

IMSART publications 2010

Original papers

Cement Filling Control and Bone Marrow Removal in Vertebral Body Augmentation by Unipedicular Aspiration Technique: An Experimental Study Using Leakage Model. Mohamed R. Silbermann C, Ahmari A, Bohner M, Becker S, Baroud G. Spine 2010 Feb 1;35(3):353-60

Diagnostik der Ausdauerleistungsfähigkeit im Handball. [Diagnostic tools for endurance testing in handball players] Schwesig R, Weirauch H, Eder P, Becker S, Leuchte S. Sportverl Sportschad 2010 24,1: 46-51

Severe osteoporosis with multiple vertebral fractures after gender reassignment therapy - is it male or female osteoporosis? Fischer EM, Patsch J, Muschitz C, Becker S, Resch H. Gynecol Endocrinol. 2010 Jun 14. [Epub ahead of print]

Reliabilitätsstudie zum Ganganalysesystem RehaWatch. [Reliability of the novel gait analysis system RehaWatch. Schwesig R, Kauert R, Wust S, Becker S, Leuchte S. Biomed Tech (Berl). 2010;55(2):109-15.

Nachteile der Ballonkyphoplastie mit PMMA, eine klinische und biomechanische Stellungnahme. Becker S, Dabirrahmani D, Hogg M, Appleyard R, Baroud G, Gillies M. Journal für Mineralstoffwechsel 2010;17,1:10-13

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. Injury. 2011 Jan;42(1):57-62. 2010 May 28. [Epub ahead of print]

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. 2011 Jan;39(1):173-9. Epub 2010 Aug 31.

Age differences in fall-related injury hospitalisations and trauma presentations. Mitchell R, Curtis K, Watson WL, Nau T. Australas J Ageing. 2010 Sep;29(3):117-25

Trauma Case Management – Schlüssel zur Interdisziplinarität. Nau T. Clinicum 09/2010

short publications

Biomechanical evaluation of different augmentation techniques and different screws in osteoporosis. Becker S, Chavanne A, Spitaler R, Kropik K, Ogon M, Redl H. J Bone Joint Surg Br Proceedings 2010 Vol. 92-B, Num. Supp I

The treatment of vertebral fractures with injectable resorbable bone cements, osteopromotive capacity and surgical considerations. Becker S, Wilke I, Ogon M. J Bone Joint Surg Br Proceedings 2010 Vol. 92-B, Num. Supp I

Randomized Trial of Balloon Kyphoplasty and Nonsurgical Care for Patients with Acute Vertebral Compression Fractures. Becker S, Wardlaw D, Bastian L, Van Meirhaeghe J, Ranstam J, Cummings SR, Boonen S. A J Bone Joint Surg Br Proceedings 2010 Vol. 92-B, Num. Supp I

The Impact of Cement Stiffness and Filling Volume after Cementoplasty on the Risk of Adjacent Vertebral Fractures. EFORT. Gillies M, Becker S, Hogg M, Dabirrahmani D, Appleyard R. J Bone Joint Surg Br Proceedings 2010 Vol 92-B, Supp I, 209

The impact of cement stiffness, bone density and filling volume after balloon kyphoplasty and the risk of stress shielding on adjacent vertebral fractures. Becker S, D. Dabirrahmani D, Appleyard R, Hogg M, Baroud G, Gillies M. Osteoporos Int 2010, 21:[Suppl1], 118-119

Patents IMSART

Orthopedic Device and Method. US provisional 61/296,761.

Oral papers IMSART

Cementoplasties, changed landscape and implication for the future. 20th annual meeting of GRIBOI, Torino.

Novel integrated approaches in vertebroplasty with unipedicular aspiration. 20th annual meeting of GRIBOI, Torino.

Evaluation of the treatment costs after balloon kyphoplasty versus conservative treatment in osteoporotic vertebral fractures – an economical analysis. 20th annual meeting of GRIBOI, Torino.

Aktuelle Ergebnisse und Entwicklungen in der chirurgischen Versorgung osteoporotischer Frakturen. Management der Osteoporose und neue Therapieansätze im Jahr 2010. Collegium Publicum der Wiener Ärztekammer, Wien.

The impact of cement stiffness, bone density and filling volume after balloon kyphoplasty on the risk of stress shielding and adjacent vertebral fractures. IOF World Congress on Osteoporosis & 10th European Congress on Clinical and Economic Aspects of Osteoporosis and Osteoarthritis. Firenze.

