

IMSART - Publications 2012

Original papers

- Abbildung des medizinischen Leistungsgeschehens im österreichischen LKF-System am Beispiel der Radiofrequenz-Kyphoplastie im LKF-Modell 2012. S Becker, M Wollny, A Krüger - Journal für Mineralstoffwechsel, 2012;19,1:33-37
- Can falls be predicted with gait analytical and posturographic measurement systems? A prospective follow-up study in a nursing home population. Schwesig R, Fischer D, Lauenroth A, Becker S, Leuchte S. Clin Rehabil published online 27 July 2012
- Cement interdigitation and bone-cement interface after augmenting fractured vertebrae: A cadaveric study Journal of Spine Surgery 2012;6,1: 115–123. Krüger A, Oberkircher L, Kratz M, Baroud M, Becker S, Ruchholtz S
- 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. 2012; 15,3:211-220
- Road trauma, patterns of injury and mortality in an Australian trauma centre. Frydenberg EM, Curtis K, Chong S, Poulos R, Grzebieta RH, Steel TR, Nau T. J Australasian Coll Road Safety 2012, 23; 21-28

General publications and abstracts

- Can Nerve Ablation Reduce Chronic Back Pain? Stanton T, Becker S. AAOS now 1/2012
- The symphysis in patients with SI joint pain: A pilot study. Becker S. The Spine Journal, 2012,19,9:69
- Die Bedeutung von Vertebroplastie und Kyphoplastie für den Osteologen. Bonespower, der Osteoporose – Newsletter 1/12:1
- Minimal-invasive chirurgische Versorgung der osteoporotischen Wirbelkörperfraktur. SPECTRUM Osteoporose 2012;1:14-15
- Neue Verfahren für den Rücken. Becker S. Mallorca Zeitung 11/2012
- Osteointegration of anterior cruciate ligament scaffolds fabricated of bombyx mori silk. Teuschl A, Ferguson JC, Szomolanyi P, Trattinig S, Redl H, Nau T. J Tissue Eng Regen Med 2012; 6 (Suppl.1): 28.P13
- Thermosensitive poly-caprolactone scaffolds for 3D myogenic and osteogenic differentiation of C2C12 cells. Hruschka V, Saeed A, Cheikh al Ghanami R, Feichtinger G, Nürnberge Sr, Meinel A, Nau T, Redl H, Shakesheff K, Wolbank S. J Tissue Eng Regen Med 2012; 6 (Suppl.1): 28.P13

Book

- Vaccaro A, Becker S (eds). Mercer's Textbook of Orthopaedics and Trauma, 10th Edition, part eight: The Spine. Hodder Arnold, London 2012, ISBN 978 0 340 942 031

Bookchapters

- Surgical options in the osteoporotic spine. Becker S. In: Mercer's Textbook of Orthopaedics and Trauma, 10th Edition, Hodder Arnold, London 2012, ISBN 978 0 340 942 031: 1024-1047
- Malignant tumours of the axial spine. Becker S, Schirmacher V. In: Mercer's Textbook of Orthopaedics and Trauma, 10th Edition, Hodder Arnold, London, 2012, ISBN 978 0 340 942 031: 1058-1076

Oral papers

- Percutaneous Cervical Fusion with DTrax, Royal college of surgeons, London, UK
- Anatomy, Biomechanics and Diagnosis of Sacro-Iliac Joint Disorders, Paracelsus Universität Salzburg, A
- Anatomy, Biomechanics and Diagnosis of Sacro-Iliac Joint Disorders, Asian-American Institute for Research and Education, Arezzo, I
- Autologe PRP-Therapie bei Arthrose, ÖGO – Symposium Arthrose, Salzburg, A
- Dtrax – Percutaneous Posterior Cervical Decompression and Fusion System: A novel concept for the treatment of Cervical Radiculopathy. Annual Imperial Spine Course, Royal College of Surgeons, London, UK
- Basic Science, Pathology and Diagnosis, iFuse Implant System Surgical Technique and Case Studies. University of Leiden, NL, Mar / Nov 2012
- VCF Diagnosis & Radiographic Imaging, Kiva Surgical Technique, Kiva Clinical Experience and KAST, Paracelsus Universität Salzburg, A
- Experience with a New Bone Preserving Kyphoplasty Procedure, ISSAS
- 2012, Barcelona
- Innovative bone graft substitution: yesterday, today and tomorrow. Pan European Baxter BioSurgery Symposium, "Innovative Biotechnologies in Orthopaedics and Spinal Surgery", Wien, A
- Early experience with a new bone preserving kyphoplasty procedure. Spine Week Amsterdam
- Kiva design and philosophy. Long-term results, Kiva system in trauma and tumor indications. SpineWeek ,Amsterdam NL
- Basic Science, Pathology and Diagnosis, iFuse Implant System Surgical Technique and Case Studies. SpineWeek, Amsterdam, NL
- Autologous PRP Therapy in Orthopaedics and Traumatology. 3rd International congress "Health Care in the Russian Federation, CIS and European countries", Moscow, Rus
- Percutaneous Cervical Fusion with DTrax, Meducation Center Rhein / Ruhr, Düsseldorf, D, Sep/Nov 2012
- iFuse – Behandlung der ISG- Dysfunktion mit einem neuen Implantat. 4. Marburger Wirbelsäulensymposium
- "Preclinical models in Tissue Engineering". 29th AGA Congress, Sep 13th – 15th, 2012, Zuerich, Switzerland
- New Approaches for Surgeons to Improve Survival Rates in Cancer Patients. Texas Back Institute Research Foundation, Neuroscience meeting, Plano, USA

