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Publikationsliste

Is cemented revision total hip arthroplasty a reasonable treatment option in an elderly population? Born P, Manzoni I, **Ilchmann T**, Clauss M. Orthop Rev (Pavia). 2019; in print

CORR Insights(®): Tilt-adjusted Cup Anteversion in Patients with Severe Backward Pelvic Tilt is Associated with the Risk of Iliopsoas Impingement: A Three-dimensional Implantation Simulation. **Ilchmann T**. Clin Orthop Relat Res. 2019 Jul;477:2255-2257.

Five-year prospective subsidence analysis of 100 cemented polished straight stems: A concise clinical and radiological follow-up observation. Orthop Rev (Pavia) 2019; 11(2): 7984. Madörin K, Siepen W, Manzoni I, Stoffel KK, **Ilchmann T**, Clauss M. Orthop Rev (Pavia). 2019 May 23;11(2):7984.

Braucht es neue Implantate?. **Ilchmann, T**. Leading Opinions Orthopädie 2018(4):42-45.

Midterm results of revision total hip arthroplasty with an uncemented modular femoral component. Rieger B, **Ilchmann T**, Bolliger L, Stoffel KK, Zwicky L, Clauss M. Hip Int. 2018 Jan;28(1):84-89.

Hüftendoprothetik bei jüngeren Patienten. **Ilchmann, T**. Leading Opinions Orthopädie 2017(03):48-51.

Excellent long-term results of the Müller acetabular reinforcement ring in primary cup revision. Mueller Greber P, Manzoni I, Ochsner PE, **Ilchmann T**, Zwicky L, Clauss M. Acta Orthop. 2017 Dec;88(6):619-626.

CORR Insights(®): What is the Accuracy of Nuclear Imaging in the Assessment of Periprosthetic Knee Infection? A Meta-analysis. **Ilchmann T**. Clin Orthop Relat Res. 2017 May;475(5):1411-3.

Rivaroxaban for Thromboprophylaxis After Nonelective Orthopedic Trauma Surgery in Switzerland. Hoffmeyer P, Simmen H, Jakob M, Sommer C, Platz A, **Ilchmann T**, Grossen E, Ryf C, Christofilopoulos P, Schueler M, Lassen MR, Rimle M, Gasser UE. Orthopedics. 2016 Nov 22:1-8.

Risk of infection in primary, elective total hip arthroplasty with direct anterior approach or lateral transgluteal approach: a prospective cohort study of 1104 hips. **Ilchmann T**, Zimmerli W, Bolliger L, Graber P, Clauss M. BMC Musculoskelet Disord. 2016 Nov 14;17(1):471.

Eradication of infection, survival, and radiological results of uncemented revision stems in infected total hip arthroplasties.

Born P, **Ilchmann T**, Zimmerli W, Zwicky L, Graber P, Ochsner PE, Clauss M. Acta Orthop. 2016 Dec;87(6):637-643.

Prospective two-year subsidence analysis of 100 cemented polished straight stems - a short-term clinical and radiological observation.

Siepen W, Zwicky L, Stoffel KK, **Ilchmann T**, Clauss M. BMC Musculoskelet Disord. 2016 Sep 17;17(1):395.

Similar effect of stem geometry on radiological changes with 2 types of cemented straight stem: The Müller stem and the Virtec stem compared in 711 hips.

Clauss M, Bolliger L, Brandenberger D, Ochsner PE, **Ilchmann T**. Acta Orthop. 2016;87(2):120-5

Excellent long-term results of the Müller acetabular reinforcement ring in primary total hip arthroplasty: A prospective study on radiology and survival of 321 hips with a mean follow-up of 11 years. Sirka A, Clauss M, Tarasevicius S, Wingstrand H, Stucinskas J, Robertsson O, Ochsner PE, **Ilchmann T**.

Acta Orthop. 2016;87(2):100-5.

One-stage revision of infected hip arthroplasty: outcome of 39 consecutive hips.

Ilchmann T, Zimmerli W, Ochsner PE, Kessler B, Zwicky L, Graber P, Clauss M. Int Orthop. 2016 May;40(5):913-8.

CORR Insights(®): Does Preoperative Antimicrobial Prophylaxis Influence the Diagnostic Potential of Periprosthetic Tissues in Hip or Knee Infections?

Ilchmann T. Clin Orthop Relat Res. 2016 Jan;474(1):265-6.

Metal backed fixed-bearing unicondylar knee arthroplasties using minimal invasive surgery: a promising outcome analysis of 132 cases.

Baur J, Zwicky L, Hirschmann MT, **Ilchmann T**, Clauss M. BMC Musculoskelet Disord. 2015 Jul 31;16:177.

