



OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG

MED

MEDIZINISCHE
FAKULTÄT

Publikationsbericht 2020

Orthopädische Universitätsklinik

ORTHOPÄDISCHE UNIVERSITÄTSKLINIK

Leipziger Str. 44, 39120 Magdeburg
Tel. 49 (0)391 67 14067, Fax 49 (0)391 67 14006
friedemann.awiszus@med.ovgu.de

1. LEITUNG

Prof. Dr. med. C. Lohmann

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Amrhein, Jan; Drynda, Susanne; Schlatt, Lukas; Karst, Uwe; Lohmann, Christoph H.; Ciarimboli, Giuliano; Bertrand, Jessica

Tofacitinib and Baricitinib are taken up by different uptake mechanisms determining the efficacy of both drugs in RA

International journal of molecular sciences - Basel: Molecular Diversity Preservation International, 2000, Vol. 21.2020, 18, Art.-Nr. 6632, insgesamt 13 Seiten;

[Imp.fact.: 4.556]

Bertrand, Jessica; Kräft, Tabea; Gronau, Tobias; Sherwood, Joanna; Rutsch, Frank; Lioté, Frédéric; Dell'Accio, Francisco; Lohmann, Christoph H.; Bollmann, Miriam; Held, Annelena; Pap, Thomas

BCP crystals promote chondrocyte hypertrophic differentiation in OA cartilage by sequestering Wnt3a

Annals of the rheumatic diseases - London: BMJ Publ. Group, 1939, Bd. 79.2020, 7, S. 975-984;

[Imp.fact.: 16.102]

Bollmann, Miriam; Pinno, Karsten; Ehnold, Laura-Isabell; Märtens, Nicole; Märtson, Aare; Pap, Thomas; Stärke, Christian; Lohmann, Christoph H.; Bertrand, Jessica

MMP-9 mediated Syndecan-4 shedding correlates with osteoarthritis severity

Osteoarthritis and cartilage - [S.I.]: Elsevier, Bd. 28.2020

[Imp.fact.: 4.793]

Bui, Viet D.; Mwangi, James Wamai; Meinshausen, Ann-Kathrin; Mueller, Andreas J.; Bertrand, Jessica; Schubert, Andreas

Antibacterial coating of Ti-6Al-4V surfaces using silver nano-powder mixed electrical discharge machining

Surface and coatings technology - Amsterdam [u.a.]: Elsevier Science, Bd.383.2020, Art.-Nr. 125254;

[Imp.fact.: 3.192]

Crackau, Maria; Harnisch, Karsten; Baiert, Toni; Rosemann, Paul; Lohmann, Christoph H.; Bertrand, Jessica; Halle, Thorsten

Microstructure and surface investigations of TiAl6V4 and CoCr28Mo6 orthopaedic femoral stems

IOP conference series / Materials science and engineering/ Institute of Physics - London [u.a.]: Institute of Physics, 2009, Vol. 882.2020, Paper 012004, insgesamt 16 Seiten;

[Symposium: Symposium on Materials and Joining Technology, Magdeburg, Germany, 7-8 September 2020]

Crackau, Maria; Märtens, Nicole; Harnisch, Karsten; Berth, Alexander; Döring, Joachim; Lohmann, Christoph H.; Halle, Thorsten; Bertrand, Jessica

In vivo corrosion and damages in modular shoulder prostheses

Journal of biomedical materials research / B: an official journal of the Society for Biomaterials, the Japanese Society for Biomaterials; the Australian Society for Biomaterials [u.a.]- Hoboken, NJ: Wiley, 1996, Bd. 108.2020,

5, S. 1764-1778;

[Imp.fact.: 2.831]

Godmann, Lars J.; Bollmann, Miriam; Korb-Pap, Adelheid; König, Ulrich; Sherwood, Joanna; Beckmann, Denise; Mühlenberg, Katja; Echtermeyer, Frank; Whiteford, James; De Rossi, Giulia; Pap, Thomas; Bertrand, Jessica

Antibody-mediated inhibition of syndecan-4 dimerisation reduces interleukin (IL)-1 receptor trafficking and signalling

Annals of the rheumatic diseases - London: BMJ Publ. Group, 1939, Bd. 79.2020, 4, S. 481-489;

