

# PROGRAM

## 1<sup>st</sup> 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 Ekblom, 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*

- 19** Can registries influence surgeon behavior? The twenty-year experience of a community-based total joint registry  
*TJ Gioe et al*
- 20** The results of a UKR revision to TKR are better if a stemmed tibial base plate is used  
*D Davidson et al*
- 21** 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*
- 22** Independent predictors of revision following 27,971 hip resurfacing arthroplasties - A retrospective cohort study using National Joint Registry data  
*SS Jameson et al*
- 23** 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*
- 24** Head size and dislocation revision rate in total hip arthroplasty. A population based analysis from the Finnish Arthroplasty Register  
*I Kostensalo et al*
- 25** A pilot project for the Japan Arthroplasty Register.  
*H Akiyama et al*

16.45-17.00 **26** The world's first quality improvement registry; the National Leprosy Registry of Norway.  
*Lorentz Irgens, MD, PhD, Professor University of Bergen, Norway*

**18.00-23.00 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 Zanolli, 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 unicondylar 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**