

5th Advanced Hip Resurfacing Course

Is there still a place for hip resurfacing anno 2012?

Course chairman:
Koen De Smet, Belgium

www.resurfacing-congress.com

International Consensus Meeting

13-16 June 2012 • Handelsbeurs, Ghent, Belgium

Scientific Programme 5th Advanced HIP Resurfacing Course 2012, Ghent

Course chairman:

Koen De Smet

Co-chairmen:

Pat Campbell
Catherine Van Der Straeten
Seth Greenwald
Edwin Su

Wednesday 13 June 2012

16:00 – 20:00 Registration at venue “De Handelsbeurs”, Kouter 29, 9000 Ghent

18:30 Welcome Reception at “De Handelsbeurs”

Thursday 14 June 2012

07:45 Registration at venue “De Handelsbeurs”

08:15 Welcome – Introduction

Koen De Smet

- *Personal Hip Resurfacing history*
- *Why is Hip Resurfacing still the first choice for young and active patients?*

First session: Track record of Hip Resurfacing

CHAIRMEN: Seth Greenwald, Edwin Su

What have we learned in the past five years?

08:25 Controversy around Metal-on-Metal Hip arthroplasty / Resurfacing

Edwin Su

08:30 Regulatory MoM Hip arthroplasty alerts and recommendations

Jim Holland

08:35 Should we make a clear distinction between Hip Resurfacing and Large Diameter MoM THA?

Tony Nargol

08:40 What has really changed in the past 5 years?

Mike Tuke

08:45 PANEL DISCUSSION

Panel 1A: Jim Holland, Seth Greenwald (chair), Tony Nargol, Edwin Su (chair), Mike Tuke

Moderator: Koen De Smet

Discussion: How big is the problem? Are the regulatory authorities taking over the lead? Are the problems seen with Large Diameter MoM THA unjustly being extrapolated to Hip Resurfacing? What are the medico-legal implications?

Format of the meeting / Voting / Consensus

09:00 Format of the meeting

Koen De Smet

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- Voting / Consensus Course 2010 / International Consensus to be written off for publication at the end of the 2012 meeting *Catherine Van Der Straeten*
- How does the voting pad work / trial questions/ general questions *Pat Campbell*

09:15 PANEL DISCUSSION: Indications / Contra-indications of Resurfacing

Panel 1B: Harlan Amstutz, Hendrik Delport, Seth Greenwald (chair), Paul Kim, Martin Lavigne, Derek McMinn, Tony Nargol, Manel Ribas, Edwin Su (chair), Job van Susante, Christoph Witzleb, David Young

Moderators, facilitators: Pat Campbell, Catherine Van Der Straeten

Discussion points: Comparison consensus 2010: Gender, Age, Physiological age, BMI, Diagnosis, Bone quality, Size, Child wish, Metal allergy, Kidney disease, etc

Conclusion-summary: NEW consensus: indications / absolute and relative contra-indications / medico-legal implications

Survivorship of Hip Resurfacing

09:35 Survivorship of the Birmingham Hip Resurfacing in an expert designer series *Derek McMinn*

09:40 Results from the National Joint Registry of England and Wales *Jeremy Latham*

09:45 Results from the Australian Joint Registry *David Young*

09:50 Minimum 10 year survivorship independent BHR series *Koen De Smet*

09:55 Hip Resurfacing survival data from a German specialist centre *Wolf-Christoph Witzleb*

10:00 PANEL DISCUSSION

Panel 1B: Harlan Amstutz, Hendrik Delport, Seth Greenwald (chair), Paul Kim, Martin Lavigne, Derek McMinn, Tony Nargol, Manel Ribas, Edwin Su (chair), Job van Susante, Christoph Witzleb, David Young

Discussion points: Overall survivorship; designer centres, independent large volume centres, registries; posters with other >10-year results; survivorship in different age and gender groups; comparable with THA in general/specific age and gender groups? Comment on published articles.