[Imp.fact.: 14.299]

Hameister, Rita; Kaur, Charanjit; Dheen, Shaikali Thameem; Lohmann, Christoph H.; Singh, Gurpal

Reactive oxygen/nitrogen species (ROS/RNS) and oxidative stress in arthroplasty

Journal of biomedical materials research / B: an official journal of the Society for Biomaterials, the Japanese Society for Biomaterials; the Australian Society for Biomaterials [u.a.] - Hoboken, NJ: Wiley, 1996, Bd. 108.2020, 5, S. 2073-2087;

[Imp.fact.: 2.831]

Hameister, Rita; Lohmann, Christoph H.; Dheen, S. Thameem; Singh, Gurpal; Kaur, Charanjit

Bone biology in postnatal Wistar rats following hypoxia-reoxygenation

Histology and histopathology: cellular and molecular biology - Murcia: Jiménez-Godoy, S.A, Bd. 35.2020, 1, S. 111-124;

[Imp.fact.: 1.777]

Hameister, Rita; Lohmann, Christoph H.; Dheen, S. Thameem; Singh, Gurpal; Kaur, Charanjit

The effect of TNF- α on osteoblasts in metal wear-induced periprosthetic bone loss

Bone & joint research - London: British Editorial Soc. of Bone & Joint Surgery, 2012, Bd. 9.2020, 11, S. 827-839;

[Imp.fact.: 3.532]

Herbster, Maria; Berth, Alexander; Märten, Nicole; Robra, Marcel; Welzel, Florian; Dallmann, Frank; Lohmann, Christoph H.; Halle, Thorsten; Bertrand, Jessica; Döring, Joachim

Intraoperative assembly of anatomical shoulder prosthesis frequently results in malalignment of the modular taper junction

Journal of orthopaedic research: a journal of musculoskeletal investigations ; official publication of the Orthopaedic Research Society - Hoboken, NJ [u.a.]: Wiley . - 2020, insges. 12 S.;

[Imp.fact.: 2.728]

Herbster, Maria; Döring, Joachim; Nohava, Jiri; Lohmann, Christoph H.; Halle, Thorsten; Bertrand, Jessica

Retrieval study of commercially available knee implant coatings TiN, TiNbN and ZrN on TiAl6V4 and CoCr28Mo6

Journal of the mechanical behavior of biomedical materials - Amsterdam [u.a.]: Elsevier, Vol. 112.2020, Art.-Nr. 104034;

[Imp.fact.: 3.372]

Koks, Sulev; Wood, David; Reimann, Ene; Awiszus, Friedemann; Lohmann, Christoph H.; Bertrand, Jessica; Prans, Ele; Maasalu, Katre; Märton, Aare

The genetic variations associated with time to aseptic loosening after total joint arthroplasty

The journal of arthroplasty: official journal of the American Association of Hip and Knee Surgeons - Orlando, Fla.: Churchill Livingstone, 1986, Bd. 35.2020, 4, S. 981-988;

[Imp.fact.: 3.524]

Kopf, Sebastian; Sava, Manuel-Paul; Stärke, Christian; Becker, Roland

The menisci and articular cartilage - a life-long fascination

EFORT open reviews : the official journal of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT) - London : The British Editorial Society of Bone & Joint Surgery, Bd. 5.2020, 10, S. 652-662

[Imp.fact.: 2.295]

Lotz, Ethan M.; Lohmann, Christoph H.; Boyan, Barbara D.; Schwartz, Zvi

Bisphosphonates inhibit surface-mediated osteogenesis

Journal of biomedical materials research / A - New York, NY [u.a.]: Wiley, 1996, Bd. 108.2020, 8, S. 1774-1786; [Imp.fact.: 3.525]

Lucas, Benjamin; Mathieu, Sophie-Cecil; Pliske, Gerald; Schirrmeister, Wiebke; Kulla, Martin; Walcher, Felix

The impact of a qualified medical documentation assistant on trauma room management

European journal of trauma and emergency surgery : official publication of the European Trauma Society - Heidelberg : Springer Medizin, Bd. 46.2020, insges. 8 S. [Imp.fact.: 2.139]

