5TH INTERNATIONAL CONFERENCE
ADVANCES IN ORTHOPAEDIC OSSEOINTEGRATION

The Swedish Exhibition & Congress Center
Gothenburg, Sweden

PROGRAM CHAIRS
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MAY 31-JUNE 1, 2013
Over the past fifty years, great strides have been made in the study of osseointegration, and from these findings new therapeutic options have emerged. Advances in basic science and engineering have been translated into clinically beneficial technologies in the fields of arthroplasty, oncology, and prosthetic rehabilitation. In this symposium, we will bring together international experts to explore our current understanding of the principles, techniques, and clinical outcomes of reconstructive therapies utilizing osseointegration technologies.

TARGET AUDIENCE
Orthopaedic oncology and arthroplasty attending surgeons, orthopaedic residents, prosthetists, veterinary professionals, basic scientists and allied health professionals in the fields of reconstructive and rehabilitative medicine.

• To assemble a diverse faculty of osseointegration experts to review and expand upon contemporary knowledge.
• To better understand the basic science and clinical developments across disciplines in the field of osseointegration.
• To appreciate the theoretical basis and the practical clinical advantages of compressive osseointegration technology for oncologic limb salvage and revision arthroplasty patients.
• To recognize the potential utility of osseointegration techniques for improving the clinical outcomes of amputee patients.
FRIDAY, MAY 31, 2013

7:00-7:45 am  Registration
7:45-8:00  Welcome and Introductory Remarks  Richard J. O’Donnell, MD

CONVENTIONAL OSSEOINTEGRATION: CLINICAL OUTCOMES AND REHABILITATION

8:00-8:30  A Follow-up of 100 Implants using the Integral Leg Prosthesis (ILP)  Munjed Al Muderis, MB, ChB
8:30-9:00  Bone Anchored Amputation Prostheses: State of the Art  Rickard Brånemark, MD, PhD, MSC
9:00-9:15  The Osseointegration Group of Australia Accelerated Protocol (OGAAP) for Rehabilitation of Amputees  Munjed Al Muderis, MB, ChB
9:15-9:30  Description of Rehabilitation and Outcome among 10 Patients with Bilateral Transfemoral Amputations Treated with OPRA in Sweden  Kerstin Haberg, RPT, PhD
9:30-9:45  Panel Discussion: Rehabilitation: Too Fast, Too Slow, or Just Right?  Moderator: Anna A. Kulidjian, MD

ASEPTIC AND SEPTIC COMPLICATIONS OF OSSEOINTEGRATED PROSTHESES

9:45-10:00  AAOS-ADA and IDSA Clinical Practice Guidelines for the Prevention, Diagnosis, and Management of Prosthetic Joint Infection  Richard J. O’Donnell, MD
10:00-10:15  Incidence and Management of Infection in OPRA Patients  Rickard Brånemark, MD, PhD, MSC
10:15-10:30  Mechanical Breakage of Compressive Osseointegrated Implants  Friedl Sinnaeve, MD
10:30-11:10  The Bertil Stener Memorial Guest Lecture: Team Work in Musculoskeletal Oncology  Franklin H. Sim, MD

IMPROVEMENTS IN OSSEOINTEGRATION TECHNOLOGY

11:10-11:25  Advances in Nano Scale Osseointegration / Combination with TMR and Implantable Electrodes / Stem Cells  Rickard Brånemark, MD, PhD, MSC
11:25-11:40  Modelling the Mechano-biological Interface Changes around Transfemoral Osseointegrated Implants using Physical Models and Detecting the Changes with Vibration Analysis  Nicola J. Cairns, PhD
11:40-11:55  Finite Element Modelling of the Mechano-biological Interface Changes around Transfemoral Osseointegrated Implants and the Simulated Dynamic Properties  Nicola J. Cairns, PhD
11:55-12:10 pm  Two-stage Implantation of the Porous Composite Skin and None Integrated Pylon Seeded with Dermal Fibroblasts for Preventing Marsupialization  Maxim Shevtsov
12:10-1:30  Working Lunch: EMSOS Symposium VI