Functional results /Activity: Comparison Hip Resurfacing with total Hip arthroplasty

10:15 Functional results of Hip Resurfacing and THA *Martin Lavigne*

10:20 Randomized controlled trial comparing Hip Resurfacing with THA *Job van Susante*

10:25 Why choose for a Hip Resurfacing in young and active people? *Hendrik Delport*

10:30 PANEL DISCUSSION: Functional Results – Activity with Hip Resurfacing

Panel 1C: Harlan Amstutz, Hendrik Delport, Seth Greenwald (chair), Martin Lavigne, Derek McMinn, Tony Nargol, Manel Ribas, Edwin Su (chair), Job van Susante, Wolf-Christoph Witzleb, David Young

Discussion points: Comparison consensus 2010: THA versus Hip Resurfacing: comparison of activity levels, higher preoperative levels? Which activities are allowed at what postoperative stage? What about the recent paper of Dr. Amstutz showing loosening with extreme contact sports? Are the current scores adequate to

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measure function/activity levels? If not, which scores should we use or should we develop a new scoring system? Patient expectations and postoperative satisfaction etc.

Conclusion- summary: NEW consensus: functional results – activity

Wright Medical slot: 2 x 5 minutes

10:50 Long term results of the Conserve Plus Hip Resurfacing – Results of
Conserve Plus Aclass

*Harlan Amstutz, Paul Kim
or Manel Ribas*

11:00 - **BREAK**

11:20

Second session: reactions to metal ions and particles from MoM Hips

CHAIRMEN: Seth Greenwald, Edwin Su

Zimmer slot: 8 minutes talk, 2 minutes discussion

11:25 Metal-on-Metal Hip Arthroplasty: The Metasul Experience

Claude Rieker

Local adverse soft tissue reactions: incidence, symptoms, diagnosis, risk analysis

11:35 Oxford experience

Richie Gill

11:40 Canadian multi-centre study

Paul Kim

11:45 North Tees experience

Tony Nargol

11:50 Adverse soft tissue reactions to other sources of CoCr

Julien Girard

11:55 PANEL DISCUSSION

Panel 2A: Paul Bom, Joseph Daniel, Michael Faensen, Richie Gill, Julien Girard, Seth Greenwald (chair), Paul Kim, Jeremy Latham, Tony Nargol, Claude Rieker, Edwin Su (chair)

Discussion: Do we agree that adverse local tissue reactions are almost always correlated with excessive wear (with the exception of rare cases of metal allergy)? What is a realistic incidence of adverse local tissue reactions (% in different series)? Are 'asymptomatic pseudotumours' really asymptomatic? Can we redefine 'asymptomatic' as asymptomatic clinically and radiographically and metal ions Co-Cr <4µg/l?

Histology and Immunology

12:10 ALVAL scoring

Pat Campbell

12:15 Histological findings with failed MoM Large diameter head THA

David Langton

12:20 Immunological background to adverse local tissue reactions

Dirk Elewaut

12:25 Short discussion: open questions

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Causes and consequences of wear of MoM Hip Resurfacing implants

12:35 Factors that influence the wear of MoM Hip implants

Mike Tuke

12:40 Metal ions: toxicity and allergy

Catherine Van Der Straeten

12:45 Cytotoxicity of metal particles

Richie Gill

12:50 Should we be concerned about a higher cancer risk?

Joseph Daniel

12:55 PANEL DISCUSSION: consensus

Panel 2BC: Paul Bom, Joseph Daniel, Michael Faensen, Seth Greenwald (chair), Richie Gill, Julien Girard, Paul Kim, David Langton, Jeremy Latham, Tony Nargol, Claude Rieker, Edwin Su (chair), Mike Tuke

Discussion: How can we avoid excessive wear (technique, experience, design, indication)? What about small sizes? How often and how long should we test metal ions? What is the level above which a revision should be advocated because of potential local and / or systemic toxicity?

