



International Society of Arthroplasty Registries (ISAR) Annual Meeting

held in conjunction with

American Academy of Orthopaedic Surgeons Annual Meeting San Diego, California, 15 – 19 February 2011

Date of Meeting: Thursday, 17 February 2011
Time: 4:30pm – 6.30pm
Location: Acqua 306A, Hilton San Diego Bayfront Hotel

MINUTES

Attendees:

President	Prof Ove Furnes
Australia	Prof Stephen Graves, Dr Richard de Steiger, Ms Ann Tomkins
Austria/EFORT	Dr Gerold Labek
Canada	Dr Michael Dunbar, Dr Eric Bohm,
Norway	Prof Ove Furnes, Prof Leif Havelin
Slovakia	Dr Libor Necas
South Africa	Dr Anton Schepers
Sweden (Hip)	Dr Goran Garellick, Ms Kajsa Erikson,
Sweden (Knee)	Dr Otto Robertsson, Ms Annette W-Dah, PhD
England & Wales	Mr Peter Kay
USA – AJRR	Dr David Lewallen, Dr Terence Goe, Dr William Maloney, Dr Wesley Mesko, Ms Cheryl Blanchard, PhD (Zimmer), Ms Jeanie Kennedy, Mr Robert Durgin (Biomet)

USA – Harris	Prof Henrik Malchau, Charles Bragdon PhD, NP Janet Dorrwachter
USA - Kaiser Permanente	Ms Liz Paxton, Dr Robert Namba, Dr Tad Funahashi, Dr Thomas Barber, Ms Maria Inacio
USA – Colorado	Dr Michael Dohm
USA – California	Dr Richard Coutts, Dr Kate Chenok
New Zealand	Prof Garry Hooper
Finland	Dr Ville Remes, Dr Petri Virolainen
The Netherlands	Dr Jan Verhaar
Italy (ROLP)	Dr Luigi Zagra
Italy (??)	Dr Gustavo Zanoli
Italy (National)	Ms Marina Torre
Lithuania	Dr Vidmantis Zegunis
ICOR/FDA	Mr Art Sedrakyan, Ms Danica Marinac-Dabic
AAOS	Katherine Sale
Industry	Dr Peter Heeckt (Smith & Nephew), Mark Domyahm (Zimmer)
Other	Kevin Ong, PhD (Exponent), Norm Weismann, Patricia Franklin, Jasvinder Singh

1. WELCOME

Ove Furnes opened the meeting and welcomed the attendees. He reported that a Steering Committee meeting had been held on Tuesday, 15 February and that a business meeting of ISAR members would follow immediately after this meeting.

Refer to ISAR website for presentation – <http://www.isarhome.org>

2. NEWS FROM NORDIC ARTHROPLASTY REGISTER ASSOCIATION (NARA)

Presenter: Goran Garellick

Refer to ISAR website for presentation – <http://www.isarhome.org>

G Garellick reported that NARA has published two further papers since the last meeting. He also reported that NARA is intending to include PROM data into the dataset and is planning to publish a report every two years. The Register will also be making improvements to the website.

It is possible that Finland may become a full member of NARA. Finland has very different user profiles; therefore their input would increase the potential for widening analyses particularly in relation to the use of cemented/cementless prostheses and bearing surface.

G Garellick reported that there are complexities coordinating data from three registries. It took more than a year to fully implement hip arthroplasty and another six months for knees.

More information on NARA is available at - <http://www.nordicarthroplasty.org/>.

3. NEWS FROM MEMBER REGISTRIES

Moderator: H Malchau

- **Australian Registry Update**

Presenter: S Graves

Refer to ISAR website for presentation – <http://www.isarhome.org>

- The online facility available to surgeons, companies and regulators has been enhanced in the last year. Surgeons are able to view the outcome of their own primary procedures plus a comparison against national data.
- The MHRA, the British regulatory body has been provided with online access to the NJRR prostheses database.
- Depuy is the first major company that has accepted the offer of the online service provided by the NJRR to assist with post market surveillance.
- The NJRR is undertaking a Pilot Study into the feasibility of an ACL Registry and the ability to collect patient outcomes data using innovative ways such as Facebook, SMS messaging.
- The NJRR was a major participant in the Australian Government's Health Technology Assessment Review.
- The Australian Government is currently developing legislation to move new prostheses from a Class IIb to Class III. If this proceeds new prostheses will require prosthesis specific clinical outcome information prior to approval.
- Data analysis – the NJRR has introduced graphs of CPR revision diagnoses and is looking at the issues related to competing risks analyses.

- **Update of the CJRR**

Presenter: E Bohm

Refer to ISAR website for presentation – <http://www.isarhome.org>

E Bohm reported that the CJRR did not publish a report last year due to staffing issues and financial constraints at CIHA. He commented that the CJRR need to improve the data capture rate and relevance and that data capture are to be made mandatory. Currently 70% of surgeons participate. They are currently looking at removing consent from surgeons to hospitals as hospitals do not require patient consent. Patient safety is a big issue in Canada. CIHI has spent significant resources and effort in developing a web portal which has not proved fruitful so the CJRR is now moving back to a paper form.

- **Quality of Sample based scientific publications and register data**

Presenter: G Labek

Refer to ISAR website for presentation – <http://www.isarhome.org>

G Labek reported that there are a large number of implants that do not perform well but for which there are no outcome studies published. One third of all publications are not reproducible on registry data. In the US, 60% of data is not reproducible and there is a domination of publications by inventors. G Labek intends to present this information to ICOR.