Nasi, Sonia; Ehirchiou, Driss; Chatzianastasiou, Athanasia; Nagahara, Noriyuki; Papapetropoulos, Andreas; Bertrand, Jessica; Cirino, Giuseppe; So, Alexander; Busso, Nathalie

The protective role of the 3-mercaptopyruvate sulfurtransferase (3-MST)-hydrogen sulfide (H₂S) pathway against experimental osteoarthritis

Arthritis Research & Therapy - London: BioMed Central, 1999, Bd.22.2020, Art.-Nr. 49, insgesamt 12 Seiten; [Imp.fact.: 4.148]

Rimke, Christina; Enz, Andreas Eugen; Bail, Hermann Josef; Heppt, Peter; Kladny, Bernd; Lewinski, Gabriela; Lohmann, Christoph H.; Osmanski-Zenk, Katrin; Haas, Holger; Mittelmeier, Wolfram

Evaluation of the standard procedure for the treatment of periprosthetic joint infections (PJI) in Germany - results of a survey within the EndoCert initiative

BMC musculoskeletal disorders - London: BioMed Central, 2000, Vol. 21.2020, Art.-Nr. 694, insgesamt 8 Seiten; [Imp.fact.: 1.879]

Sanchez, Christelle; Lambert, Cécile; Dubuc, Jean-Emile; Bertrand, Jessica; Pap, Thomas; Henrotin, Yves

Syndecan-4 is increased in osteoarthritic knee, but not hip or shoulder, articular hypertrophic chondrocytes

Cartilage - London: Sage, Bd. 11.2020, insges. 10 S., 2019; [Imp.fact.: 2.961]

Skowronek, Pawe; Arnold, Markus Paul; Stärke, Christian; Bartyzel, Agnieszka; Moser, Lukas B.; Hirschmann, Michael T.

Intra- and postoperative assessment of femoral component rotation in total knee arthroplasty - an EKA knee expert group clinical review

Knee surgery, sports traumatology, arthroscopy: official journal of the European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) - Berlin: Springer, 1993, Bd. 28.2020, insges. 11 S.; [Imp.fact.: 3.149]

Stolberg-Stolberg, Josef; Sambale, Meike; Hansen, Uwe; Schäfer, Alexandra; Raschke, Michael; Bertrand, Jessica; Pap, Thomas; Sherwood, Joanna

Cartilage trauma induces necroptotic chondrocyte death and expulsion of cellular contents

International journal of molecular sciences - Basel: Molecular Diversity Preservation International, 2000, Vol. 21.2020, 12, Art.-Nr. 4204, insgesamt 14 Seiten; [Imp.fact.: 4.556]

Sünn, Thomas; Illanes, Alfredo; Boese, Axel; Lohmann, Christoph H.; Pandey, Ajay; Friebe, Michael

Acoustic sensing of tissue-tool interactions - potential applications in arthroscopic surgery

Current directions in biomedical engineering - Berlin: De Gruyter, 2015, Bd. 6.2020, 3, 20203152, S. 595-598;

Thorup, Anne-Sophie; Strachan, Danielle; Caxaria, Sara; Poulet, Blandine; Thomas, Bethan L.; Eldridge, Suzanne E.; Nalesso, Giovanna; Whiteford, James R.; Pitzalis, Costantino; Aigner, Thomas; Corder, Roger; Bertrand, Jessica; Dell'Accio, Francesco

ROR2 blockade as a therapy for osteoarthritis

Science translational medicine: integrating medicine and science - Washington, DC: AAAS, 2009, Vol. 12.2020, 561, Art.-Nr. eaax3063; [Imp.fact.: 16.304]

Urbach, Dietmar; Awiszus, Friedemann; Leiß, Sven; Venton, Tamsin; Specht, Alexander Vincent; Apfelbacher, Christian

Associations of medications with lower odds of typical COVID-19 symptoms - cross-sectional symptom surveillance study

JMIR public health and surveillance - Toronto: JMIR Publications, 2015, Vol. 6.2020, 4, e22521, insgesamt 10 Seiten;

Vogel, Matthias; Frenzel, Lydia; Riediger, Christian; Haase, Matthias; Frommer, Jörg; Lohmann, Christoph H.; Illiger, Sebastian

The pain paradox of borderline personality and total knee arthroplasty (TKA) - recruiting borderline personality organization to predict the one-year postoperative outcome

Journal of pain research - Albany, Auckland: Dove Medical Press, 2008, Bd. 13.2020, S. 49-55; [Imp.fact.: 2.386]

Vogel, Matthias; Meyer, Frank; Frommer, Jörg; Walter, Martin; Lohmann, Christoph H.; Croner, Roland

Unwillingly traumatizing - is there a psycho-traumatologic pathway from general surgery to postoperative maladaptation?

