



## **Bioceramics and Alternative Bearings in Joint Arthroplasty**

The 13<sup>th</sup> International BIOLOX® Symposium

**Chair: Justin P. Cobb**

**Imperial College  
London**

September 4<sup>th</sup> – 5<sup>th</sup> 2009  
Edinburgh, United Kingdom

## Venue



### **Marriott® Dalmahoy Hotel & Country Club in Edinburgh, Scotland** **September 4<sup>th</sup> – 5<sup>th</sup>, 2009**

The BILOX® Symposium will take place at the Marriott® Dalmahoy Hotel & Country Club which is located just 7 miles from the centre of Edinburgh.

With its majestic castle overlooking the city that is steeped in ancient history, Edinburgh sits atop extinct volcanoes, enveloped by rolling hills, lochs and forests. The city is blessed with wonderful sunsets that bring to life the elegant streets, cobbled alleys and historic buildings and monuments that demand to be explored.

More information under: <http://www.edinburgh.com>, <http://www.visitscotland.com/>

If you like golfing, the resort has two 18-hole golf courses (one championship course), a PGA-approved golf academy, gym, indoor swimming pool, spa and tennis. All guest rooms feature luxury bedding, mini-bar, and wireless Internet access.

## Address

Dalmahoy Marriott® Hotel & Country Club

Kirknewton

Edinburgh, Scotland EH27 8EB

United Kingdom

Phone: +44 131 333 1845

<http://www.marriott.co.uk/hotels/travel/edigs-dalmahoy-a-marriott-hotel-and-country-club/>

## Bedroom Rates

Your double for single occupancy rooms will be charged at £ 130.00 per room per night on a bed and breakfast basis. Rate include VAT at 17.5 %

## Dear Colleagues,

The preparations for the upcoming Bioceramics and Alternative Bearings in Joint Arthroplasty, 13<sup>th</sup> BIOLOX® Symposium are well underway. The Symposium is planned for September 4<sup>th</sup> and 5<sup>th</sup> 2009 in the City of Edinburgh, United Kingdom.

It is our hope that by holding this Symposium in the United Kingdom, it will serve as proper recognition and tribute to the many innovations and contributions that have been developed by the UK Orthopaedic Surgical Community.

This Symposium tries to continue the success of past Symposiums by offering a well structured and balanced program with ample opportunity for effective communication and interchange of information and ideas between all interested members of the global orthopaedic surgical community.

The Scientific Committee has evaluated scientific contributions on clinical usage and other topics of interest contributed through the "Call for Papers". In addition to the scientific contributions received in this manner, the committee has complemented these by inviting recognised experts in the field in order to offer a well coordinated program. We hope that you will find the program to be of great value in your field of expertise.

We hope that you can join us at the Dalmahoy Marriott Hotel in Edinburgh on September 4<sup>th</sup> and 5<sup>th</sup> of 2009. Please follow the Symposium registration and hotel reservation guidelines in the pertinent section of this brochure.

**We very much look forward to seeing you in Edinburgh.**



*Prof. Justin Cobb*  
Symposium President



*Karl Billau*  
Managing Director  
CeramTec AG



*Dominique Metz*  
International Business  
Manager  
CeramTec AG



**Justin P. Cobb** accepted the chair at Imperial based at Charing Cross and Ravenscroft Park Hospital in 2005 after being a consultant at the Middlesex and UCH since 1991.

He studied medicine at Magdalen College, Oxford and trained in surgery and then orthopaedics in London at St Thomas's and then The Middlesex Hospital and The Royal National Orthopaedic Hospital. He wrote his Masters thesis on 'Surgery and Osteosarcoma' for which he was awarded a Hunterian Professorship in 1992.

At Middlesex he took over Sir Rodney Sweetnam's oncology practice as part of the London Bone Tumour Service. While continuing to work closely with Gordon Blunn and Paul Unwin at BME, Stanmore and SIW, he also collaborated with Brian Davies at Imperial developing robots to allow surgery to be performed more accurately. From the first grant obtained in 1992, it would be almost a decade before the first fully functional robotic system was tested clinically. His current research interests are centred on the hip and knee: developing devices still to enable rapid accurate surgery, but also investigating the anatomy of both these major joints to determine why joints fail and whether early intervention may indeed prevent progression.

