

ORIGINALARBEITEN

a) TOP

1. Apprich S, Trattnig S, Welsch GH, Noebauer-Huhmann IM, Sokolwski M, Hirschfeld C, Stelzeneder D, **Domayer S**: Assessment of articular cartilage repair tissue after matrix-associated autologous chondrocyte transplantation or the microfracture technique in the ankle joint using diffusion-weighted imaging at 3 Tesla. *Osteoarthritis Cartilage*. Epub 21 Mar 2012. Jul;20(7):703-11, 2012 **(3.904)**
2. **Domayer SE**, Apprich S, **Stelzeneder D**, Hirschfeld C, Sokolowski M, Kronnerwetter C, **Chiari C**, **Windhager R**, Trattnig S: Cartilage repair of the ankle: First results of T2 mapping at 7.0 Tesla after microfracture and matrix associated autologous cartilage transplantation. *Osteoarthritis Cartilage*. Epub 26 Apr. 2012. Aug;20(8):829-36, 2012 **(3.904)**
3. Frühwald-Pallamar J, Szomolanyi P, Fakhrai N, **Lunzer A**, Weber M, Thurnher MM, Pallamar M, Trattnig S, Prayer D, Noebauer-Huhmann IM: Parallel imaging of the cervical spine at 3T: optimized trade-off between speed and image quality. *AJNR Am J Neuroradiol*. Epub 3 May. Nov;33(10):1867-74, 2012 **(2.928)**
4. **Hofstaetter JG**, Hofstaetter SG, Nawrot-Wawrzyniak K, Hiertz H, **Grohs JG**, Trieb K, **Windhager R**, Klaushofer K, Roschger P: Mineralization pattern of vertebral bone material following fragility fracture of the spine. *J Orthop Res*. Epub 6. Jan. Jul;30(7):1089-94, 2012 **(2.811)**
5. Juras V, Zbyn S, Pressl C, **Domayer SE**, **Hofstaetter JG**, Mayerhoefer ME, **Windhager R**, Trattnig S: Sodium MR imaging of Achilles tendinopathy at 7T: Preliminary results. *Radiology*. Epub Nov 4 2011. Jan;262(1):199-205, 2012 **(5.726)**
6. **Kolb A**, Gröbl A, Schneckener C-D, **Chiari C**, Kaider A, **Lass R**, **Windhager R**: Cementless total hip arthroplasty with the rectangular titanium Zweymüller stem. A concise follow-up, at a minimum of twenty years, of previous reports. *J Bone Joint Surg-Am*. Sep 19;94-A(18):1681-4, 2012 **(3.272)**
7. Lohberger B, Rinner B, Stuendl N, Absenger M, Liegl-Atzwanger B, **Walzer SM**, **Windhager R**, Leithner A: Aldehyde dehydrogenase 1, a potential marker for cancer stem cells in human sarcoma. *PLoS One*. Epub 23 Aug. Aug;7(8):e43664, 2012 **(4.092)**
8. Pilz M, **Holinka J**, Vavken P, Marian B, **Krepler P**: Taurine chloramine induces apoptosis in human osteosarcoma cell lines. *J Orthop Res*. Epub 4 June 2012. Dec;30(12):2046-51, 2012 **(2.811)**
9. Scheipl S, Fröhlich E, Leithner A, Beham A, Quehenberger F, Mokry M, Stammberger H, Varga PP, Lazary A, **Windhager R**, Gattenloehner S, Liegl B: Does insulin-like growth factor 1 receptor (IGF-1R) targeting provide new treatment options for chordomas? A retrospective clinical and

immunohistochemical study. *Histopathology*. Epub Feb 28. May;60(6):999-1003, 2012 **(3.082)**

