

Preliminary Program



Bioceramics and Alternative Bearings in Joint Arthroplasty

The 12th International BIOLOX® Symposium

September 7th (12:30 pm) – 8th (4:00 pm) 2007

Grand Hyatt Hotel
Seoul, Republic of Korea

Dear Colleagues,

The preparations for the upcoming Bioceramics and Alternative Bearings in Joint Arthroplasty, 12th BIOLOX® Symposium are well underway. The Symposium is planned for September 7th and 8th 2007 in the City of Seoul, Korea. It is our hope that by holding this Symposium in Korea, it will serve as proper recognition and tribute to the many innovations and contributions that have been developed by the Asia-Pacific Orthopedic Surgical Community in the field.

This Symposium tries to preserve the continuity 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 orthopedic 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 recognized experts in the field in order to offer a well coordinated program. We hope that you will find the program to be of high value in your field of expertise.

We hope that you will decide to join us at the Grand Hyatt Hotel in Seoul on September 7th and 8th of 2007. If you decide to attend please follow the Symposium registration and hotel reservation guidelines in the pertinent section of this brochure.

We very much look forward to having you join us in Seoul, Korea.



Prof. Jun-Dong Chang
Symposium President



Karl Billau
Managing Director
CeramTec Medical Products



Paul Silberer
International Business Manager
CeramTec Medical Products

Friday, September 7th, 2007



View of Grand Hyatt Hotel at dusk

12:30 pm Symposium Opening: **Jun-Dong Chang, Karl Billau**

SESSION 1: Tribology

Part A Chairmen: Y.-M. Kim, I. Clarke

12:40 pm –

1:45 pm

H. Kiefer (Germany)

Difference and opportunities of THA in USA, Asia and Europe

C. Hendrich, N. Wollmerstedt (Germany), **J. M. Martell** (USA)

Influence of the wear-couple and patient activity on linear wear in Total Hip Replacement

L. B. Solomon, D.W. Howie, R. Stamenkov, S.D. Neale, M.A. McGee,

D.M. Findlay, D.J. Taylor, S. Callary (Australia)

Factors influencing acetabular osteolysis and its progression in uncemented Total Hip Replacement.

S.-S. Lee, J.-D. Chang (Korea), **P. E. Purdue** (USA)

Cellular and molecular targets of wear debris in current researches

SESSION 1: Tribology

Part B Chairmen: Y.-H. Kim, J. Garino

1:45 pm –

2:30 pm

I.C. Clarke , D. Green D, P. Williams, G. Pezzotti, T. Donaldson (USA)

Wear Performance of 36 mm BIOLOX[®]forte/delta Hip Combinations Compared in Simulated 'Severe' Micro-separation Test Mode

A. Toni, F. Traina, S. Stea, S. Affattato, F. Biondi, A. Galvani (Italy)

In-vitro and in-vivo ceramic debris with ceramic prosthesis

Y.-H. Kim (Korea)

Surface roughness of ceramic femoral heads after in vivo transfer of metal: correlation to polyethylene wear-chromium and zirconia heads after THR

V. Corfield, I. Khan, R. Scott (UK)

Hydrothermal stability of ceramic femoral head

2:40 pm –

3:00 pm

Coffee Break

SESSION 2: Ceramic/Polyethylene

Chairmen: I.-Y. Choi, F. Benazzo

3:00 pm –

3:55 pm

J.-S. Kang (Korea)

Ceramic on highly cross linked polyethylene

S.-K. Kim, J.-W. Park, J.-H. Wang. (Korea)

Comparative analysis of Ceramic-to-Ceramic bearing with metal to electron beam irradiated highly crosslinked UHMWPE bearing

Y.-Ho Kim (Korea)

Comparison of Uncemented Total Hip Arthroplasty between Metal-on-Metal and Ceramic-on-Polyethylene Bearing Surfaces in Young Patients – Minimum 8 Year Results – Retrospective Matched Pair Study

K. Kawanabe, K. Ise, B. Liang, T. Nakamura (Japan)

Comparison of polyethylene wear against alumina heads and zirconia heads in cemented total hip arthroplasty

Friday, September 7th, 2007

SESSION 3: Large Diameter Wear Couples (technical aspects)

3:55 pm – Chairmen: M.-C. Yoo, J.-Y. Lazennec

4:50 pm

T. Pandorf (Germany)

Wear of large ceramic bearing

P. Dalla Pria (Italy)

Evolution of diameters features and results

J. Oehy (Switzerland)

Design rationale for acetabular cups with alternative bearings and large diameter heads

Y.-S. Park, Y.-W. Moon, S.-J. Lim (Korea)

