

## **IMSART - Publications 2011**

### **Original papers**

- Comparison of inpatient treatment costs after balloon kyphoplasty and non-surgical treatment of vertebral body compression fractures. Becker S, Pfeiffer KP, Ogon M. Eur Spine J 2011; Volume 20,8:1259-1264
- Electromyographic study of the popliteus muscle in the dynamic stabilization of the posterolateral corner structures of the knee. Schinhan M, Bijak M, Unger E, Nau T. Am J Sports Med. 2011 Jan;39(1):173-9. Epub 2010 Aug 31.
- Entwicklung und Evaluierung eines fußballspezifischen Komplextests. (Development and Evaluation of a Soccer Focused Complexity Test). Schwesig R, Darmochwal M, Diedrich T, Wölfel A, Weirauch H, Eder P, Becker S, Leuchte S. Sportverletz Sportschaden. 2011 Mar;25(1):30-36
- Evaluation of a tiered trauma call system in a level 1 trauma centre. Curtis K, Olivier J, Mitchell R, Cook A, Rankin T, Rana A, Watson WL, Nau T. Injury. 2011 Jan;42(1):57-62.
- Mechanical Variables Affecting Balloon Kyphoplasty Outcome- A Finite Element Study. Dabirrahmani D, Becker S, Hogg M, Appleyard R, Baroud G, Gillies M. Comput Methods Biomech Biomed Engin. 2011 Apr 1:1

### **Short publications**

- Ablation of the basivertebral nerve for the treatment of back pain: A pilot clinical study. Heggeness M, Becker S, Hadjipavlou A, Danielson G, Calodney A, Belza M, Carl A, Gordon C. Spine J 2011, 11: 65S

### **Book chapters**

- Biomechanische Überlegungen zum Zementverhalten bei vertebrealen Augmentationen. Becker S, Appleyard R, Baroud G, Dabirrahmani SD, Gillies M, Hogg M. In: Kurth, A. Orthopädische Osteologie, Uni-Med Verlag Bremen 2011
- Vertebroplastie sowie kyphoplastische Verfahren zur Behandlung der Wirbelkörperfraktur – ein Überblick. Becker S, Hahn M, Rohlmann A. In: Kurth, A. Orthopädische Osteologie, Uni-Med Verlag Bremen 2011

### **Patents**

- Orthopedic Device and Method. PCT/CA2011/000073

### **Oral papers**

- Wenn der Knochen bricht: Was leistet der orthopädische Unfall-/Chirurg inkl. Fallvorstellung Symposium Lilly – im Gespräch: Osteoporose, Wien, A
- Spine Surgery- Clinic and Model Approaches. Expertissues Winterschool on "Preclinical Models and Imaging in Musculoskeletal Tissue Engineering", Radstadt, A
- Introduction to the Si joint: anatomy, physiology, physical examination. SI – Bone workshop, Leiden January, March, NL
- Introduction to the Si joint: anatomy, physiology, physical examination. SI – Bone workshop, Arezzo January / February / November, I
- Biomaterials in spinal non fusion techniques – is there a future? GRIBOI 2011 - The 21st Interdisciplinary Research Conference on Injectable Osteoarticular Biomaterials and Bone Augmentation Procedures, Boston, USA
- The SKELTEX ISV System. GRIBOI 2011, Boston, USA

