasty Register, Sahlgrenska University Hospital, Gothenburg, Sweden

**49** Clinical impact of national registration of hemiarthroplasties
*C Rogmark et al*

**50** The Norwegian Hip Fracture Register
*JE Gjertsen et al*

**51** Reliability of data in the Danish Shoulder Arthroplasty Registry: response bias in the evaluation of functional outcome
*A Polk et al*

**52** FORCE-TJR: Innovative design for a national TJR comparative effectiveness research database including level 1, 2 and 3 data.
*PD Franklin et al*
53 Comparison of patient reported outcome measures following total and unicompartmental knee replacement
  
  P Baker et al

54 Anxiety and depression predicts healthcare utilization after total hip replacement
  
  O Rolfson et al

55 Predicting re-operations within 2 years after primary total hip replacement using comorbidity scores
  
  M Gordon et al

56 The impact of marketing strategies on the registry performance of new devices
  
  PC Noble

57 Can tenders affect clinical outcome of total joint arthroplasty?
  
  G Hallan et al

17.00 End of congress