

Publikationen

Peer Reviewed Publications:

Five-year follow-up results after single-bundle versus double-bundle anterior cruciate ligament reconstruction.

Hermann O Mayr, Silvia Bruder; Paul Bennecke, Anna Hoell, Anke Bernstein, Norbert P Suedkamp, Amelie Stoehr. *Arthroscopy*. 2018 (accepted) 4.3 impact factor

Carbon-Fibre-Reinforced SiC Composite (C/SiSiC) as an Alternative Material for Endoprosthesis: Fabrication, Mechanical and In-Vitro Biological Properties.

Reichert A, Seidenstuecker M, Gadow R, Mayr HO, Suedkamp NP, Latorre SH, Weichand P, Bernstein A. *Materials (Basel)*. 2018 Feb 22;11(2).

Release behavior of VAN from four types of CaP-ceramic granules using various loading methods at two different degrees of acidity.

Faigle G, Bernstein A, Suedkamp NP, Mayr HO, Peters F, Huebner WD, Seidenstuecker M. *J Mater Sci Mater Med*. 2017 Dec 28;29(1):12.

3D Powder Printed Bioglass and β -Tricalcium Phosphate Bone Scaffolds.

Seidenstuecker M, Kerr L, Bernstein A, Mayr HO, Suedkamp NP, Gadow R, Krieg P, Hernandez Latorre S, Thomann R, Syrowatka F, Esslinger S. *Materials (Basel)*. 2017 Dec 22;11(1).

[Perioperative Management in Total Knee Arthroplasty].

Hube R, Mayr HO, von Roth P, Najfeld M, Thiele K. *Z Orthop Unfall*. 2017 Nov 22. doi: 10.1055/s-0043-119897. [Epub ahead of print] German.

Composite material consisting of microporous β -TCP ceramic and alginate for delayed release of antibiotics.

Seidenstuecker M, Ruehe J, Suedkamp NP, Serr A, Wittmer A, Bohner M, Bernstein A, Mayr HO. *Acta Biomater*. 2017 Mar 15;51:433-446. doi: 10.1016/j.actbio.2017.01.045. Epub 2017 Jan 16.

Long-term Results of Arthroscopic Arthrolysis for Arthrofibrosis After Anterior Cruciate Ligament Reconstruction.

Mayr HO, Brandt CM, Weig T, Koehne M, Bernstein A, Suedkamp NP, Hube R, Stoehr A. *Arthroscopy*. 2017 Feb;33(2):408-414. doi: 10.1016/j.arthro.2016.07.029. Epub 2016 Oct 24.

Functional outcome after transphyseal anterior cruciate ligament reconstruction in young patients with open growth plates.

Holwein C, Hinterwimmer S, Mayr HO, Lämmle L, Brucker PU, Münch EO, Imhoff AB. *Knee*. 2016 Dec;23(6):1121-1132. doi: 10.1016/j.knee.2016.09.001. Epub 2016 Oct 4.

Meniscal injuries in children and adolescents undergoing surgical treatment for tibial eminence fractures.

Feucht MJ, Brucker PU, Camathias C, Frosch KH, Hirschmann MT, Lorenz S, Mayr HO, Minzlaff P, Petersen W, Saier T, Schneidmüller D, Stoehr A, Wagner D, Südkamp NP, Niemeyer P. *Knee Surg Sports Traumatol Arthrosc.* 2017 Feb;25(2):445-453. doi: 10.1007/s00167-016-4184-0. Epub 2016 May 27.

Sustained release of rhBMP-2 from microporous tricalciumphosphate using hydrogels as a carrier.

Kissling S, Seidenstuecker M, Pilz IH, Suedkamp NP, Mayr HO, Bernstein A. *BMC Biotechnol.* 2016 May 20;16(1):44. doi: 10.1186/s12896-016-0275-8.

Mechanical tensile properties of the anterolateral ligament.

Zens M, Feucht MJ, Ruhhammer J, Bernstein A, Mayr HO, Südkamp NP, Woias P, Niemeyer P. *J Exp Orthop.* 2015 Dec;2(1):7. doi: 10.1186/s40634-015-0023-3. Epub 2015 Apr 2.

Novel Method for Loading Microporous Ceramics Bone Grafts by Using a Directional Flow.

