

## Publikationen 2022

- Liau LM, Ashkan K, Brem S, Campian JL, Trusheim JE, Iwamoto FM, Tran DD, Ansstas G, Cobbs CS, Heth JA, Salacz ME, D'Andre S, Aiken RD, Moshel YA, Nam JY, Pillainayagam CP, Wagner SA, Walter KA, Chaudary R, Goldlust SA, Lee IY, Bota DA, Elinzano H, Grewal J, Lillehei K, Mikkelsen T, Walbert T, Abram S, Brenner AJ, Ewend MG, Khagi S, Lovick DS, Portnow J, Kim L, Loudon WG, Martinez NL, Thompson RC, Avigan DE, Fink KL, Geoffroy FJ, Giglio P, Gligich O, Krex D, Lindhorst SM, Lutzky J, Meisel HJ, Nadji-Ohl M, Sanchin L, Sloan A, Taylor LP, Wu JK, Dunbar EM, Etame AB, Kesari S, Mathieu D, Piccioni DE, Baskin DS, Lacroix M, May SA, New PZ, Pluard TJ, Toms SA, Tse V, Peak S, Villano JL, Battiste JD, Mulholland PJ, Pearlman ML, Petrecca K, Schulder M, Prins RM, Boynton AL, Bosch ML.; Association of Autologous Tumor Lysate-Loaded Dendritic Cell Vaccination With Extension of Survival Among Patients With Newly Diagnosed and Recurrent Glioblastoma: A Phase 3 Prospective Externally Controlled Cohort Trial; *JAMA Oncol.* 2022 Nov 17:e225370. doi: 10.1001/jamaoncol.2022.5370. Online ahead of print.
- Rezai Jahromi B, Göhre F, Tulamo R, Andrade-Barazarte H.; Editorial: Pathophysiology and treatment of fusiform intracranial aneurysms; *Front Neurol.* 2022 Aug 2213:893712. doi: 10.3389/fneur.2022.893712. eCollection 2022.
- Dörr NM, Kaden I, Kleeff J.; Intracystic Papillary Neoplasm of the Gallbladder; *J Gastrointest Surg.* 2022 Apr26(4):982-984. doi: 10.1007/s11605-021-05225-5. Epub 2022 Jan 21.
- Wahl U, Ochsmann E, Siemers F, Corterier CC, Hirsch T.; [Accident-related and workplace-related vascular disorders of the hand]; *Unfallchirurg.* 2022 Apr125(4):327-335. doi: 10.1007/s00113-021-01127-y. Epub 2022 Jan 6.
- Conrad T, Siewert N, Hofmann GO.; [Primary total knee arthroplasty following trauma]; *Unfallchirurgie (Heidelb).* 2022 Dec125(12):936-945. doi: 10.1007/s00113-022-01250-4. Epub 2022 Nov 10.
- Eitner A, Sparing S, Kohler FC, Müller S, Hofmann GO, Kamradt T, Schaible HG, Aurich M.; Osteoarthritis-Induced Metabolic Alterations of Human Hip Chondrocytes; *Biomedicines.* 2022 Jun 810(6):1349. doi: 10.3390/biomedicines10061349.
- Streibert F, Bernhardt C, Simon P, Hilbert-Carius P, Wrigge H.; [Safe position check of gastric tubes: an often underestimated topic to prevent possible severe complications]; *Anaesthesiologie.* 2022 Nov 22. doi: 10.1007/s00101-022-01218-4. Online ahead of print.
- Spiegel UJ, Osterhoff G, Bula P, Hartmann F, Scheyerer MJ, Schnake KJ, Ullrich BW.; Concomitant injuries in patients with thoracic vertebral body fractures-a systematic literature review; *Arch Orthop Trauma Surg.* 2022 Jul142(7):1483-1490. doi: 10.1007/s00402-021-03830-2. Epub 2021 Mar 1.
- Mawrin C, Koch R, Waldt N, Sandalcioglu IE, Braunsdorf WEK, Warnke JP, Goehre F, Meisel HJ, Ewald C, Neyazi S, Schüller U, Kirches E.; A new amplicon-based gene panel for next generation sequencing characterization of meningiomas; *Brain Pathol.* 2022 Mar32(2):e13046. doi: 10.1111/bpa.13046.
- Oerding C, Uhlmann F, Wollmann J, Kaden I, Wohlfarth K.; Carotid Artery Stenosis and Ischemic Strokes in Patients with Giant Cell Arteritis: A Characteristic Pattern-Literature Review and Case Report; *TH Open.* 2021 Nov 236(1):e40-e49. doi: 10.1055/a-1704-0741. eCollection 2022 Jan.