13:10- **LUNCH**

14:05

Third session: follow-up of Hip Resurfacing patients

CHAIRMEN: Seth Greenwald, Edwin Su

Imaging techniques: radiographic techniques

14:10 Cup positioning: EBRA evaluation versus CTscan

Paul Kim

14:15 Zonal system for radiographic follow-up of Hip Resurfacing

Alessandro Calistri

14:20 CT scan as a diagnostic and screening tool for osteolysis / adverse local reactions

Harmen Ettema

Other Imaging techniques

14:25 Ultrasound as a diagnostic and screening tool for adverse local reactions

Simon Ostlere

14:30 MRI as a diagnostic and screening tool for adverse local reactions

John Antoniou

14:35 Bone scans and PET scans

Julien Girard

14:40 Diagnostic arthroscopy

Christophe Pattyn

14:45 Therapeutic arthroscopy

Oliver Marin

14:50 PANEL DISCUSSION: consensus

Panel 3A: John Antoniou, Vijay Bose, Harmen Ettema, Julien Girard, Seth Greenwald (chair), James Holland, Paul Kim, Oliver Marin, Antonio Moroni, Simon Ostlere, Christophe Pattyn, Edwin Su (chair)

Discussion: Imaging techniques: Which imaging method when? Best screening method(s)? Is extra screening of asymptomatic patients – as defined earlier: no clinical or radiographic symptoms and metal ions <4µg/l -

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necessary / affordable? What about experience / training of readers and reliability of imaging (false positive / false negative)?

Clinical follow-up and metal ion measurements

15:05 The interpretation of metal ions – acceptable upper limits - diagnostic algorithm

Catherine Van Der Straeten

15:10 PANEL DISCUSSION: Follow-Up of MoM Hip Resurfacing - Algorithm

Panel 3B: John Antoniou, Vijay Bose, Harmen Ettema, Julien Girard, Seth Greenwald (chair), James Holland, Paul Kim, Oliver Marin, Antonio Moroni, Simon Ostlere, Christophe Pattyn, Edwin Su (chair), David Young

Moderators, facilitators: Pat Campbell, Catherine Van Der Straeten

Discussion points: Consensus: How to diagnose / manage problems? Cup positioning: what to do with steep cups, when to revise? Impingement: is there a place for Hip arthroscopy? Metal ions: policy with elevated metal ion levels - what about levels >10µg/l or increasing trend – what about levels >20µg/l: revise? Asymptomatic patients: is other screening than metal ions necessary? US or MRI? How often? When?

Conclusion-summary: NEW consensus: FOLLOW-UP

Fourth session: future designs and materials

Chairmen: Seth Greenwald, Edwin Su

A. Metal-on-Metal

15:30 Is Metal-on-Metal still an option? Can it be improved?

Jan-Philippe Kretzer

15:35 New insights in corrosion and lubrication

Anne Neville

15:40 Discussion: open questions and discussion

Implantcast slot: 8 minutes talk, 2 minutes discussion

15:45 The Titanium Niobium Coating and the early results with the Accis Hip Resurfacing

Karel Hamelynck

15:55- **BREAK**
16:15

CHAIRMEN: Seth Greenwald, Edwin Su

B. Other designs and materials

16:20 Non-cemented Hip Resurfacing

Thomas Gross

16:25 Differential hardness bearings

Amir Kamali

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- 16:30 Ceramic on Ceramic *David Young*
- 16:35 What about Poly-ethylene *Derek McMinn*
- 16:40 Other materials and designs? *Antonio Moroni*
- 16:45 Discussion: open questions and discussion

Matortho Slot: 8 minutes talk, 2 minutes discussion

- 17:00 The history of a Hip Resurfacing company *Mike Tuke*
- 17:10 PANEL DISCUSSION: Is there a future for Hip Resurfacing? Is Metal-on-Metal still an option? If not, which material should we use? What is the ideal Hip Resurfacing anno 2012?
- Panel:** Harlan Amstutz, John Antoniou, Vijay Bose, Hendrik Delport, Koen De Smet, Seth Greenwald (chair), Thomas Gross, Karel Hamelynck, Derek McMinn, Antonio Moroni, Edwin Su (chair), Nikolaus Szöke, Job van Susante, David Young

Moderators, facilitators: Pat Campbell, Catherine Van Der Straeten

Discussion points: Consensus: Metal-on-Metal? Ceramic-on-Ceramic, Polyethylene, other? Design?