Seidenstuecker M, Kissling S, Ruehe J, Suedkamp NP, Mayr HO, Bernstein A. *J Funct Biomater.* 2015 Dec 21;6(4):1085-98. doi: 10.3390/jfb6041085.

Fixation of stem in revision of total knee arthroplasty: cemented versus cementless-a meta-analysis.

Wang C, Pfitzner T, von Roth P, Mayr HO, Sostheim M, Hube R. *Knee Surg Sports Traumatol Arthrosc.* 2016 Oct;24(10):3200-3211. Epub 2015 Dec 19. Review.

[Complications of knee arthroscopy].

Mayr HO, Stoehr A. *Orthopade.* 2016 Jan;45(1):4-12. doi: 10.1007/s00132-015-3182-0. Review. German.

Novel approach to dynamic knee laxity measurement using capacitive strain gauges.

Zens M, Niemeyer P, Bernstein A, Feucht MJ, Kühle J, Südkamp NP, Woias P, Mayr HO. *Knee Surg Sports Traumatol Arthrosc.* 2015 Oct;23(10):2868-75. doi: 10.1007/s00167-015-3771-9. Epub 2015 Sep 2.

Single-Bundle Versus Double-Bundle Anterior Cruciate Ligament Reconstruction: A Comparative 2-Year Follow-up.

Mayr HO, Benecke P, Hoell A, Schmitt-Sody M, Bernstein A, Suedkamp NP, Stoehr A. *Arthroscopy.* 2016 Jan;32(1):34-42. doi: 10.1016/j.arthro.2015.06.029. Epub 2015 Aug 28.

Length Changes of the Anterolateral Ligament During Passive Knee Motion: A Human Cadaveric Study.

Zens M, Niemeyer P, Ruhhammer J, Bernstein A, Woias P, Mayr HO, Südkamp NP, Feucht MJ. *Am J Sports Med.* 2015 Oct;43(10):2545-52. doi: 10.1177/0363546515594373. Epub 2015 Aug 11.

[Management of Flexion Contracture in Primary Total Knee Arthroplasty].

Hube R, Mayr HO, Pfitzner T, von Roth P. *Z Orthop Unfall.* 2015 Jun;153(3):328-30. doi: 10.1055/s-0035-1546010. Epub 2015 Jun 26. German.

The Stiff Knee.

Mayr HO, Hochrein A.

Knee. 2015 Sep;22(4):354-5. doi: 10.1016/j.knee.2015.06.004. No abstract available.

Current failure mechanisms after knee arthroplasty have changed: polyethylene wear is less common in revision surgery.

Thiele K, Perka C, Matziolis G, Mayr HO, Sostheim M, Hube R. J Bone Joint Surg Am. 2015 May 6;97(9):715-20. doi: 10.2106/JBJS.M.01534.

[Erratum to: Defect reconstruction in total knee arthroplasty with wedges and blocks].

Hube R, Pfitzner T, von Roth P, Mayr HO. Oper Orthop Traumatol. 2015 Apr;27(2):154. doi: 10.1007/s00064-015-0364-1. German.

β -Tricalcium phosphate for bone replacement: stability and integration in sheep.

Mayr HO, Suedkamp NP, Hammer T, Hein W, Hube R, Roth PV, Bernstein A.

J Biomech. 2015 Apr 13;48(6):1023-31. doi: 10.1016/j.jbiomech.2015.01.040. Epub 2015 Feb 7.

[Defect Reconstruction in Total Knee Arthroplasty with wedges and blocks].

Hube R, Pfitzner T, von Roth P, Mayr HO. Oper Orthop Traumatol. 2015 Feb;27(1):6-16. doi: 10.1007/s00064-014-0331-2. Epub 2015 Feb 4. German. Erratum in: Oper Orthop Traumatol. 2015 Apr;27(2):154.

A New Approach to Determine Ligament Strain Using PDMS Strain Gauges: Exemplary Measurements of the Anterolateral Ligament.

Martin Zens, Johannes Ruhhammer, Frank Goldschmidtboeing, Peter Woias, Matthias J Feucht, Hermann O Mayr, Philipp Niemeyer

Journal of Biomechanical Engineering 10/2014; · 1.52 Impact Factor

Influence of the tourniquet on tibial cement mantle thickness in primary total knee arthroplasty.