Mazen Al-Hajjar  
Gordon Bannister  
Francesco Benazzo  
Daniel Berry  
Roberto Binazzi  
Rainer Burgkardt  
Claire Brockett  
Jun-Dong Chang  
Christophe Chevillotte  
Ian Clarke  
Justin P. Cobb  
Paolo Dalla Pria  
Mark Emmerton  
Moussa Hamadouche  
Richard Hargrove  
Alister Hart  
Christian Hendrich  
Donald Howie  
Christian Kaddick  
Peter Kay  
Luc Kerboull  
Karl Knahr  
Saiji Kondo  
Meinhard Kuntz  
Yoshikatsu Kuroki  
Atsushi Kusaba  
Jean-Yves Lazenneq  
Philipp Lubinus  
J. Wesley Mesko  
Wolfram Mittelmeier  
Michael Morlock  
Sarah Muirhead-Allwood  
Steve Murphy  
Mark Norton  
Antonio Olmeda  
Thomas Pandorf  
Giuseppe Pezzotti  
Gerald Pflüger  
Corrado Piconi  
Rocco Pitto  
Raghu Raman  
Susan Scholes  
Werner Siebert  
John Skinner  
Nobuhiko Sugano  
Peter Thomas  
Aldo Toni  
Katherine Wilson

## Social Programme

### Poster exhibition

Our poster exhibit programme is still open for submissions. The deadline for submission of an abstract (max 2 pages) to our scientific committee is July 10<sup>th</sup> 2009. The submission should be sent to Florence Petkow, [f.petkow@ceramtec.de](mailto:f.petkow@ceramtec.de). Size of the poster: Din A0. Posters will be hosted on the BIOLOX® website. An electronic file should be provided.

### Registration

#### Full registration fee € 200.00

Dinner, lunch, beverages and proceedings are included in the registration fee as well as dinner for accompanying person.

#### Special registration fee € 50.00

Applies to residents (with written certification from the head of the department) and young surgeons (under 35 years of age) in order to participate only at the scientific sessions. Dinner and proceedings are not included!

### Reception and Dinner

September 4<sup>th</sup>, 7:00 pm at the Marriott® Dalmahoy Hotel



1:30 pm Symposium Opening: **J. P. Cobb**

1:45 pm **Opening Keynotes**

1:45 pm **J. P. Cobb** (UK)

Patient and disease specific bearing couples

2:00 pm **R. Streicher** (Switzerland)

Overview over systems

**Session 1**  
**2:15 pm** **President Session: Premise for a successful surgery**  
**Chair: J. P. Cobb (UK)**

2:15 pm **D. Berry** (USA)

Patient selection: The right hip for the right patient

2:30 pm **S. Muirhead-Allwood** (UK)

Individualised planning

2:45 pm **A. Hart** (UK)

Imaging the painful metal on metal hip

3:00 pm **S. Murphy** (USA)

Optimised approach MIS

3:15 pm **Discussion**

**Session 2**  
**3:30 pm** **Materials**  
**Chair: M. Kuntz and M. Morlock (Germany)**

3:30 pm **C. Piconi** (Italy)

Non-oxide ceramics. Status quo in THR and future options

3:42 pm **G. Pezzotti** (Japan)

Surface transformation on BIOLOX<sup>®</sup>*delta*

3:54 pm **Discussion**

4:04 pm **Coffee Break**

4:30 pm **Panel Discussion: Bearing Couple – The reasons for my choice**  
**Chair: D. Berry (USA)**

**R. Hargrove** (UK)  
**D. Howie** (Australia)  
**S. Murphy** (USA)  
**M. Norton** (UK)

### **Session 3    Complications**

**Session 3A    Technical and Clinical Complications**  
**5:00 pm    Chair: R. Binazzi (Italy) and JD Chang (Korea)**

5:00 pm **M. Emmerton** (UK)  
Importance of positioning of the acetabular component  
with ceramic on ceramic

5:12 pm **A. Toni** (Italy)  
Osteolysis and ceramic on ceramic hip prostheses: "Fact or Fairy Tale?"