Kritische Bewertung der Vertebroplastie / Kyphoplastie. Neue Ergebnisse und Systeme, Ausblick. 91. Deutscher Röntgekongress, Berlin.

New surgical aspects in KP. 11. EFORT Congress, Madrid.

Introduction spine surgery and malignant tumors - options and possibilities. Ipoh Specialist Hospital, Ipoh, Malaysia.

Therapeutic aspects of an immune combination therapy including hyperthermia, dendritic cells and oncolytic viruses. Ipoh Specialist Hospital, Ipoh, Malaysia.

New developments and techniques in MIS surgery. Pantai Hospital Kuala Lumpur, Malaysia.

Introduction spine surgery and malignant tumors - options and possibilities. Pantai Hospital Kuala Lumpur, Malaysia.

Therapeutic aspects of an immune combination therapy including hyperthermia, dendritic cells and oncolytic viruses. Pantai Hospital Kuala Lumpur, Malaysia.

Aggrecan polymorphism can be used to identify individuals susceptible to premature disc degeneration. Myth or Truth? World Forum for Spine Research, AO Spine, Montreal.

Guest lecture Vertebroplasty and Kyphoplasty. Update and new trends. Temple University Philadelphia.

Spine Surgery - Clinic and Model Approaches. Expertissues Double-Workshop. Ludwig Boltzmann Institut für experimentelle und klinische Traumatologie, Wien.

The new ArthroCare controller - my first experiences. ArthroCare workshop, Wien.

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? Lunchworkshop Eurospine, Wien.

New trends and applications in dural tears and adhesion prophylaxis – Duraseal exact. Covidien Workshop, Mechelen, Belgien.

Update Vertebroplastie. 3. Marburger Wirbelsäulensymposium, Marburg.

Das KIVA System. 3. Marburger Wirbelsäulensymposium, Marburg

Introduction to the Si joint: anatomy, physiology, physical examination. SI – Bone workshop, Salzburg.

Injizierbare Knochenersatzstoffe. BoneSupport Masterclass, Hamburg, Düsseldorf.

Knie-Biomechanik und 3D Bewegungsanalyse – LBI für experimentelle und klinische Traumatologie. Wien

Nucleoplasty, indications, results and experience. Barunesang Hospital, Hyundai Uvis Hospital and Seum Hospital, Seoul, November 2010

Nucleoplasty, indications, results and experience. National University of Singapore, Singapore, November 2010

Nucleoplasty, indications, results and experience. ArthroCare workshop for private spine clinics, Singapore, November 2010

Die Zementaugmentation von Standardpedikelschrauben. Biomet Workshop, Deutsche Gesellschaft für Wirbelsäulenchirurgie DGW, Bremen Dezember 2010

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? Dinnerworkshop, DGW, Bremen, Dezember 2010

congress organisation / chairman / workshops

Chairman / Faculty ArthroCare Spine Nucleoplasty & Vertebroplasty Cadaver Training Course. Salzburg

Chairman / Faculty KIVA Kyphoplasty cadaver workshop

Chairman Session 7 – Scientific Communications (Clinical). GRIBOI Turino

Chairman Session 9 – Scientific Communications (Biomaterials). GRIBOI Turino

Chairman / Faculty ArthroCare Spine Nucleoplasty & Vertebroplasty Cadaver Training Course. Salzburg

Faculty Covidien Lunch Workshop, Eurospine, Wien

Faculty ArthroCare Lunch Workshop, Eurospine, Wien

Faculty / Chairman Covidien Course DuraSeal Exact, Mechelen, Belgien

Chairman Komplikationen und Konzepte. 3. Marburger Wirbelsäulensymposium, Marburg

Faculty / Chairman Bonesupport Masterclass, Hamburg, Düsseldorf

Chairman Vienna Tissue Engineering Cluster Meeting, Expertissues, Cartilage/Tendon Regeneration Session, Wien

Faculty Si Bone cadaver workshop, Salzburg

Faculty BoneSupport Masterclass, Hamburg

Faculty Arthrocare courses and live operations, Seoul

Faculty Arthrocare courses, Singapore

Faculty Biomet workshop, DWG, Bremen

Faculty Covidien workshop, DWG, Bremen