Conclusion-summary: NEW consensus: MATERIAL - DESIGN

Consensus of the day

CHAIRMEN: Pat Campbell, Seth Greenwald, Edwin Su, Catherine Van Der Straeten

- 17:35 Last Consensus: Suggestions of the faculty
- 17:45 Questions - Discussion
- 17:50 Scores and results voting Thursday
- 18:00 Closure of the day *Koen De Smet*

19:30 Walking Dinner

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Friday 15 June 2012

08:25 Welcome – Introduction

*Pat Campbell, Koen De Smet,
Catherine Van Der Straeten*

Fifth Session: Failures of MoM Hip arthroplasty: treatment and prevention

CHAIRMEN: Seth Greenwald, Edwin Su

Failure modes of MoM Hips

08:35 Analysis of failures in metal-on-metal Resurfacings in a series of 2800 procedures in Berlin

Michael Faensen

08:40 Retrieval analysis anno 2012

Pat Campbell

08:45 Failure modes of MoM Hip Resurfacing and Large diameter MoM THA

Martin Lavigne

08:50 Prevention of early fractures

Thomas Gross

Outcome of Hip Resurfacing revisions

08:55 Outcome of revisions from the Australian Joint Registry

David Young

09:00 Outcome of revisions from a Hip Resurfacing specialist

Nikolaus Szöke

09:05 Poor outcome of late revisions with extensive soft tissue reactions and reoccurrence of pseudotumours

Richie Gill

09:10 Improved outcome with modified surgical practice

Koen De Smet

09:15 PANEL DISCUSSION

Panel 5A: Joseph Daniel, Koen De Smet, Michael Faensen, Richie Gill, Thomas Gross, Seth Greenwald (chair), Jeremy Latham, Martin Lavigne, Nikolaus Szöke, Edwin Su (chair), David Young

Moderators: Pat Campbell, Catherine Van Der Straeten

Discussion: Practical surgical tips for Hip Resurfacing revision surgery; one-component versus total revision; which prosthesis / bearings / fixation method to use? Causes of reoccurrence of pseudotumours.

09:30- **Entertainment**

09:45

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CHAIRMEN: Seth Greenwald, Edwin Su

Failures of Large Diameter Head MoM THA

- 09:45 Higher failure rate with Large Diameter MoM THA. The UK experience *James Holland*
- 09:50 Why did Large Diameter Femoral Head MoM Total Hip Replacements go wrong? *Tim Band*
- 09:55 Failure of Large Diameter MoM THA. The Dutch experience *Paul Bom*
- 10:00 Discussion: open questions and discussion with chairmen and panel of all speakers

Cost analysis of MoM Hip failures

- 10:15 Global analysis of MoM revisions healthcare burden in the EU *Manel Ribas*
- 10:20 Global analysis of MoM revisions healthcare burden in the USA *Edwin Su*
- 10:25 Discussion: open questions and discussion with chairmen and panel of all speakers

Lessons learned from the MoM Hip Resurfacing experience

- 10:35 Importance of education and experience *Harlan Amstutz*
- 10:40 Are more regulations necessary? How to reconcile caution and progress? *Jeremy Latham*
- 10:45 Discussion: open questions and discussion with chairmen and panel of all speakers

11:00- **BREAK**

11:25

Sixth session: guidelines for management of problematic cases diagnostic and therapeutic algorithm

CHAIRMEN: Harlan Amstutz, Derek McMinn

- 11:30 Presentation of algorithm

Moderators: Pat Campbell, Catherine Van Der Straeten

Discussion of failed and problematic cases

Koen De Smet

- 11:35 Testing algorithm to clinical cases

Panel: Harlan Amstutz, Julien Girard, Seth Greenwald (chair), Thomas Gross, James Holland, Paul Kim, Martin Lavigne, Derek McMinn, Antonio Moroni, Edwin Su (chair), Nikolaus Szöke, Job van Susante

- 12:15 PANEL DISCUSSION: Is the algorithm a good tool? Should it be changed / adapted / simplified?