- The symphysis in patients with SI joint pain – A pilot study. NASS 27th annual Meeting, Dallas, USA
- Nucleoplasty - indications, results and experience Shanghai No. 10 People's Hospital, Shanghai, Cn
- Nucleoplasty - indications, results and experience. Geological Hospital, Fuzhou, Cn
- Nucleoplasty - update and special aspects. Shenzhen Pain Meeting, Futian Hospital, Shenzhen, Cn
- Nucleoplasty - indications, results and experience. Minimal-invasive interventional pain surgery forum, Nanshang Hospital, Shenzhen, Cn
- Evolution of VCF treatment – Indications, Tips and Tricks and clinical experience. Université Paris Descartes, Paris, F
- Dtrax, special aspects and cases, Orthovative workshop, DWG Kongress, Stuttgart, D
- Autologous PRP Therapy in Orthopaedics and Traumatology, Workshop on biotechnology, University of Turku, Turku, F
- Autologous PRP Therapy in Orthopaedics and Traumatology, Workshop on biotechnology, Helsinki University Central Hospital, Helsinki, F
- Autologous PRP Therapy in Orthopaedics and Traumatology, Workshop on biotechnology, Tilkka Hospital , Helsinki, F

Congress organisation / chairman / workshops / live operations

- Chairman “Komplikationen + Konzepte”, 4. Marburger Wirbelsäulensymposium
- Chairman and faculty, Zimmer and SI – Bone workshops SpineWeek 2012, Amsterdam, NL
- Chairman Palma Clinic Workshop, “New Technologies in Orthopedics”, Castel Miquel, Alaro, E
- Symposium organisation and chairman poster session “intradiscal technologies”, 3rd TERMIS World Congress 2012, Wien A
- Symposium organisation and chairman session 05. Intradiscal Technologies and Spine Surgery (in coop. GRIBOI), 3rd TERMIS World Congress 2012, Wien, A
- Chairman session “Surgical Complications” NASS 27th annual Meeting, Dallas, USA
- Chairman und faculty DTrax workshop, Royal college of surgeons, London, UK Jan / Mar 2012
- Chairman und faculty DTrax workshop, Sep / Nov, Düsseldorf, D
- Chairman und faculty Si - Bone workshop, Mar / Nov, University of Leiden, NL
- Chairman und faculty Si - Bone workshop, Paracelsus Universität Salzburg, A
- Chairman und faculty Spinal Balloon workshop, University of Leiden, NL
- Chairman und faculty Zimmer / Benvenue workshop, Paracelsus Universität Salzburg, A
- Faculty Hands-on Workshop “Innovative Biotechnologies in Orthopaedics and Spinal Surgery”, Baxter Bioscience, Ortho / Donau, A
- Faculty SI – Bone workshop, Arezzo, I
- Faculty Zimmer Bioskills Institute, Université Paris Descartes, Paris, F
- Live operation ArthroCare technology, Geological Hospital, Fuzhou, Ch
- Live operation SI-bone technology, American Hospital Rome, I
- Live operation SI-bone technology, Clinic Neuendettelsau, D
- Live operation SI-bone technology Ospedale Brotzu, Cagliari, Sardinia, I
- Live operation SI-bone technology Ospedale San Leopoldo Mandic di Merate, I

- Local Advisory Board. TERMIS 2012, Tissue Engineering and Regenerative Medicine World Congress, Vienna, Austria