Tilman Pfitzner, Philipp von Roth, Ninja Voerkelius, Hermann Mayr, Carsten Perka, Robert Hube

Knee Surg Sports Traumatol Arthrosc. 2014 Sep 25. · 2.84 Impact Factor

Sports activity following total knee arthroplasty in patients older than 60 Years

Hermann O. Mayr, Maik Reinhold, Anke Bernstein, Norbert Suedkamp, Amelie Stoehr

The Journal of Arthroplasty 09/2014; · 2.11 Impact Factor

Reproducibility of Femoral Offset Following Short Stem and Straight Stem Total Hip Arthroplasty.

Philipp von Roth, Carsten Perka, Hermann O Mayr, Bernd Preininger, Friedrich Ziebula, Georg Matziolis, Robert Hube

Orthopedics 07/2014; 37(7):e678-e684. · 1.05 Impact Factor

Novel Measurement Technique for Knee Joint Laxities Using Polymeric Capacitive Strain Gauges

Martin Zens, Johannes Ruhhammer, Frank Goldschmidtboeing, Peter Woias, Hermann O. Mayr, Philipp Niemeyer, Anke Bernstein

2014 IEEE International Symposium on Medical Measurements and Applications (MeMeA), Lison, Portugal; 06/2014

Rotational laxity and collateral ligament laxity following total knee arthroplasty with rotating platform.

Hermann O Mayr, Maik Reinhold, Robert Hube, Philipp von Roth, Anke Bernstein, Norbert Suedkamp, Amelie Stoehr

International Orthopaedics 03/2014; · 2.32 Impact Factor

Stage-adapted treatment of infection after reconstruction of the anterior cruciate ligament.]

W Petersen, M Herbort, E Höynck, T Zantop, H Mayr

Operative Orthopädie und Traumatologie 02/2014; 26(1):63-74. · 0.47 Impact Factor

[Arthroscopic treatment of arthrofibrosis after ACL reconstruction : Local and generalized arthrofibrosis.]

H O Mayr, A Stöhr

Operative Orthopädie und Traumatologie 02/2014; 26(1):7-18. · 0.47 Impact Factor

Stadiengerechte Therapie bei Infekten nach Ersatzplastik des vorderen Kreuzbandes

W. Petersen, M. Herbort, E. Höynck, T. Zantop, H. Mayr

Operative Orthopädie und Traumatologie 01/2014; 26(1). · 0.47 Impact Factor

Arthroskopische Arthrololyse bei Arthrofibrose nach Ersatzplastik des vorderen Kreuzbandes: Lokale und generalisierte Arthrofibrose

H.O. Mayr, A. Stöhr

Operative Orthopädie und Traumatologie 01/2014; 26(1). · 0.47 Impact Factor

Sport und Alltag - was dürfen wir H. Mayr unseren Kunstgelenken wirklich zumuten?

Hermann O Mayr

15. AE-Kongress München; 12/2013

Microporous calcium phosphate ceramics as tissue engineering scaffolds for the repair of osteochondral defects: Histological results

A.Bernstein, P.Niemeyer, G.Salzmann, N.P.Südkamp, R.Hube, J.Klehm, M.Menzel, R. von Acta Biomaterialia 07/2013; 9(7):7490-7505. · 5.68 Impact Factor

Early results of gender-specific posterior stabilized total knee arthroplasty without patella resurfacing.]

P von Roth, G Matziolis, T Pfitzner, H O Mayr, T Klein, B Preininger, T Winkler, R Hube

Der Orthopäde 06/2013; · 0.51 Impact Factor

Brace or no-brace after ACL graft? Four-year results of a prospective clinical trial.

Hermann O Mayr, Paul Stüeken, Ernst-Otto Münch, Morris Wolter, Anke Bernstein, Norbert P Suedkamp, Amelie Stoehr

Knee Surgery Sports Traumatology Arthroscopy 06/2013; · 2.68 Impact Factor

Indications for and results of arthroscopy in the arthritic knee: a European survey.