5:24 pm **P. Thomas** (Germany)  
Patient characteristics in metal implant allergy

5:36 pm **Discussion**

**5:46 pm    Plenary Lectures**

5:46 pm **S. Kondo, A. Kusaba and Y. Kuroki** (Japan)  
Tribute to Yoshikatsu Kuroki – The pioneer of ceramic bearings in Japan  
Work of a lifetime

7:00 pm **Reception and Dinner**

**Session 3B**    **Noise in THR**  
**8:00 am**        **Chair: A. Toni (Italy) and T. Pandorf (Germany)**

- 8:00 am        **M. Morlock** (Germany)  
Audible vibrations in hip replacement systems
- 8:12 am        **C. Brockett** (UK)  
Assessment of squeaking in total hip replacements
- 8:24 am        **K. Knahr** (Austria)  
The noisy THR: Is it just a ceramic issue?
- 8:36 am        **C. Chevillotte** (France)  
Hip Squeaking: Biomechanics study of ceramic on ceramic bearing surface

8:48 am        **Discussion**

**Session 3C**    **Recommendations in hip arthroplasty with the use of ceramics**  
**8:58 am**        **Chair: S. Murphy (USA) and D. Howie (Australia)**

- 8:58 am        **T. Pandorf** (Germany)  
How important it is to use clean taper fixations
- 9:10 am        **J. Y. Lazennec** (France)  
Revision strategy and clinical results with BIOLOX®OPTION
- 9:22 am        **P. Lubinus** (Germany)  
How to avoid excessive cup angles?
- 9:34 am        **R. Pitto** (New Zealand)  
Retroacetabular stress-shielding after uncemented total hip replacement:  
ceramic versus polyethylene cup liners.  
A randomised clinical trial using quantitative CT-osteodensitometry

9:46 am        **Discussion**

9:56 am        **Coffee Break**

## Session 4 Tribology

### Session 4A Tribology in vitro

**10:20 am** Chair: **R. Streicher (Switzerland) and L. Kerboull (France)**

10:20 am **I. Clarke (USA)**

Wear studies of BIOLOX<sup>®</sup>*delta* ceramic compared to BIOLOX<sup>®</sup>*delta* retrievals at 1–7 years

10:32 am **C. Kaddick (Germany)**

Standardised wear testing of intervertebral spinal disc prostheses – a summary of 9 years of test experience

10:44 am **S. Scholes, A Unsworth (UK)**

Tribological testing of BIOLOX<sup>®</sup>*delta*/BIOLOX<sup>®</sup>*delta* hip prostheses

10:56 am **M. Al-Hajjar (UK)**

The influence of surgical positioning and function on the wear of ceramic on ceramic total hip replacement

11:08 am **Discussion**

### Session 4B Tribology in vivo

**11:18 am** Chair: **P. Lubinus (Germany) and S. Muirhead-Allwood (UK)**

11:18 am **C. Hendrich (Germany)**

Wear performance of highly-crosslinked polyethylene in combination with alumina heads – 6 years results

11:30 am **M. Hamadouche (France)**

The in vitro and in vivo safety of 22.2 mm BIOLOX<sup>®</sup>*delta* ceramic femoral heads. A prospective evaluation

11:42 am **A. Hart (UK)**

What can blood metal ions tell us about a metal on metal hip?

11:54 am **P. Kay (UK)**

The role that metal-polyethylene articulation plays in today's hip arthroplasty

12:06 pm

**W. Siebert** (Germany)

Ceramic vs. CoCrMo femoral heads in combination with polyethylene cups. Long-term wear analysis at 20 years.

12:18 pm

**Discussion**

12:28 pm

**Lunch**

## **Session 4C**

**1:30 pm**

**Long term experience with ceramics**

**Chair: J. Y. Lazennec (France) and J. Skinner (UK)**

1:30 pm

**G. Pflüger** (Austria)

Is there an influence of bearing couples for radiolucent lines in cementless fixed hip stem?