10. **Schinhan M**, Gruber M, Vavken P, Dorotka R, Samouh L, **Chiari C**, Gruebl-Barabas R, Nehrer S: Critical-size defect induces unicompartamental osteoarthritis in a stable ovine knee. *J Orthop Res*. Epub Aug 4. 2011. Feb;30(2):214-20, 2012 **(2.811)**
11. **Stelzener D**, Kovacs BK, Goed S, Welsch GH, Hirschfeld C, Paternostro-Sluga T, Friedrich KM, Mamisch TC, Trattnig S: Effect of short-term unloading on T2 relaxation time in the lumbar intervertebral disc – in vivo magnetic resonance imaging study at 3.0 tesla. *Spine J*. Mar; 12(3):257-64, 2012 **(3.290)**
12. **Stelzener D**, Mamisch TC, Kress I, **Domayer SE**, Werlen S, Bixby SD, Millis MB, Kim YJ: Patterns of joint damage seen on MRI in early hip osteoarthritis due to structural hip deformities. *Osteoarthritis Cartilage*. Epub 30 Mar 2012. Jul;20(7):661-9, 2012 **(3.904)**
13. Stummer S, **Toegel S**, Rabenreither M-C, Unger FM, Wirth M, Viernstein H, Salar-Behzadi S: Fluidized-bed drying as a feasible method for dehydration of *Enterococcus faecium* M74. *J Food Eng*. 111(1):156-165, 2012 **(2.414)**
14. Thomassen BJW, Pilot P, Scholtes VAB, **Grohs JG**, Holen K, Bisbe E, Poolman RW: Limit Allogeneic blood use with routine re-use of patient's own blood: A prospective, randomized, controlled trial in total hip surgery. *PLoS One*. 7(9):e44503, 2012 **(4.092)**
15. Zbyn S, **Stelzener D**, Welsch GH, Negrin LL, Juras V, Mayerhoefer ME, Szomolanyi P, Gobner W, **Domayer SE**, Weber M, Trattnig S: Evaluation of native hyaline cartilage and repair tissue after two cartilage repair surgery techniques with ²³Na MR imaging at 7T: initial experience. *Osteoarthritis Cartilage*. Epub 28 Apr. Aug;20(8):837-45, 2012 **(3.904)**
16. Ziebarth K, **Domayer S**, Slongo T, Kim Y-J, Ganz R: Clinical stability of slipped capital femoral epiphysis does not correlate with intraoperative stability. *Clin Orthop Relat Res*. Epub Apr 10. Aug;470(8):2274-9 **(2.533)**

1) b) STANDARD

1. Al Kaissi A, Cespan R, **Hofstaetter JG**, Klaushofer K, Ganger R, Grill R: Fractures in connection with an atypical form of craniodiaphyseal dysplasia: case report of a boy and his mother. *Clinics*. 57(12):1505-1509, 2012 **(2.058)**
2. Apprich S, Mamisch TC, Welsch GH, **Stelzener D**, Albers C, Totzke U, Trattnig S: Quantitative T2 mapping of the patella at 3.0T is sensitive to early cartilage degeneration, but also to loading of the knee. *Eur J Radiol*. Apr; 8(4):e438-43, 2012 **(2.606)**