Hermann Otto Mayr, Matthias Rueschenschmidt, Romain Seil, David Dejour, Anke Bernstein, Norbert Suedkamp, Amelie Stoehr

International Orthopaedics 05/2013; · 2.32 Impact Factor

Mesenchymal stem cell chondrogenesis: composite growth factor-bioreactor synergism for human stem cell chondrogenesis.

Marios Petrou, Philipp Niemeyer, Martin J Stoddart, Sibylle Grad, Anke Bernstein, Hermann O Mayr, Gerrit Bode, Norbert Sudkamp, Mauro Alini, Gian M Salzmann

Regenerative Medicine 03/2013; 8(2):157-70. · 3.87 Impact Factor

Intraoperative biologische Augmentation am Knochen und der subchondralen Zone
Dr. A. Stöhr, J. Zellner, P. Angele, H.O. Mayr
Arthroskopie 01/2013; 26(2).

Arthrofibrose nach Bandoperationen am Knie: Ursachen, Diagnostik, Therapie
H.O. Mayr, M. Köhne
Arthroskopie 01/2013; 26(4).

Practice in rehabilitation after cartilage therapy: an expert survey.
Stephan Vogt, Peter Angele, Markus Arnold, Kay Brehme, Matthias Cotic, Carl Haasper,
Stefan Hinterwimmer, Andreas B Imhoff, Wolf Petersen, Gian Salzmänn, Matthias
Steinwachs, Arne Venjakob, Hermann O Mayr
Archives of Orthopaedic and Trauma Surgery 12/2012; · 1.36 Impact Factor

Use of redon drains in primary total hip arthroplasty has no clinically relevant benefits.
Philipp von Roth, Carsten Perka, Katharina Dirschedl, Hermann O Mayr, Ludwig Ensthaler,
Bernd Preininger, Robert Hube
Orthopedics 11/2012; 35(11):e1592-5. · 1.05 Impact Factor

Microporous calcium phosphate ceramics as tissue engineering scaffolds for the repair of
osteocondral defects: Biomechanical results.
H O Mayr, J Klehm, S Schwan, R Hube, N P Südkamp, P Niemeyer, G Salzmänn, R von
Eisenhardt-Rothe, A Heilmann, M Bohner, A Bernstein
Acta biomaterialia 08/2012; · 5.68 Impact Factor

Adhesion and proliferation of human osteoblast-like cells on different biodegradable implant
materials used for graft fixation in ACL-reconstruction.
A Bernstein, Katja Tecklenburg, P Südkamp, H O Mayr
Archives of Orthopaedic and Trauma Surgery 08/2012; 132(11):1637-45. · 1.36 Impact
Factor

Sportliche Aktivität nach Knieendoprothese mit rotierender Plattform
Hermann O Mayr
27. Jahreskongress der GOTS in Salzburg 22. bis 23. Juni 2012; 06/2012

Arthrolyse nach vorderer Kreuzbandrekonstruktion
H. O. Mayr, T. G. Weig, E. O. Münch, W. Plitz
Arthroskopie 04/2012; 13(1):54-59.

Revision of anterior cruciate ligament reconstruction with patellar tendon allograft and
autograft: 2- and 5-year results.
Hermann O Mayr, Doerthe Willkomm, Amelie Stoehr, Mathias Schettle, Norbert P Suedkamp,
Anke Bernstein, Robert Hube
Archives of Orthopaedic and Trauma Surgery 02/2012; 132(6):867-74. · 1.36 Impact Factor

Author's Reply
Hermann O. Mayr
Arthroscopy The Journal of Arthroscopic and Related Surgery 02/2012; 28(2):152–153. ·
3.10 Impact Factor

Autologous chondrocyte implantation for the treatment of chondral and osteochondral defects of the talus: a meta-analysis of available evidence.

Philipp Niemeyer, Gian Salzmann, Hagen Schmal, Hermann Mayr, Norbert P Südkamp
Knee Surgery Sports Traumatology Arthroscopy 10/2011; 20(9):1696-703. · 2.68 Impact Factor

Graft-dependent differences in the ligamentization process of anterior cruciate ligament grafts in a sheep trial.

Hermann O Mayr, Amelie Stoehr, Markwart Dietrich, Rüdiger von Eisenhart-Rothe, Robert Hube, Senta Senger, Norbert P Suedkamp, Anke Bernstein
Knee Surgery Sports Traumatology Arthroscopy 09/2011; 20(5):947-56. · 2.68 Impact Factor

Validation of a measurement device for instrumented quantification of anterior translation and rotational assessment of the knee.