Use of Modular Femoral Stem Combined with Large Diameter Femoral Head in Alumina-on-Alumina Total Hip Arthroplasty

The Terrace of Grand Hyatt Hotel



Friday, September 7th, 2007

SESSION 4: Ceramic Knee Implants

4:50 pm – Chairmen: J.-M. Kim, W. Mittelmeier

6:00 pm

M.-C. Lee (Korea)

Ceramic femoral component for TKA – present and future

W. Mittelmeier, C. Schultze, D. Kluess, K.-P. Schmitz, R. Bader (Germany)

Finite-Element-Analyses of a cemented ceramic femoral component in total knee arthroplasty

T. Pandorf (Germany)

Advanced testing of femoral component

F. Benazzo (Italy)

Reasons using a ceramic femoral component and first clinical experience with a ceramic femoral component

H. Oonishi, S.C. Kim, H. Oonishi, M. Kyomoto,

M. Iwamoto, M. Ueno (Japan)

Clinical experience with a ceramic femoral component in Japan

6:00 pm –

6:40 pm

Plenary Lecture

Chairman: J.-D. Chang

K. Knahr

Tribute to Heinz Mittelmeier

H. Mittelmeier

The pioneer of cementless HIP systems with ceramic – Work of a lifetime

R. H. Rothman

The Bearing of the Future. Delta Ceramics vs Highly Crosslinked Polyethylene

Reception and Dinner

Saturday, September 8th, 2007

08:00 am **Welcome**

SESSION 5: Hard on Hard Bearings (Clinical experience)

Part A Chairmen: G. Pflüger, W.-Y. Shon

8:00 am –

9:20 am

B. Zicat (Australia)

Minimum Five Year Experience & Results with Ceramic-on-Ceramic Bearings

J. Garino (USA)

Clinical experience with Ce/Ce in USA

J.-Y. Lazennec (France)

Why we are using the all ceramic tripolar system?

Clinical, radiological and biomechanical evidences

Y.-J. Cho (Korea)

Lessons from the 1st generation Ceramic-on-Ceramic THA

H.-J. Kim, J.-J. Yoo (Korea)

Nine-year Experience with a Contemporary Alumina-on-Alumina THA Implant

J.-M. Lee (Korea)

Ceramic-on-Ceramic bearing in Coren[®] Hip system

9:20 am –

9:40 am

Coffee Break

*Indoor
Swimming Pool*



Saturday, September 8th, 2007

SESSION 5: Hard on Hard Bearings (Clinical experience)

Part B **Chairmen: H. Oonishi, S.-W. Park**

9:40 am –

11:10 am

P. Bösch, R. Legenstein, W. Huber, A. Ungersboeck (Austria)

12 Years Experiences with Metal-on-Metal (MoM) in
Total Hip Arthroplasty (THA)

M. Mohajer, F. Plattner, R. Graf (Austria)

Result of 10 years follow up of ceramic-ceramic couple in THA

K.-H. Moon, J.-S. Kang, J.-M. Cho (Korea)

Results of Ceramic-on-Ceramic AML in THA

S.-Y. Kim (Korea)

Alumina-on-Alumina THA in patients with Osteonecrosis less than fifty
years old – Minimum 5-year follow-up study

K.-H. Koo (Korea)

Cementless Alumina-on-Alumina Total Hip Arthroplasty in patients less
than fifty years old: a five-year minimum follow-up study

S.-J. Yim (Korea)

Ceramic-on-Ceramic in Hybrid THA(Cemented Femoral Stem) –
A five to seven year evaluation

Y.-Y. Won, K.-H. Moon (Korea)

Mechanical effect of the articulating materials to the proximal femur and
the femoral stem in THA

Saturday, September 8th, 2007

SESSION 6: Market Trends and Future Applications

11:10 am – Chairmen: A. Toni, C.-D. Han

12:10 pm

S.-Y. Kwon, Y.-S. Kim (Korea)

Surface characteristics and biocompatibility of Micro Arc Oxidized titanium alloy surface

J.-Y. Lazennec, P. Boyer, J. Poupon, M.A. Rousseau, F. Laude, Y. Catonné (France)

Reasons for our preference for ceramic over metal bearing. Clinical, radiological and biomechanical evidences

M. Grässel (Germany)

Spine: Ceramic disc – What you should know

K.-H. Widmer (Switzerland)

Trend: Bigger Ball Heads: Is bigger really better?