- Biomaterials in spinal non fusion techniques – is there a future? Covidien internal education presentation, Boston, USA
- Nucleoplasty, indications, results and experience. ArthroCare cadaver workshop, Royal Australian College of Surgeons, Melbourne, AUS
- Challenges in Spine Surgery - actual topics and implications for the future. Swiss Society of Biomaterials, Yverdon, CH
- Vertebroplasty and Kyphoplasty. Update and new trends. WENMISS congress, Bonn, D
- Kiva Kyphoplasty. WENMISS congress, Bonn, D
- Cerament-indications in screw augmentation and young osteoporotic patients. WENMISS congress, Bonn, D
- Nucleoplasty, indications, results and experience. 4th Interventional Hands-On Pain Relief & Neuromodulation Cadaver Workshop, Gdańsk, PL
- New aspects in vertebral pain management. 4th Interventional Hands-On Pain Relief & Neuromodulation Cadaver Workshop, Gdańsk, PL
- Epidemiologie, Osteoporotische Frakturen. Zertifizierungskurs Osteologie DVO, Wien, A
- Behandlung osteoporotischer Frakturen. Zertifizierungskurs Osteologie DVO, Wien, A
- The DTRAX System. Providence Medical Hands – on workshop. Salzburg, A
- Cervical nucleoplasty, indications, results and experience. ArthroCare Spine Nucleoplasty & Vertebroplasty Cadaver Training Course. Salzburg, A
- Nucleoplasty, indications, results and experience. ArthroCare workshop Benh Vien Dai Hoc Y Duoc - University Medical Center, Ho Chi Minh City, VN
- Nucleoplasty, indications, results and experience. ArthroCare workshop Benh Vien Da Nang Multi Function Medical Facility, Da Nang, VN
- Nucleoplasty, indications, results and experience. ArthroCare workshop, Hong Kong, HK
- Anatomy and physiology of the spine. Covidien internal training, Kuala Lumpur, MY
- Pathology of the spine: discal herniation, spinal stenosis. Covidien internal training, Kuala Lumpur, MY
- New trends and applications for dural tears and adhesion prophylaxis using DuraSeal Xact™ adhesion barrier and sealant system: Is the prophylactic use of an adhesion barrier justified? Covidien internal training, Kuala Lumpur, MY
- The DTRAX System. Providence Medical Hands – on workshop. Meducation, Mülheim, D
- Update Vertebroplastie. 5. Vertebroplastie – Kyphoplastie Symposium, Potsdam, D
- Das KIVA System. 5. Vertebroplastie – Kyphoplastie Symposium, Potsdam, D
- New trends and applications for dural tears and adhesion prophylaxis using DuraSeal Xact™ adhesion barrier and sealant system: Is the prophylactic use of an adhesion barrier justified? Covidien workshops Istanbul, TR / Prag, CZ
- Kiva Clinical Experience and Kast. Kiva Launch Training, Zimmer Spine, Salzburg, A
- Kiva Tips and Tricks. Kiva Launch Training, Zimmer Spine, Salzburg, A
- Autologe PRP-Therapie in Orthopädie und Unfallchirurgie. Lehrgang „Advanced Orthopedic Surgery, aktuelle Konzepte der orthopädischen Chirurgie MSc, Zentrum für Regenerative Medizin, Donau-Universität Krems, A
- Nucleoplasty, indications, results and experience. Happy Hour Workshop ArthroCare, Eurospine, Milano, I
- Fracture Healing and Surgical Options in Fracture Treatment. Vorlesung, Université de Sherbrooke, Can
- Ablation Of The Basivertebral Nerve For The Treatment Of Back Pain: Results From A Pilot Clinical Study. Best paper session, NASS, Chicago, USA
- Beschwerden des Bewegungsapparates - es muß nicht immer gleich operiert werden. Fortbildung Ordination Dr. Wudy, Weissenbach, A
- Anatomy & Physiology. SI Bone internal education, Pavia, I
- Biomechanics and Diagnosis. SI Bone internal education, Pavia, I
- DTrax – ein neues perkutanes posteriores Verfahren zur zervikalen Fusion. Orthovative Lunch Workshop. Deutscher Wirbelsäulenkongress Hamburg, D

## **Congress organisation / chairman / workshops / live operations**

- Faculty SI – Bone workshop, Leiden, NL, Arezzo, I
- Chairman Key Lectures, GRIBOI, The 21st Interdisciplinary Research Conference on Injectable Osteoarticular Biomaterials and Bone Augmentation Procedures, Boston, USA
- Chairman Intradiscal Injections GRIBOI, Boston, USA
- Faculty ArthroCare cadaver workshop, Royal Australian College of Surgeons, Melbourne, AUS
- Faculty, 4th Interventional Hands-On Pain Relief & Neuromodulation Cadaver Workshop, Gdańsk, PL
- Faculty, Providence Medical Hands – on workshop. Salzburg A
- Faculty, ArthroCare Spine Nucleoplasty & Vertebroplasty Cadaver Training Course. Salzburg, Juli, A
- Live operations. ArthroCare workshop Benh Vien Dai Hoc Y Duoc - University Medical Center, Ho Chi Minh City, VN
- Live operations. ArthroCare workshop Benh Vien Da Nang Multi Function Medical Facility, Da Nang, VN
- Live operations, Covidien technology, Fatimah Hospital, Ipoh, My
- Faculty, Providence Medical Hands – on workshop. Meducation, Mülheim, D
- Chairman, 5. Vertebroplastie – Kyphoplastie Symposium, Potsdam, D
- Faculty, Kiva Launch Training, Zimmer Spine, Salzburg, A
- Faculty, Relievent PI study training, Leiden, NL
- Faculty, design development and testing, Spinal Balloon, Leiden, NL