Hermann O Mayr, Anna Hoell, Anke Bernstein, Robert Hube, Claudius Zeiler, Thomas Kalteis, Norbert P Suedkamp, Amelie Stoehr
Arthroscopy The Journal of Arthroscopic and Related Surgery 06/2011; 27(8):1096-104. · 3.10 Impact Factor

Cartilage repair approach and treatment characteristics across the knee joint: a European survey.

Gian M Salzmann, P Niemeyer, M Steinwachs, P C Kreuz, N P Südkamp, H O Mayr
Archives of Orthopaedic and Trauma Surgery 03/2011; 131(3):283-91. · 1.36 Impact Factor

[TKA revision of semiconstraint components using the 3-step technique].

R Hube, G Matziolis, T Kalteis, H O Mayr
Operative Orthopädie und Traumatologie 02/2011; 23(1):61-9. · 0.47 Impact Factor

Die Extension-First-Technik bei der Knie-TEP-Implantation

R. Hube, H.O. Mayr, T. Kalteis, G. Matziolis
Operative Orthopädie und Traumatologie 01/2011; 23(3):241-248. · 0.47 Impact Factor

Cellular compatibility of highly degradable bioactive ceramics for coating of metal implants.
F Radetzki, D Wohlrab, A Zeh, K S Delank, T Mendel, G Berger, F Syrowatka, O Mayr, A Bernstein

Bio-medical materials and engineering 01/2011; 21(5-6):307-21. · 1.09 Impact Factor

[Recommendations of the AGA (German-speaking Arthroscopy Association) on equipment of facilities, process quality and qualification of surgeons for arthroscopic interventions].

H Mayr
Der Unfallchirurg 11/2010; 113(11):960-3. · 0.64 Impact Factor

Instrumented examination of anterior cruciate ligament injuries: minimizing flaws of the manual clinical examination.

Thomas P Branch, Hermann O Mayr, Jon E Browne, John C Campbell, Amelie Stoehr, Cale A Jacobs
Arthroscopy The Journal of Arthroscopic and Related Surgery 07/2010; 26(7):997-1004. · 3.10 Impact Factor

Vorderes Kreuzband: Spielfeldbetreuung

H. Schmitt, J. Freiwald, M. Engelhardt, K. Dann, M. Krüger-Franke, H. Mayr, A. Gokeler, O. Miltner
GOTS-Expertenmeeting. 01/2010;

Spielfeldbetreuung

H. Schmitt, J. Freiwald, M. Engelhardt, K. Dann, M. Krüger-Franke, H. Mayr, A. Gokeler, O. Miltner

GOTS-Expertenmeeting: Vorderes Kreuzband. 01/2010;

Vorderes und hinteres Kreuzband

H. Mayr

Arthroskopie 01/2010; 23(1):5-5.

Current state of instrumental measurement of knee laxity

H. O. Mayr, A. Stöhr

Arthroskopie 01/2010; 23(1):56-61.

Rehabilitation und Rückkehr zum Sport nach VKB-Rekonstruktion

T. Zantop, G. Bauer, K. Benedetto, M. Buchner, K. Dann, A. Ellermann, M. Engelhardt, J. Freiwald, A. Gokeler, T. Jöllenbeck, M. Krüger-Franke, H. Mayr, O. Miltner, R. Seil, H. Schmitt
GOTS-Expertenmeeting: Vorderes Kreuzband. 01/2010;

Simultaneous 3D assessment of glenohumeral shape, humeral head centering, and scapular positioning in atraumatic shoulder instability: a magnetic resonance-based in vivo analysis.

Rüdiger von Eisenhart-Rothe, Hermann Otto Mayr, Stefan Hinterwimmer, Heiko Graichen
The American journal of sports medicine 11/2009; 38(2):375-82. · 3.61 Impact Factor

Microporous pure beta-tricalcium phosphate implants for press-fit fixation of anterior cruciate ligament grafts: strength and healing in a sheep model.