1:42 pm

**F. Benazzo** (Italy)

Ten years of experience with ceramic-ceramic bearing in total hip arthroplasty

1:54 pm

**A. Kusaba** (Japan)

Uncemented ceramic on ceramic bearing for dysplastic hips – To advantage the bearing property: from a viewpoint of surgeon –

2:06 pm

**R. Raman** (UK)

Big Balls – the ceramic experience

2:18 pm

**N. Sugano** (Japan)

Accurate Surgery – Technical Long Term Results

2:30 pm

**J. W. Mesko** (USA)

Ceramic on ceramic hip outcome at a 5- to 10-year interval  
Has it lived up to its expectations?

2:42 pm

**Discussion**

2:52 pm

**Panel Discussion**

**Big bearings and implant positioning – More or less?  
Chairman: G. Bannister (UK)**

**D. Berry** (USA)

**P. Kay** (UK)

**M. Norton** (UK)

**S. Muirhead-Allwood** (UK)

**Discussion**

**Session 5  
3:22 pm**

**Outlook and future applications**

**Chair: F. Benazzo (Italy) and N. Sugano (Japan)**

3:22 pm

**A. Olmeda** (Italy)

Preliminary experience with CeramTec duo biarticular cups

3:34 pm

**K. Wilson** (UK)

Initial fixation of the DeltaMotion cup system

3:46 pm

**W. Mittelmeier** (Germany)

A national prospective Duocenter study on the clinical and radiological outcome of the Multigen Plus Total Knee System with a BIOLOX<sup>®</sup>*delta* ceramic femoral component

3:58 pm

**P. Dalla Pria** (Italy)

Wear results worst case CoCr vs. Multigen ceramic

4:10 pm

**R. Burgkardt** (Germany)

Mechanical and histological results of a porous ceramic coating based on BIOLOX<sup>®</sup>*delta*

4:22 pm

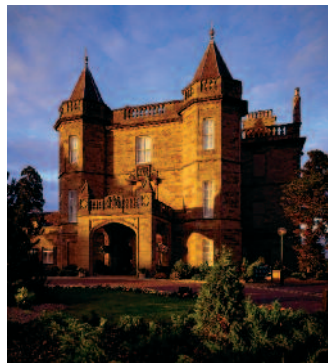
**Discussion**

4:32 pm

**Closing Remarks**

**4:45 pm**

**End of the symposium**



# Registration Form

please send by mail or fax to:

**Florence Petkow**

CeramTec AG, CeramTec-Platz 1-9, D-73207 Plochingen

Phone: +49/7153/611-513, Fax: +49/7153/611-165 13

E-mail: f.petkow@ceramtec.de

First Name \_\_\_\_\_

Surname/Last Name \_\_\_\_\_

Title \_\_\_\_\_

Affiliation \_\_\_\_\_

Street Address \_\_\_\_\_

City, State/Province \_\_\_\_\_

Telephone, Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Full registration fee € 200.00

Special registration fee € 50.00

Bank transfer to: Deutsche Bank AG, Stuttgart

Code word: **"Symposium 2009"**, account number 117741900,

routing number 60070070, IBAN DE33 6007 0070 0117 7419 00

BIC (Swift-Code): DEUTDESS, or cheque

## Room Registration Details:

Marriott® Hotel & Country Club

Single/Double room £ 130.00/night (incl. VAT)

Smoking  Non smoking

No hotel accommodation required

Arrival Date \_\_\_\_\_

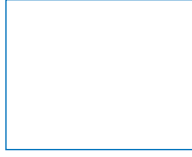
Departure Date \_\_\_\_\_

Number of nights \_\_\_\_\_

Date, Signature \_\_\_\_\_



**Antwort**



**Bioceramics and Alternative Bearings in Joint Arthroplasty**

The 13<sup>th</sup> International BILOX<sup>®</sup> Symposium

**Chair: Justin P. Cobb**

**Imperial College  
London**

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Edinburgh, United Kingdom

**CeramTec AG**  
Medical Products Division  
CeramTec-Platz 1–9

D-73207 Plochingen

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