3. Figl M, Weber C, Assadian O, **Toma CD**, Traxler H, Seemann R, Guevara-Rojas G, Pöschl WP, Ewers R, Schicho K: Splint sterilisation – a potential registration hazard in computer-assisted surgery. *J Oral Maxillofac Surg*. Epub Aug 3 2011. Apr;70(4):966-971, 2012 **(1.640)**
4. Friesenbichler J, Maurer-Ertl W, Sadoghi P, Lovse T, **Windhager R**, Leithner A: Serum metal ion levels after rotating-hinge knee arthroplasty: comparison between a standard device and a megaprosthesis. *Int Orthop*. Epub Jul 14, 2011. Mar;36(3):539-44, 2012 **(2.025)**
5. Froehlich EV, Scheipl S, Lazary A, Varga PP, Schmid C, Stammberger H, Beham A, Bodo K, Schroettner H, Quehenberger F, **Windhager R**, Liegl B, Leithner A: Expression of Ezrin, Mmp-9 and Cox-2 in 50 Chordoma specimens: A clinical and immunohistochemical analysis. *Spine*. Epub Jan 5. Jun 1;37(13):E757-67, 2012 **(2.078)**
6. **Holinka J**, Pilz M, Hirschl AM, Graninger W, **Windhager R**, Presterl E: Differential bacterial load on components of total knee prosthesis in patients with prosthetic joint infection. *Int J Artif Organs*. Epub 11 Oct. Nov 20;35(10):735-41, 2012 **(1.861)**
7. **Holzer G**, Hamilton G, Angelberger P, Lai D, Ubl P, Dudczak R, **Dominkus M**, Li S: Imaging of highly malignant osteosarcoma with Iodine-123-vascular endothelial growth factor. *Oncology*. Jun 21;83(1):45-49, 2012 **(2.267)**
8. **Koller U**, Nehrer S, Vavken P, Kapeller B, **Windhager R**, **Chiari C**: Polyethylene terephthalate (PET) enhances chondrogenic differentiation of ovine meniscocytes in a hyaluronic acid/polycaprolactone scaffold in vitro. *Int. Orthop*. Epub 05 Apr 2012. Sep;36(9):1953-60, 2012 **(2.025)**
9. Kon E, Filardo G, Tschon M, Fini M, Giavaresi G, Marchesini G, Reggiani L, **Chiari C**, Nehrer S, Martin I, Salter D, Ambrosio L, Marcacci M: Tissue engineering for total meniscal substitution. Animal study in sheep model: results at 12 months. *Tissue Eng Part A*. Epub 13 Apr. Aug;18(15-16):1573-82, 2012 **(4.022)**
10. **Kubista B**, Hartzler RU, Wood CM, Osmon DR, Hanssen AD, Lewallen DG: Reinfection after two-stage revision for periprosthetic infection of total knee arthroplasty. *Int Orthop*. Epub 07 May, 2011. Jan;36(1):65-71, 2012 **(2.025)**
11. Lohberger B, Payer M, Rinner B, Bartmann C, Stadelmeyer E, Traunwieser E, Devaney T, Jakse N, Leithner A, **Windhager R**: Human intraoral harvested mesenchymal stem cells: Characterization, multilineage differentiation analysis, and 3-dimensional migration of natural bone mineral and tricalcium phosphate scaffolds. *J Oral Maxillofac Surg*. Epub 20 Sep 2011. Oct;70(10):2309-15, 2012 **(1.640)**
12. Maurer-Ertl W, Glehr M, Friesenbichler J, Sadoghi P, Wiedner M, Haas F, Leithner A, **Windhager R**, Zwick EB: No adverse affect after harvesting of

free fibula osteoseptocutaneous flaps on gait function. *Microsurgery*. Epub 31 Mar 2012. Jul;32(5):364-9, 2012 **(1.605)**