Hermann O Mayr, Markwart Dietrich, Franz Fraedrich, Robert Hube, Andreas Nerlich, Rüdiger von Eisenhart-Rothe, Werner Hein, Anke Bernstein
Arthroscopy The Journal of Arthroscopic and Related Surgery 10/2009; 25(9):996-1005. · 3.10 Impact Factor

Can bone healing in distraction osteogenesis be accelerated by local application of IGF-1 and TGF-beta1?

Anke Bernstein, Hermann O Mayr, Robert Hube

Journal of Biomedical Materials Research Part B Applied Biomaterials 10/2009; 92(1): 215-25. · 2.31 Impact Factor

results following anterior cruciate ligament reconstruction using a hard brace compared to a fluid-filled soft brace.

Hermann Otto Mayr, Alfred Hochrein, Werner Hein, Robert Hube, Anke Bernstein
The Knee 09/2009; 17(2):119-26. · 2.01 Impact Factor

[Analyses and comparison of 2-D vs. 3-D glenoid versions in atraumatic/traumatic shoulder instability--are 3-D analyses essential?].

Sportverletzung · Sportschaden 07/2009; 23(2):106-11. · 0.46 Impact Factor

[The mini-midvastus approach for total knee arthroplasty].

Robert Hube, Manuel Keim, Hermann Otto Mayr

Operative Orthopädie und Traumatologie 04/2009; 21(1):3-13. · 0.47 Impact Factor

Analyse und Vergleich 2-D- vs. 3-D-Glenoidversion bei a-/traumatischer Schulterinstabilität – ist eine 3-D-Analyse notwendig?

R. von Eisenhart-Rothe, H. Graichen, H. Mayr, A. Jäger, E. Wiedemann, S. Hinterwimmer
Zeitschrift für Orthopädie und Unfallchirurgie 01/2009; 23(02):106-111. · 0.65 Impact Factor

In Vitro and In Vivo Behaviour of a Ceramic with Interconnected Macroporosity

Anke Bernstein, Renate Gildenhaar, Georg Berger, Hermann O. Mayr
Key Engineering Materials - KEY ENG MAT. 01/2009;

Der Mini-Midvastus-Zugang zur Implantation von Kniegelenkendoprothesen

Robert Hube, Manuel Keim, Hermann Otto Mayr
Operative Orthopädie und Traumatologie 01/2009; 21(1):3-13. · 0.47 Impact Factor

Complications after cruciate ligament reconstruction].

H O Mayr, C Zeiler
Der Orthopäde 11/2008; 37(11):1080-7. · 0.51 Impact Factor

Inhibition of mineralization by a calcium zirconium phosphate coating.

Anke Bernstein, Doreen Nöbel, Hermann O Mayr, Felix Göbel, Georg Berger, Ute Ploska,
Journal of Biomedical Materials Research Part B Applied Biomaterials 09/2008; 86(2):422-9.
· 2.31 Impact Factor

Pre-emptive intra-articular administration of local anaesthetics/opiates versus postoperative local anaesthetics/opiates or local anaesthetics in arthroscopic surgery of the knee joint: a prospective randomized trial.

R Hube, M Tröger, F Rickerl, E O Muench, R von Eisenhart-Rothe, W Hein, H O Mayr
Archives of Orthopaedic and Trauma Surgery 04/2008; 129(3):343-8. · 1.36 Impact Factor

Histological and histomorphometric investigations on bone integration of rapidly resorbable calcium phosphate ceramics.

Anke Bernstein, Doreen Nöbel, Hermann O Mayr, Georg Berger, Renate Gildenhaar, Jörg Brandt
Journal of Biomedical Materials Research Part B Applied Biomaterials 03/2008;

Influence of Calcium Zirconium Phosphate Containing Coatings on Mineralization of Bone

Anke Bernstein, Doreen Nöbel, Hermann O. Mayr, Renate Gildenhaar, Georg Berger, Ute Ploska, Joerg Brandt
Key Engineering Materials - KEY ENG MAT. 01/2008;

Beta-tricalcium phosphate plugs for press-fit fixation in ACL reconstruction--a mechanical analysis in bovine bone.

Hermann O Mayr, Robert Hube, Anke Bernstein, Alexander B Seibt, Werner Hein,
The Knee 07/2007; 14(3):239-44. · 2.01 Impact Factor

Pre- versus postoperative intraarticular application of local anesthetics and opioids versus femoral nerve block in anterior cruciate ligament repair.