Früharthrose des Hüftgelenkes. **Ilchmann T**. Leading Opinions Orthopädie. 2015(4).

Staphylococcal biofilm formation on the surface of three different calcium phosphate bone grafts: a qualitative and quantitative in vivo analysis. Furustrand Tabin U,

Betrissey B, Bohner M, **Ilchmann T**, Trampuz A, Clauss M.

Journal of materials science Materials in medicine. 2015;26(3):5467.

Approaches for primary total hip replacement. **Ilchmann T**.

Hip Int. 2014 Jun 3;24(Suppl 10).

Influence of physico-chemical material characteristics on staphylococcal biofilm formation--a qualitative and quantitative in vitro analysis of five different calcium

phosphate bone grafts. Clauss M, Furustrand Tabin U, Betrissey B, van Garderen N, Trampuz A, **Ilchmann T**, Bohner M. Eur Cell Mater. 2014 Jul 18;28:39-49.

Long-term survival and radiological results of the Duracon™ total knee arthroplasty.

Bachmann M, Bolliger L, **Ilchmann T**, Clauss M. Int Orthop. 2014 Apr;38(4):747-52.

Poor outcome of a spherical pressfit cup with a modern ceramic liner: a prospective cohort study of 181 cups. **Ilchmann T**, Zwicky L, Gersbach S, Clauss M. Hip Int. 2014 Feb 14:0.

Dynamics of femoral bone remodelling in well fixed total hip arthroplasty. A 20-year follow-up of 20 hips. Stucinskas J, Clauss M, Tarasevicius S, Wingstrand H, **Ilchmann T**. Hip Int. 2014;24(2):149-54.

Unklare Knieschmerzen nach Knie-Totalprothese bei einem Patienten mit chronischer Polyarthritits. Moser A, **Ilchmann T**, Mendelin R, Clauss M. Praxis (Bern 1994). 2014 Jan 1;103(3):161-4

Standard Transgluteal versus Minimal Invasive Anterior Approach in hip Arthroplasty: A Prospective, Consecutive Cohort Study. **Ilchmann T**, Gersbach S, Zwicky L, Clauss M. Orthop Rev (Pavia). 2013 Nov 6;5(4).

Risk factors for aseptic loosening of Müller-type straight stems: a registry-based analysis of 828 consecutive cases with a minimum follow-up of 16 years. Clauss M, Gersbach S, Butscher A, **Ilchmann T**. Acta Orthop. 2013 Aug;84(4):353-9.

Material and biofilm load of K wires in toe surgery: titanium versus stainless steel. Clauss M, Graf S, Gersbach S, Hintermann B, **Ilchmann T**, Knupp M. Clin Orthop Relat Res. 2013 Jul;471(7):2312-7.

Biofilm formation by staphylococci on fresh, fresh-frozen and processed human and bovine bone grafts. Clauss M, Tabin UF, Bizzini A, Trampuz A, **Ilchmann T**. Eur Cell Mater. 2013 Jan 30;25:159-66.

Acetabular polyethylene wear volume after hip replacement: Reliability of volume calculations from plain radiographs. **Ilchmann T**, Lüem M, Pannhorst S, Clauss M. Wear. 2012 282– 283: 69– 75.

An unexpected case of lower left-side abdominal pain. Acute reactivation of chronic osteomyelitis. Heim U, Clauss M, Graber P, **Ilchmann T**. Praxis (Bern 1994). 2012 Apr 25;101(9):603-7.

Long-term femoral bone remodeling after cemented hip arthroplasty with the Müller straight stem in the operated and nonoperated femora. Stucinskas J, Clauss M, Tarasevicius S, Wingstrand H, **Ilchmann T**. J Arthroplasty. 2012 Jun;27(6):927-33.

SGTV – Wo stehen wir heute? **Ilchmann T**, Keel MJB. Sonderheft 100 Jahre SGTV. Swiss Knife 2012.

SGTV – Ein Blick in die Zukunft? **Ilchmann T**, Keel MJB. Sonderheft 100 Jahre SGTV. Swiss Knife 2012.

Influence of leg length discrepancy on clinical results after total hip arthroplasty--a prospective clinical trial. Plaass C, Clauss M, Ochsner PE, **Ilchmann T**. Hip Int. 2011 Jul-Aug;21(4):441-9.

Infectiological, functional, and radiographic outcome after revision for prosthetic hip infection according to a strict algorithm. De Man FH, Sendi P, Zimmerli W, Ochsner PE, **Ilchmann T**. Acta Orthop. 2011 Feb;82(1):27-34.