12:10 pm –

Lunch

1:20 pm

SESSION 7: Hip Revision

1:20 pm – Chairmen: K. Knahr, M.-S. Park

2:30 pm

K. Knahr, M. Pospischill (Austria)

Strategies for head and inlay exchange in revision hip arthroplasty

M. Kuntz (Germany)

Life time prediction of BIOLOX[®]delta

R. Giacometti Ceroni (Italy)

Experience and early results with BIOLOX[®]OPTION

S.-H. Lee, J.-H. Hwang (Korea)

Results of sandwich type Ceramic-on-Ceramic revision THA

T.-C. Yu (Taiwan)

Revision surgery of acetabular PE wear (cup retention or revision)

Saturday, September 8th, 2007

SESSION 8: Tips and Tricks

2:30 pm – Chairmen: K.-H. Widmer, S.-K. Hwang

3:50 pm

K. Kawate, T. Ohmura, I. Kawahara, H. Kataoka, K. Tamai, T. Ueha, Y. Takakura (Japan)

Tragedy of polyethylene back ceramic-on-ceramic articulation

M. Ishii (Japan)

Analysis of broken ceramic material in THA

B.-W. Min, K.-J. Lee, Y.-Y. Won, K.-Y. Lee (Korea)

Technical considerations to avoid ceramic liner fracture

T.-R. Yoon S.-G. Cho, D.-S. Lee (Korea)

Minimally Invasive Two-Incision Total Hip Replacement Using Large Diameter Ceramic-on-Ceramic Articulation

G. Pflüger, S. Junk-Jantsch (Austria)

MIC and the demands for bearing couples

R.G. Middleton, C. Olyslaegers, T.W. Wainwright (UK)

Computer Navigation: improving outcomes with hard-on-hard bearing

3:50 pm J.-D. Chang, K. Billau
Closing Remarks

4:00 pm End of the Symposium

**All podium presentations will be 10 minutes in duration.
A discussion period will be held either after each presentation
or at the end of the session based on the decision of
the session chairmen!**

SOCIAL PROGRAM

Reception and Get-Together-Party, September 7th 2007 in the private garden of the Grand Hyatt Hotel.

International BIOLOX[®] Award 2007 in honour of Prof. Heinz Mittelmeier

On the occasion of the 12th BIOLOX[®] Symposium, the President of the Symposium, Prof. Chang, and CeramTec will confer the International BIOLOX[®] Award 2007 in Honour of Heinz Mittelmeier. The award is assigned to young doctors, engineers and scientists for outstanding research and development work in the area of bioceramics and wear-related problems in the field of arthroplasty. The laureate will be selected by a scientific committee and distinguished during the Get-Together-Party. The winner of the award will receive € 5,000.

REGISTRATION

Full registration fee € 250,00

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!

APOA

Please take into consideration also to visit the 15th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) which will be held from 9th - 13th September 2007 at the COEX Convention and Exhibition Center, Seoul;

The Asia Pacific Orthopaedic Association (APOA) is an organization of orthopaedic surgeons mainly from the Asia-Pacific region. It was founded as the Western Pacific Orthopaedic Association in 1962 by seven orthopaedic surgeons, meeting in Manila. For any information, please contact



APOA 2007 Seoul Secretariat

MECI International Convention Services, Inc.
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212-8 Guro-dong, Guro-gu, Seoul 152-790, Korea
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E-mail: apoa2007@apoa2007.org
Registration: register@apoa2007.org
Hotel Reservation: hotel@apoa2007.org
Homepage: www.apoa2007.com

REGISTRATION FORM

Please send by mail or fax to:

Florence Petkow

CeramTec AG, Fabrikstr. 23-29, D-73207 Plochingen (Germany)

Phone +49 (0) 7153/611-513, Fax +49 (0) 7153/611-950,

E-mail F.Petkow@ceramtec.de

First Name _____

Surname/Last Name _____

Title _____

Affiliation _____

Street address _____

City, State/Province _____

Postcode, Country _____

Telephone, Fax _____

E-mail _____

Full registration fee € 250,00

Special registration fee € 50,00

Bank transfer to: Deutsche Bank AG, Stuttgart

Code word: **„Symposium 2007“**, account number 117741900,

routing number 60070070, IBAN DE33 6007 0070 0117 7419 00

BIC (Swift-Code): DEUTDESS, or cheque

Room Registration Details:

Grand Hyatt Hotel:

Single room Kw 215.000+VAT/night

Double room Kw 235.000+VAT/night

Smoking non smoking

No hotel accommodation required

Arrival Date _____

Departure Date _____

of nights _____

Date, Signature _____

BILOX[®]

**Ceramics in
Orthopaedics**



**Bioceramics and Alternative
Bearings in Joint Arthroplasty**

The 12th International BILOX[®] Symposium

September 7th – 8th 2007
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Seoul, Republic of Korea

CeramTec
THE CERAMIC EXPERTS

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BILOX®

Preliminary Program



Ceramics in Orthopaedics

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