CONVENTIONAL OSSEOINTEGRATION

1:30-1:40  Osseointegration: An Overview  Rickard Brånemark, MD, PhD, MSC
1:40-1:50  A Decade’s Experience with the Integral Leg Prosthesis (ILP): a Case Series Study of Design Modifications to Prevent Infection  Horst H. Aschoff, Dr Med
FRIDAY, MAY 31, 2013 (CONT’D)

1:50-2:00 Case Presentations of the Integral Leg Prosthesis (ILP): Achievements and Pitfalls
Horst H. Aschoff, Dr Med

2:00-2:05 Osseointegration: The Experience of the First Seven Patients in Leiden
Nicolette A.C. Leijerzapf, MANP

2:05-2:10 Bone Anchored Prosthesis with the Osseointegration Technique in Transfemoral Amputees: Results from the Prospective OPRA Study
Örjan Berlin, MD, PhD

2:10-2:15 Osseointegration is a Viable Solution for Rehabilitating Patients Post Tumor-related Amputations
Rickard Brånemark, MD, PhD, MSC

2:15-2:30 Panel Discussion: Conventional Osseointegration
Moderators:
Richard J. O’Donnell, MD
Anna A. Kulidjian, MD

COMPRESSION OSSEOINTEGRATION

2:30-2:45 Longer Term Follow-up of Compressive Osseointegration for Prosthetic Fixation
John H. Healey, MD

2:45-3:00 Reconstruction of Massive Bone Defects using Compressive Osseointegration
Franklin H. Sim, MD

3:00-3:15 A Dual Center Review of Compressive Osseointegration for Fixation of Massive Endoprosthetics: 2-9 year Follow-up
George T. Calvert, MD

3:15-3:30 Intermediate Term Compressive Osseointegration Follow-up: The Experience in Belgium
Ignace Samson, M.D

3:30-3:40 Afternoon Break

3:40-3:55 Compression Osseointegration of Proximal Femoral Oncologic Implants
Lauren A. Hackney, MD

3:55-4:10 Compression Osseointegration for Distal Femur Reconstruction in Patients with Giant Cell Tumor
Debbie Y. Dang, MD

4:10-4:25 Endoprosthetic Reconstruction using Compressive Osseointegration Technology for Proximal Tibial Primary Oncologic Defects
Brian J. Cook

4:25-4:45 Panel Discussion: Technical Aspects of Compressive Osseointegration
Moderator:
Richard J. O’Donnell, MD

5:00-5:15 Closing Remarks: Orthopaedic Osseointegration and the OSOS
Richard J. O’Donnell, MD

5:15 pm Adjourn

SATURDAY, JUNE 1, 2013

OSSEOINTEGRATION: SURGICAL TECHNIQUES

Instructional Course: Bone Anchored Amputation Prostheses: Surgical Technique with Hands On & Rehabilitation

8:00-9:00 am Continental breakfast

9:00-9:30 Introductory Lecture: OPRA Surgical Concepts
Rickard Brånemark, MD, PhD, MSC

9:30-10:30 Demonstration and Hands-on Sawbones Stepwise S1 and S2 using the OPRA Implant System on the Transfemoral Level
Rickard Brånemark, MD, PhD, MSC
Örjan Berlin, MD, PhD

10:30-11:00 Morning break

11:00-12:00 pm Rehabilitation, Stepwise Rehab Outlines, Stepwise Rehab Principles, Demonstration with Patients
Rickard Brånemark, MD, PhD, MSC
Kerstin Haberg, RPT, PhD
Örjan Berlin, MD, PhD
Eva Häggström, CPO

12:00 pm Adjourn
ORTHOPAEDIC TRAUMA INSTITUTE
ATTN: Erin Simon
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Building 9, Third Floor
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San Francisco, CA 94110
MMJ13003

REGISTRATION INFORMATION
Tuition:
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$250 Allied Health Professionals and Residents
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REFUND POLICY
Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION
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RENTAL CAR
Hertz is offering special rates for participants of this conference; simply call (800) 654-2240 and refer to identification number # 03BW0129, or call your travel agent. You may also make reservations at www.Hertz.com. Advance reservations are recommended.

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Please contact Erin at Simone@orthosurg.ucsf.edu if you have any problems making the reservations.

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