Schwangerschaftsassozierte Osteoporose. Eine häufig verkannte Differentialdiagnose des „banalen“ muskulo-skeletalen Schmerzes in der Schwangerschaft und Stillzeit. Heim U, Clauss M, Bürki N, Lutz T, **Ilchmann T**. Orthopaede. 2010 Nov;39(11):1051-6.

The histology of the “French Paradox.” A post-mortem analysis on eight well-fixed cemented Müller straight stems with a median follow-up of 12.5 years. Clauss M, **Ilchmann T**, Zimmermann P, Ochsner PE. J Bone Joint Surg Br. 2010 Nov;92(11):1515-21.

Migrationsanalyse von HTP-Komponenten. **Ilchmann T**. Leading Opinions Orthopädie. 2010(2):10-1.

Fixation and loosening of the cemented Muller straight stem: a long-term clinical and radiological review. Clauss M, Luem M, Ochsner PE, **Ilchmann T**. J Bone Joint Surg Br. 2009 Sep;91(9):1158-63.

Classification of acetabular changes in osteoarthritis: a histological and radiological analysis of 122 consecutive drill biopsies routinely taken during THA. Clauss M, **Ilchmann T**, Zimmermann P, Schaefroth MU, Lüem M, Ochsner PE. Surg Radiol Anat. 2008 Oct;30(7):547-56.

Biofilm formation on bone grafts and bone graft substitutes: comparison of different materials by a standard in vitro test and microcalorimetry. Clauss M, Trampuz A, Borens O, Bohner M, **Ilchmann T**. Acta Biomater. 2010 Sep;6(9):3791-7.

Estimation of the wear volume after total hip replacement. A simple access to geometrical concepts. **Ilchmann T**, Reimold M, Müller-Schauenburg W. Med Eng Phys. 2008 Apr;30(3):373-9.

Cross pinning of supracondylar fractures from a lateral approach. Stabilization achieved with safety. Eberhardt O, Fernandez F, **Ilchmann T**, Parsch K. J Child Orthop. 2007 Jul;1(2):127-33.

EBRA migration patterns of the Plasmacup with ceramic or polyethylene inserts: a randomised study. Ochs U, **Ilchmann T**, Ochs BG, Marx J, Brunnhuber K, Lüem M, Weise K. Z Orthop Unfall. 2007 Sep-Oct;145 Suppl 1:S20-4.

The M.E Müller straight stem prosthesis: 15 year follow-up. Survivorship and clinical results. Riede U, Lüem M, **Ilchmann T**, Eucker M, Ochsner PE. Arch Orthop Trauma Surg. 2007 Sep;127(7):587-92.

Corrective osteotomy of post-traumatic malunions and pseudarthroses in the femur using a fork plate: a prospective analysis of 23 consecutive cases. Clauss M, **Ilchmann T**, Zimmermann P, Ochsner PE. Unfallchirurg. 2007 Mar;110(3):205-12.

Modes of failure of a threaded acetabular cup : a radiographic study with EBRA of 42 revised cups. **Ilchmann T**, Neher S, Maurer F, Weise K. Int Orthop. 2007 Apr;31(2):211-6.

Femoral subsidence assessment after hip replacement. An experimental study comparing standard measurements with EBRA-FCA. **Ilchmann T**, Eingartner C, Heger K, Weise K. Upsala J Med Sci 2006; 111(3):361-369.

Complications at pin extraction after fixation of slipped capital femoral epiphysis. **Ilchmann T**, Parsch K. Arch Orthop Trauma Surg 2006; 126(6): 359-63.

Radiological behaviour of Acetabular reconstruction with the Schneider-Burch Ring. An EBRA analysis of 40 cup revisions. **Ilchmann T**, Gelzer P, Winter E, Weise K. Acta Orthop Scand 2006; 77(1):79-86.

Subsidence pattern of a cementless straight titanium alloy femoral stem. A radiographic study with EBRA-FCA. Eingartner C, **Ilchmann T**, Dieter J, Weise K. Hip Int. 2005; 15-2:85-91.

Lockerungsmechanismen bei geschraubten Hüftgelenkspfannen. **Ilchmann T**, Neher S, Eingartner C, Weise K. Orthop Praxis 2003; 39-1:49-51.

Polyethylene wear in prosthetic hips with loose components. Kesteris U, Hardinge K, **Ilchmann T**, Wingstrand H. J Arthroplasty 2003; 18(1):10-5.

The musculocutaneous sural artery flap for soft tissue coverage after calcaneal fracture. Müller JE, **Ilchmann T**, Lowatscheff T. Arch Orthop Trauma Surg. 2001; 121(6):350-2.