Panel: Harlan Amstutz, Julien Girard, Seth Greenwald (chair), Thomas Gross, James Holland, Paul Kim, Martin Lavigne, Derek McMinn, Antonio Moroni, Edwin Su (chair), Nikolaus Szöke, Job van Susante

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Moderators, facilitators: Pat Campbell, Catherine Van Der Straeten

Discussion points: consensus: Use / importance of metal ion levels, radiographs, other imaging techniques for early diagnosis of soft tissue reactions and timely revision before extensive destruction occurred – When to advise a revision to an asymptomatic patient? – what about further follow-up of revised patients with regard to risk of recurrent pseudotumours

Conclusion-summary: NEW consensus: Algorithm - revisions

Smith & Nephew slot: 2x5 minutes talks, 5 minutes discussion

12:45 The future of the Birmingham Hip Resurfacing

Derek McMinn, Amir Kamali

13:00- **LUNCH**

14:00

Seventh session: formulating a new international consensus on Hip resurfacing

CHAIRMEN: Pat Campbell, Seth Greenwald, Edwin Su, Catherine Van Der Straeten

14:00 Final answers to be published in consensus booklet / article

Eight session: the media versus orthopaedic science

CHAIRMEN: Seth Greenwald, Edwin Su

Media History of Hip Resurfacing

14:30 Media History of Hip Resurfacing

Vijay Bose

Impact of negative publicity

14:35 The impact of the negative publicity on health authorities, surgeons and patients in the UK

David Langton

14:40 The impact of the negative publicity on health authorities, surgeons and patients in Canada

John Antoniou

14:45 The impact of the negative publicity on health authorities, surgeons and patients in the US

Harlan Amstutz

14:50 Being crucified by the press

Harmen Ettema

14:55 Discussion

The view of the media

15:10 My opinion as a journalist and as a patient

Jon Christopher Bua

15:20 PANEL DISCUSSION

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Panel: Harlan Amstutz, John Antoniou, Vijay Bose, Jon-Christopher Bua, Harmen Ettema, Michael Faensen, Seth Greenwald (chair), David Langton, Derek McMinn, Edwin Su (chair)

Discussion: Publishing general and objective news instead of sensational cases: would the media be willing to publish / broadcast the good results and the consensus of the Advanced Course?

Final reflections

- | | | |
|-------|--|-----------------------|
| 16:15 | Would I have a resurfacing? | <i>Seth Greenwald</i> |
| 16:20 | Is Metal-Metal resurfacing dead? What will the authorities do? | <i>Derek McMinn</i> |
| 16:25 | Discussion | |

16:40- **Break**
17:15

- | | | |
|-------|---|---|
| 17:15 | End Voting and last questions | <i>Pat Campbell,
Catherine Van Der Straeten</i> |
| 17:30 | Fulltime Score Friday / Overall Attendees Results! / Prize Distribution | <i>Seth Greenwald, Edwin Su
Koen De Smet</i> |
| 18:00 | END OF FRIDAY SESSIONS | |

Dinner

ehims

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Duwijnckstraat 17, 2500 Lier, Belgium

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Saturday 16 June 2012

CADAVER WORKSHOP Ledeganck GENT - cadaver lab

11 CADAVERS 6 Thielen Balseming

08:25 – 10:00 **First session**

10:00- **BREAK**

10:30

10:30 – 12:00 **Second session**

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