Hermann O Mayr, Elmar Entholzner, Robert Hube, Werner Hein, Thomas G Weig
Archives of Orthopaedic and Trauma Surgery 06/2007; 127(4):241-4. · 1.36 Impact Factor

Prediction of biomechanical stability after callus distraction by high resolution scanning acoustic microscopy.

Robert Hube, Hermann Mayr, Werner Hein, Kay Raum
Ultrasound in Medicine & Biology 01/2007; 32(12):1913-21. · 2.46 Impact Factor

Retropatellararthrose bei Arthrofibrose

H. O. Mayr, M. Tröger, W. Hein
Arthroskopie 01/2005; 18(4):308-312.

Einpresskraft bei Press-fit Fixierung der vorderen Kreuzbandplastik - eine Grundlagenstudie

H. O. Mayr, T. Beck, R. Hube, A. Jäger, R. von Eisenhart-Rothe, A. Bernstein, W. Plitz, W. Hein

Zeitschrift Fur Orthopädie Und Ihre Grenzgebiete - Z ORTHOP GRENZGEB. 01/2005; 143(5):556-560.

MR-based 3D-analysis of the pathomechanics of traumatic and atraumatic shoulder instability].

R von Eisenhart-Rothe, S Hinterwimmer, C Braune, A Jäger, H Mayr, T Vogl, K-H Englmeier, H Graichen

Zeitschrift für Orthopädie 01/2005; 143(4):461-7. · 0.86 Impact Factor

Patellofemoral arthritis following arthrofibrosis: Causes and therapy

H. O. Mayr, M. Tröger, W. Hein
Arthroskopie 01/2005; 18(4):308-312.

Arthrofibrosis following ACL reconstruction-reasons and outcome.

Mayr HO, Weig TG, Plitz W.

Archives of Orthopaedic and Trauma Surgery 11/2004; 124(8):518-22. · 1.36 Impact Factor

Screening for arthrofibrosis after anterior cruciate ligament reconstruction: analysis of association with human leukocyte antigen.

Michael Skutek, Holger-A Elsner, Kalina Slateva, Hermann-O Mayr, Thomas-G Weig,

Arthroscopy The Journal of Arthroscopic and Related Surgery 06/2004; 20(5):469-73. · 3.10 Impact Factor

Die autologe Knorpel-Knochen-Transplantation bei Osteochondrosis dissecans des medialen Femurkondylus

H.O. Mayr, T. Grape, E.O. Münch, E. Wiedemann, M. Tröger, W. Plitz
Arthroskopie 10/2003; 16(4):262-265.

The DST and its relationship to psychiatric diagnosis, symptoms and treatment outcome.

H E Klein, W Bender, H Mayr, A Niederschweiberer, M Schmauss

The British Journal of Psychiatry 01/1985; 145:591-9. · 6.61 Impact Factor

[Axial load in case of press-fit fixation of the ACL graft--a fundamental study].

H O Mayr, T Beck, R Hube, A Jäger, R von Eisenhart-Rothe, A Bernstein, W Plitz, W Hein
Zeitschrift für Orthopädie 143(5):556-60. · 0.86 Impact Factor

Empfehlungen der AGA (Sektion der DGOU) zur Ausstattung der Einrichtung, Prozessqualität und Qualifikation des Operateurs bei arthroskopischen Eingriffen

H. Mayr
Der Unfallchirurg 113(11):960-963. · 0.64 Impact Factor

Sportfähigkeit nach transphysealer VKB-Rekonstruktion bei Kindern

Christian Holwein, S. Hinterwimmer, H.O. Mayr, P.U. Brucker, E.-O. Münch, A.B. Imhoff

Sport-Orthopädie - Sport-Traumatologie - Sports Orthopaedics and Traumatology 29(2):160.

Simultane 3D-Bestimmung der glenohumeralen Gelenkkonfiguration,
Humeruskopfzentrierung und Skapularposition bei Patienten mit atraumatischer
Schulterinstabilität
Obere Extremität 5(4):209-215.