Socket wear in bilateral simultaneous total hip arthroplasty. Joshi A, **Ilchmann T**, Markovic L. J Arthroplasty 2001; 16(1):117-20.

The repeatability of EBRA in migration and wear analysis. **Ilchmann T**. Hip Int. 1999; 9: 63-6.

Polyethylene wear and calcar osteolysis. Joshi AB, Markovic L, **Ilchmann T**. Am J Orthop 1999;28(1):45-8.

Effect of pelvic tilt on radiographic migration and wear measurements after total hip arthroplasty. **Ilchmann T**, Kesteris U, Wingstrand H. Hip Int. 1998; 8-1: 16-23.

EBRA improves the accuracy of radiographic analysis of acetabular cup migration. **Ilchmann T**, Kesteris U, Wingstrand H. Acta Orthop Scand 1998; 69:119-24.

Migration and wear of long term successful Charnley total hip replacements. **Ilchmann T**, Markovic L, Joshi A, Hardinge K, Murphy J, Wingstrand H. J Bone Joint Surg (Br) 1998; 80-3:377-81.

Non operative treatment versus tension band osteosynthesis in three and four-part proximal humeral fractures. **Ilchmann T**, Ochsner PE, Wingstrand H, Jonsson J. Int Orthop.1998; 22: 316-20.

Radiographic assessment of cup migration and wear after hip replacement. Thesis. **Ilchmann T**. Acta Orthop Scand 1997; Suppl. 276.

Polyethylene wear in Scanhip[®] arthroplasty with a 22 or 32 mm head. Kesteris U, **Ilchmann T**, Wingstrand H, Önerfält R. Acta Orthop Scand 1996; 67:125-7.

Measurement accuracy in acetabular cup wear. Three retrospective methods compared with roentgen stereophotogrammetry. **Ilchmann T**, Mjöberg B, Wingstrand H. J Arthroplasty 1995; 10:636-42.

Accuracy of the Nunn method in measuring acetabular cup migration. **Ilchmann T**, Freeman MAR, Mjöberg B. Upsala J Med Sci. 1992; 97: 67-8.

Measurement accuracy in acetabular cup migration. A comparison of four radiologic methods versus roentgen stereophotogrammetric analysis. **Ilchmann T**, Franzén H, Mjöberg B, Wingstrand H. J Arthroplasty 1992; 7: 121-7.

Zuggurtungsosteosynthesen mit resorbierbaren Kordeln bei proximalen Humerusmehrfragmentbrüchen. Ochsner P.E, **Ilchmann T**. Unfallchirurg 1991; 94: 588-90.

Buchbeiträge

Bone grafts and infected bone graft substitutes in infected arthroplasty. In: Infected Joint Arthroplasty. The algorithmic approach. Rihard Trebse (Hrsg.). Clauss M, **Ilchmann T**. 2013 Springer 291-6.

Pressfit Cup Migration Patterns of Ceramic-Ceramic or Ceramic-Polyethylene Articulation: A Prospective Randomised EBRA Study with Plasmacup. In: The Bicontact Hip Arthroplasty System 1997 – 2007. Weller et al (Hrsg.). Ochs U, **Ilchmann T**, Ochs BG, Marx J, Brunnhuber K, Lüem M, Weise K. 2008, Thieme, Stuttgart: 81 – 86.

Pfannenwanderung bei Schraubpfannen. In: Die Schraubpfannen. Effenberger (Hsg.). **Ilchmann T**. 2004; MCU, Linz: 139-42.

Migration of cups with PE-liners and ceramic liners: a clinical study with PLASMACUP. In: Bioceramics in joint arthroplasty: Proceedings 7th international BIOLOX symposium March 2002. Garino J, Willmann G (Hrsg.). **Ilchmann T**, Marx J, Winter E. Thieme Stuttgart, New York: 86-88.

A modular system for cemented and cementless implantation of femoral stem prostheses. In: Surgical technology international VII; Orthopedic Surgery. Szabó Z, Lewis JE, Fantini GA, Savalgi RS (Hrsg.). Eingartner C, Volkmann R, **Ilchmann T**, Weise K, Weller S. 1998; New Haven, Connecticut: 353-60.

Die Adaptiva-Individual-Prothese. Klinische Frühergebnisse mit einer angepaßten zementfreien Femurschaftprothese. In: Praktische Orthopädie 1997, Rheumatologie-Endoprothetik. Küßwetter W, **Ilchmann T**, Janssen P, Kirschbaum S. Thieme, Stuttgart, New York: 15-24.