- **Factors associated with primary total knee arthroplasty aseptic failure. A multi-factorial registry analysis**
Presenter: R Namba

Refer to ISAR website for presentation – <http://www.isarhome.org>

This was a clinical presentation reporting the outcomes of 47,000 total knee arthroplasty procedures. It examined multiple factors associated with the risk of revision.

- **News from the Norwegian Hip Arthroplasty Register**
Presenter: L Havelin

Refer to ISAR website for presentation – <http://www.isarhome.org>

L Havelin reported changing rates of revision over time and the incidence of revision for a variety of reasons. The changing revision rate of the Titan was highlighted.

- **Latest results from the Swedish Knee Arthroplasty Register**
Presenter: O Robertsson

Refer to ISAR website for presentation – <http://www.isarhome.org>

SKAR has published six papers since last year. O Robertsson reported on the changing trends in knee replacement and variation in outcome over time. The use of anti-thrombotic prophylaxis and antibiotics was also discussed. O Robertsson also commented that 76% of knee prostheses used in Sweden are three brands, NexGen, PFC Sigma and Vanguard.

- **Update from Swedish Hip Arthroplasty Register**
Presenter: G Garellick

Refer to ISAR website for presentation – <http://www.isarhome.org>

Information was presented on optimising outcomes of total joint replacement and the role registries can play in providing a decision support system.

- **Slovakian Arthroplasty Register in 2010 – Update**
Presenter: L Necas

Refer to ISAR website for presentation – <http://www.isarhome.org>

The work of the Slovakian Arthroplasty Register was detailed in this presentation. There are 42 hospitals undertaking arthroplasty surgery in Slovakia, 8 sites do more than 300 arthroplasties per year and 34 do less than 200 per year.

L Necas reported that the SAR undertook two projects in 2010, an Implant Tracking System and a pilot project with DePuy to develop a Patient Implant Card which will include Patient Name, Hospital, Date of procedure, Side, Prostheses and Manufacturer. This project will be open to all manufacturers in 2011.

- **Update of AJRR**
Presenters: D Lewallen/H Malchau

H Malchau reported that the current financial situation has been solved due to donations from Industry. Three of the 15 pilot sites have been signed up and are currently providing data with over 1,000 patients in the AJRR.

D Lewallen stated that the AJRR has been able to succeed with a unique model so far, it is different to other countries as it doesn't have a single payer. They are

committee to a multiple stakeholder model which has developed over a number of years. They have a commitment for necessary funding from stakeholders and have developed a business plan. The number of joints undertaken will be 1 million per year from more than 5,000 hospitals. The AJRR appreciates the support from ISAR and other groups and individuals.

- **A successful data collection strategy for private practice in Western Colorado**

Presenter: M Dohm

Refer to ISAR website for presentation – <http://www.isarhome.org>

M Dohm reported that the Western Slope Study Group has developed a Data Collection Strategy for Private Practice that can be used by anyone. Western Colorado is one of the 15 sites selected for involvement in the AJRR, they hope to start contributing data in the near future.

- **England and Wales Registry Update**

Presenter: P Kay

Refer to ISAR website for presentation – <http://www.isarhome.org>

P Kay reported that the UK Registry is funded by a levy imposed on Industry based on £20 per tibial component and £20 for each acetabular component. The Registry will be appointing a new Chairman in the near future. Patient consent is now around 90%.

The Registry's focus will be on providing better online feedback to surgeons and hospitals. He also commented that the outlier process is not working as well as they would like and they are trying to improve it by developing a standard way to provide information back to hospitals and stakeholders. The Registry is also working on PROMS data collection external to the hospital.

- **Building a level three voluntary registry in California**

Presenter: Kate Chenok

The Californian Joint Replacement Registry Pilot Study has commenced. It is a voluntary registry designed to collect level 3 data that is the initiative of the Californian Orthopaedic Association. Three institutions are involved in the pilot. Over 40,000 hip and knee replacements are undertaken in California each year.

4. INFORMATION FROM ICOR/FDA

Presenter – Art Sedrakyan

Refer to ISAR website for presentation – <http://www.isarhome.org>

ICOR's mission and goals is to advance the research and improve evidence for the safety and effectiveness of orthopaedic devices and procedures. This will be achieved by

- Developing a strategic plan for establishment of scientific infrastructure for collaboration
- Harmonization of data among US based and international orthopedic registries
- Implementation of a distributed data analysis system and conduct studies to monitor the safety and effectiveness of orthopedic devices

ICOR is currently developing a website that would enable a forum for communication on the project.

5. ASR RECALL

Presenters: S Graves, R Namba

R Namba reported that the Kaiser Permanente's exposure has been pretty low with 580 patients involved. They have a national recall department that monitors every patient, notifies surgeons with the patient's details so that the patient can be notified. Metal ions/cobalt levels can be tested but that is left to the discretion of the surgeon. Kaiser Permanente now has more than 700 ASR patients coming to them to coordinate their treatment.

S Graves reported that the Australian Registry is listed as a Federal Quality Assurance Activity and under the legislation the identification of patients, surgeons and hospitals must be protected.

A system has been set up in Australia to monitor ASR patients; the NJRR is able to provide a list of patients who have had an ASR back to the treating hospital.

6. WORLD MEETING OF ARTHROPLASTY REGISTRIES, BERGEN, NORWAY, 20 -22 MAY 2012

Presenter: O Furnes

Refer to ISAR website for presentation – <http://www.isarhome.org>

A congress has been proposed for May 20-22, 2012 in Bergen, Norway for ISAR members and other persons interested in registry work.

7. NEXT MEETING

The next meeting of ISAR members will be held at the AAOS 2012 to be held in San Francisco.

A Steering Committee meeting will be held at EFORT in Copenhagen, there will also be a symposium at EFORT.

At the minutes:

Ann Tomkins

Ove Furnes