Konventionelle und geschlechtsspezifische Kreuzbandersetzende
Knie totalendoprothesenimplantation
P. von Roth, G. Matziolis, T. Pfitzner, H.O. Mayr, T. Klein, B. Preininger, T. Winkler, PD Dr. R.
Hube
Der Orthopäde · 0.51 Impact Factor

Revisionsplastik des vorderen Kreuzbandes mit allogenen und autogenen Patellasehnen –
vergleichende Untersuchungen nach 2 und 5 Jahren
Dörthe Willkomm, H.-O. Mayr
Sport-Orthopädie - Sport-Traumatologie - Sports Orthopaedics and Traumatology. 26(2).

Sportliche Aktivität nach Knieendoprothese mit rotierender Plattform
Hermann Mayr, M. Reinhold, A. Bernstein, R. Hube, N. Südkamp
Sport-Orthopädie - Sport-Traumatologie - Sports Orthopaedics and Traumatology 28(2):
120–121.

Komplikationen nach Kreuzbandersatzplastiken
H.O. Mayr, C. Zeiler
Der Orthopäde 37(11):1080-1087. ·.51 Impact Factor

Aktueller Stand der instrumentellen Messung der Knielaxität
H.O. Mayr, A. Stöhr
Arthroskopie 23(1):56-61.

Stellenwert der Arthroskopie bei Gonarthrose
PD Dr. P. Niemeyer, T. Zantop, N.P. Südkamp, H.O. Mayr
Arthroskopie 25(3).

Knie totalendoprothesenwechsel bei periprothetischen Frakturen
R. Hube, H.O. Mayr
Trauma und Berufskrankheit 14(3).

Book Editor:

Prevention of Injuries and Overuse in Sports
Directory for Physicians, Physiotherapists, Sport Scientists and Coaches
Mayr, Hermann O, Zaffagnini S (Eds.), ISBN 978-3-662-47705-2 ISBN 978-3-662-47706-9
(eBook), DOI 10.1007/978-3-662-47706-9, 172 pp. Springer Heidelberg New York Dordrecht
London; 2016

Book Chapters:

Tibiale Slopeerhöhung bei Genu Recurvatum
Hermann O. Mayr
in Dieter Rixen et al. (Eds.) Kniearthroskopie – Atlas für die OP-Praxis; Elsevier; 2018 (in
print)



Return to Play Following Tendon Injuries

Mirco Herbort, Christoph Kittl, Hermann Mayr

in Jon Karlsson et al. (Eds.), *Back to Sports in Football*, Springer Heidelberg New York Dordrecht London; 2017 (in print)

General Technical Consideration in Arthroscopic Anterior Cruciate Ligament Reconstruction,
A. Stoehr , A. Hochrein , and H. O. Mayr pp. 2017-23 in

Pietro Randelli et al. (Eds.), *Arthroscopy - Basic to Advanced*, ISBN 978-3-662-49374-8 ISBN 978-3-662-49376-2 (eBook) DOI 10.1007/978-3-662-49376-2, Springer Heidelberg New York Dordrecht London; 2016

Prevention of ACL Tear and Rerupture

Amelie Stoehr, Barbara Wondrasch and Hermann Mayr

in R. Siebold et al. (Eds.), *Anterior Cruciate Ligament Reconstruction*,

DOI 10.1007/978-3-642-45349-6_42, Springer Heidelberg New York Dordrecht London; 2014

Rehabilitation and Return to Sports

Amelie Stoehr, Hermann Mayr, Barbara Wondrasch, and Christian Fink

in R. Siebold et al. (Eds.), *Anterior Cruciate Ligament Reconstruction*,

DOI 10.1007/978-3-642-45349-6_42, Springer Heidelberg New York Dordrecht London; 2014

Alpiner Skilauf

Mayr HO, Waibel KH

in Holger Schmitt *Sportorthopädie und -traumatologie im Kindes- und Jugendalter:*

Empfehlungen zur Sporttauglichkeitsprüfung und zur Sportausübung bei Verletzungen und Erkrankungen, ISBN 978-3-7691-0614-5 Deutscher Ärzteverlag 2014

Mayr HO, Willkomm D, Petersen W

Operationsverfahren: Transplantatwahl pp. 85-89

in Petersen/Zantop, *Das vordere Kreuzband*,

978-3-7691-0562-9 (ISBN), Deutscher Ärzteverlag 2009