13. Nemeč U, Nemeč SF, Kasprian G, Brugger PC, Bettelheim D, Wadhawan I, **Kolb A**, Graham Jr. JM, Rimoin DL, Prayer D: Clubfeet and associated abnormalities on fetal magnetic resonance imaging. *Prenat Diagn*. Jun 8:1-7, 2012 **(2.106)**
14. Pabst M, Grass J, **Toegel S**, Liebminger E, Strasser R, Altmann F: Isomeric analysis of oligomannosidic N-glycans and their dolichol-linked precursors. *Glycobiology*. Epub 27 Oct 2011. Mar;22(3):389-99 2012 **(3.580)**
15. **Panotopoulos J**, Ay C, Trieb K, **Funovics PT**, **Stockhammer V**, Lang S, **Holinka J**, **Windhager R**, Pabinger I, **Wanivenhaus HA**: Surgical treatment of the haemophilic pseudotumour: A single centre experience. *Int. Orthop*. Epub 4 Jul 2012. Oct;36(10):2157-62, 2012 **(2.025)**
16. **Schuh R**, **Hofstaetter JG**, Krismer M, Bevoni R, **Windhager R**, Trnka HJ: Total ankle arthroplasty versus ankle arthrodesis. Comparison of sports, recreational activities and functional outcome. *Int Orthop*. Epub Dec 16, 2011. Jun;36(6):1207-14, 2012 **(2.025)**
17. **Schuh R**, Neumann D, Rauf R, **Hofstaetter JG**, Boehler N, Labek G: Revision rate of Birmingham hip resurfacing arthroplasty: comparison of published literature and arthroplasty register data. *Int Orthop*. Epub 22 Feb 2012. Jul;36(7):1349-54, 2012 **(2.025)**
18. **Stelzener D**, Welsch GH, Kovacs BK, Goed S, Paternostro-Sluga T, Vlychou M, Friedrich K, Mamisch TC, Trattnig S: Quantitative T2 evaluation at 3.0T compared to morphological grading of the lumbar intervertebral disc: A standardized evaluation approach in patients with low back pain. *Eur J Radiol*. Feb; 81(2):324-30, 2012 **(2.606)**
19. **Stihsen C**, Radl R, Keshmiri A, Rehak P, **Windhager R**: Subsidence of a cementless femoral component influenced by body weight and body mass index. *Int Orthop*. Epub 04 Nov 2011. May;36(5):941-7, 2012 **(2.025)**
20. **Toegel S**, Wu SQ, Otero M, Goldring MB, Leelapornpisid P, **Chiari C**, **Kolb A**, Unger FM, **Windhager R**, Viernstein H: Caesalpinia sappan extract inhibits IL 1 β -mediated overexpression of matrix metalloproteinases in human chondrocytes. *Genes Nut*. Epub Aug 18 2011. Apr;7(2):307-18, 2012 **(2.507)**

SONSTIGE PUBLIKATIONEN UND SUBSTANDARD

Brix MO, **Chiari C**: Knorpelregeneration. *Z Orthop Unfall*. Epub 27 Aug. Aug;150(4):e121-42, 2012 **(0.522)**

Brodowicz T, Amann G, Leithner A, Sztankay A, Kainberger F, Eisterer W, Liegl-Atzwanger B, Rachbauer F, Rath T, Bergmann M, **Funovics PT**, Ploner F, **Windhager R**: Konsensus Diagnose und Therapie von Weichteilsarkomen.

[Consensus diagnosis and therapy of soft tissue sarcoma] Wien Klin Wochenschr. Epub 28 Oct 2011. 124:85-99, 2012 (0.809)

Chiari C: Frauen in der Orthopädie. Eine Karriere an der Universitätsklinik. Jatro Orthopädie & Rheumatologie 2:44-45, 2012

Chiari C: ÖGO-Symposium „Arthrose“. . Jatro Orthopädie & Rheumatologie 4:56-58, 2012

Chiari C: Masterthese Donau-Universität Krems, Studienlehrgang Advanced Orthopaedic Surgery: Langzeitergebnisse der Chiari Beckenosteotomie.

Expertengruppe und das Arznei & Vernunft-Team (**Windhager R**): Initiative Arznei & Vernunft. Rheumatoide Arthritis (Chronische Polyarthrit). 1. Auflage, Februar 2012

Giurea A: Kolumne in: Sport in Wien, Echo Verlag

Giurea A: Kolumne in: Running, Echo Verlag

Hauser-Schinhan M: Mit Ausdauer zur Orthopädie-Fachärztin. Interview. MedUnique – das neue MitarbeiterInnen-Magazin der MedUni Wien. 4:10-11, 2012

Hofstaetter JG, Blouin S, Friehs I, Klaushofer K, Roschger P: No effect of short-term hypertension on bone matrix mineralization in a surgical animal model in immature rabbits. Clin Exp Hypertens. Epub Oct 3, 2011. 34(2):107-12, 2012 (1.074)

Hofstaetter SG, **Schuh R**, Trieb K, Trnka HJ: Modifizierte Chevron-Osteotomie mit lateralem Release und Schraubenfixation zur Behandlung der schweren Hallux-valgus-Deformität. [Modified chevron osteotomy with lateral release and screw fixation for treatment of severe hallux deformity]. Z Orthop Unfall. Dec;150(6):594-600, 2012 (0.522)