Scandinavian journal of pain - Berlin: De Gruyter, 2009, Bd. 20.2020;

ABSTRACTS

Bollmann, Miriam; Brinkema, Hanno; Piatek, Stefan; Walcher, Felix; Alvarez, Mario; Eldridge, Suzanne; Dell'Accio, Francesco; Bertrand, Jessica

Short term il1ra treatment reduces post-traumatic OA in mouse in vivo and, in vitro, in human cartilage

Osteoarthritis and cartilage - [S.l.]: Elsevier, 1993, Vol. 28.2020, Suppl. 1, S. S490; [Imp.fact.: 4.793]

Meyer, Franziska; Bollmann, Miriam; Kornak, Uwe; Bertrand, Jessica

Chondrocalcinosis is associated with a specific effect on the chondrocyte phenotype that markedly differs from OA

Annals of the rheumatic diseases - London: BMJ Publ. Group, 1939, Vol. 79.2020, Suppl. 1, AB0067, S. 1334; [Imp.fact.: 16.102]

Nasi, Sonia; Bertrand, Jessica; Bollmann, Miriam; Stange, Richard; Pap, Thomas

Calcium pyrophosphate dihydrate (CPPD) crystals but not basic calcium phosphate (BCP) crystals induce syndecan-4 expression in cartilage

Annals of the rheumatic diseases - London: BMJ Publ. Group, 1939, Vol. 79.2020, Suppl. 1, THU0435, S. 454-455; [Imp.fact.: 16.102]

Stolberg-Stolberg, Josef; Böttcher, Annika; Sambale, Meike; Sherwood, Joanna; Raschke, Michael; Pap, Thomas; Bertrand, Jessica

Inhibition des TLR-3 Signalwegs schützt vor post-traumatischer Arthrose

Zeitschrift für Orthopädie und Unfallchirurgie: Organ der Deutschen Gesellschaft für Orthopädie und Orthopädische Chirurgie - Stuttgart [u.a.]: Thieme, 2007, Bd. 158.2020, Suppl. 1, DKOU20-942, S. S199;

[Imp.fact.: 0.798]

Stolberg-Stolberg, Josef; Sambale, Meike; Hansen, Uwe; Schäfer, Alexandra; Raschke, Michael; Pap, Thomas; Bertrand, Jessica

Nekroptose in der Pathogenese der post-traumatischen Arthrose

Zeitschrift für Orthopädie und Unfallchirurgie: Organ der Deutschen Gesellschaft für Orthopädie und Orthopädische Chirurgie - Stuttgart [u.a.]: Thieme, 2007, Bd. 158.2020, Suppl. 1, DKOU20-1013, S. S216;

[Imp.fact.: 0.798]

Wissel, Heiko; Finger, Michael; Klutzny, Marcus; Kupitz, Dennis; Pätzold, Nadine; Wüstemann, Jan; Pech, Maciej; Stärke, Christian; Lohmann, Christoph H.; Kreißl, Michael; Großer, Oliver Stephan

Einfluss des CT-Metallartefakts eines implantierbaren Knieentlastungssystems auf die quantitative SPECT/CT-Bildgebung

Nuklearmedizin: molecular imaging and therapy - Stuttgart: Thieme, 1959, Bd. 59.2020, 2, S. 149;

[Imp.fact.: 1.085]

DISSERTATIONEN

Riediger, Christian; Mahfeld, Konrad [ErwähnteR]; Mittelmeier, Wolfram [ErwähnteR]

Psychische und psychosomatische Verlaufsprädiktoren in der Knie-Endoprothetik - eine prospektive klinische Untersuchung

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2020, II, IX, 95 Blätter, Diagramme, Formulare