Holinka J: Morbus Dupuytren: ein Fallbericht. . Jatro Orthopädie & Rheumatologie 3:60-61, 2012

Lang S, **Windhager R**: Schnellschnittdiagnostik in der Osteopathologie. [Frozen section diagnostics in osteopathology]. Pathologe. Epub 16 Aug. Sep;33(5):450-2, 2012 (0.699)

Lunzer A: Die junge Wirbelsäule bei Arbeit, Sport und Freizeit. 13. Symposium der Austrian Spine Society. . Jatro Orthopädie & Rheumatologie 3:64-65, 2012

Lunzer A: Bewegung, Sport & Sex: Belastungen für die Wirbelsäule des jungen Patienten. DAM Die Allgemeinmediziner. 1. Mai, 2012

Lunzer A: Wenn chronische Lumbalgien die Sexualität beeinträchtigen. Ärzte Woche. 16, 2012

Sabeti-Aschraf M: Behandlungsalgorithmus bei Schulterimpingement. . Jatro Orthopädie & Rheumatologie 3:18-21, 2012

Sabeti-Aschraf M: Editorial Arthroskopie. Jatro Orthopädie & Rheumatologie 5:3, 2012

Schinhan M, Funovics P, Dominkus M, Windhager R: [Growing prostheses for reconstruction of lower limb defects in children]. Oper Orthop Traumatol. Epub 4 Jul 2012. Jul;24(3):235-46, 2012 (0.459)

Schueller-Weidekamm C, **von Skrbensky G**: Bildgebung postarthroskopischer Komplikationen nach Knieverletzungen. [Imaging of postarthroscopic complications after knee injuries]. Radiologe. Nov;(11):1012-22, 2012 **(0.611)**

Toegel S: Ein Faktor für schmerzhafte Gelenksentzündung entdeckt. Rubrik 'Top Story', website of the Medical University of Vienna. 4.12.2012

Toegel S: Printed interview with Medscape Germany on the 'Glycobiology of Arthritis'. 14.12.2012

Trattinig S, Welsch G, **Domayer S**, Apprich S: MR imaging of postoperative talar dome lesions. Semin Musculoskelet Radiol. Epub 31 Jul. Jul;16(3):177-84, 2012 **(0.932)**

Wanivenhaus A: Ganzheitliche Behandlung des Rheumapatienten. . Jatro Orthopädie & Rheumatologie 1:12-14, 2012

Wanivenhaus A: Rheumatherapieferienlager – Idee, Projekt und Ergebnisse. J Mineralstoffw. 19:14-15, 2012

Wanivenhaus A, Holinka J: Perioperative management of infections of endoprosthesis in rheumatoid arthritis patients. Aktuelle Rheumatologie. 37(1):39-45, 2012

Weltermann A, Brodmann M, Domanovits H, Eber B, Gottsauner-Wolf M, Halbmayer WM, Hiesmayr JM, Kyrle PA, Längle F, Roithinger FX, Watzke H, **Windhager R**, Wolf C, Zweiker R: Dabigatran bei Patienten mit Vorhofflimmern: Management bei invasiven Eingriffen. [Dabigatran in patients with atrial fibrillation: perioperative and periinterventional management]. Wien Klin Wochenschr. Epub 11 May 2012. May;124(9-10):340-347, 2012 **(0.809)**

Windhager R: Wichtige Schritte. In der Orthopädie an der MedUni Wien ist derzeit einiges in Bewegung. MedUnique – Das neue MitarbeiterInnen-Magazin der MedUni Wien. 4:12, 2012

Zacherl M, Kastner N, Glehr M, Scheipl S, Schwantzer G, Koch H, Leithner A, **Windhager R**: Influence of prereferral surgery in soft tissue sarcoma: 10 years' experience in a single institution. Orthopedics. Aug1;35(8):e1214-20, 2012 **(0.903)**