- Aurich M, Lenz M, Hofmann GO, Schubert W, Knobe M, Roth KE, Simons P, Klos K.; Anatomical Study of Sinus Tarsi-Based Lateral Lengthening Calcaneal Osteotomy; *Foot Ankle Int.* 2022 Jan43(1):101-104. doi: 10.1177/10711007211041345. Epub 2021 Sep 7.
- Lühmann P, Kremer T, Siemers F, Rein S.; Comparative histomorphological analysis of elbow ligaments and capsule; *Clin Anat.* 2022 Nov35(8):1070-1084. doi: 10.1002/ca.23913. Epub 2022 May 18.
- Dörr NM, Wiesner I, Kleeff J.; Management of an abdominal penetration injury due to a car accident; *Trauma Case Rep.* 2022 Apr 2939:100646. doi: 10.1016/j.tcr.2022.100646. eCollection 2022 Jun.
- Wahl U, Hirsch T.; [The crucial role of color-coded duplex sonography before planning microvascular tissue transfer in the lower extremities]; *Unfallchirurg.* 2022 May125(5):422-424. doi: 10.1007/s00113-022-01164-1. Epub 2022 Mar 21.
- Niemeyer P, Albrecht D, Aurich M, Becher C, Behrens P, Bichmann P, Bode G, Brucker P, Erggelet C, Ezechieli M, Faber S, Fickert S, Fritz J, Hoburg A, Kreuz P, Lütznier J, Madry H, Marlovits S, Mehl J, Müller PE, Nehrer S, Niethammer T, Pietschmann M, Plaass C, Rössler P, Rhunau K, Schewe B, Spahn G, Steinwachs M, Tischer T, Volz M, Walther M, Zinser W, Zellner J, Angele P.; [Correction: Empfehlungen der AG Klinische Geweberegeneration zur Behandlung von Knorpelschäden am Kniegelenk]; *Z Orthop Unfall.* 2022 Mar 28. doi: 10.1055/a-1798-7819. Online ahead of print.
- Meklef RA, Siemers F, Rein S.; Development of a 3D-immunofluorescence analysis for sensory nerve endings in human ligaments; *J Neurosci Methods.* 2022 Dec 1382:109724. doi: 10.1016/j.jneumeth.2022.109724. Epub 2022 Oct 4.
- Mesregah MK, Yoshida B, Lashkari N, Abedi A, Meisel HJ, Diwan A, Hsieh P, Wang JC, Buser Z, Yoon ST AO Spine Knowledge Forum Degenerative.; Demographic, clinical, and operative risk factors associated with postoperative adjacent segment disease in patients undergoing lumbar spine fusions: a systematic review and meta-analysis; *Spine J.* 2022 Jun22(6):1038-1069. doi: 10.1016/j.spinee.2021.12.002. Epub 2021 Dec 9.
- Niemeyer P, Albrecht D, Aurich M, Becher C, Behrens P, Bichmann P, Bode G, Brucker P, Erggelet C, Ezechieli M, Faber S, Fickert S, Fritz J, Hoburg A, Kreuz P, Lütznier J, Madry H, Marlovits S, Mehl J, Müller PE, Nehrer S, Niethammer T, Pietschmann M, Plaass C, Rössler P, Rhunau K, Schewe B, Spahn G, Steinwachs M, Tischer T, Volz M, Walther M, Zinser W, Zellner J, Angele P.; Empfehlungen der AG Klinische Geweberegeneration zur Behandlung von Knorpelschäden am Kniegelenk; *Z Orthop Unfall.* 2022 Feb 21. doi: 10.1055/a-1663-6807. Online ahead of print.
- Simon P, Wrigge H.; [41/f-ARDS and long-term dependence on a ventilator after ECMO treatment : Preparation course anesthesiological intensive care medicine: case 28]; *Anaesthesiologie.* 2022 Sep71(Suppl 1):145-148. doi: 10.1007/s00101-022-01160-5. Epub 2022 Jul 11.
- Schenk P, Jacobi A, Graebisch C, Mendel T, Hofmann GO, Ullrich BW.; Impact of Spino-Pelvic Parameters on the Prediction of Lumbar and Thoraco-Lumbar Segment Angles in the Supine Position; *J Pers Med.* 2022 Dec 1712(12):2081. doi: 10.3390/jpm12122081.
- Kohler FC, Schenk P, Koehler P, Hofmann GO, Biedermann U, Wildemann B, Graul I, Hallbauer J.; The role of the posterior malleolus in the treatment of unstable upper ankle joint injuries - A biomechanical study; *Foot Ankle Surg.* 2022 Oct28(7):979-985. doi: 10.1016/j.fas.2022.02.006. Epub 2022 Feb 12.
- Weinert K, Holzhausen HJ, Bartels T, Spahn G, Hofmann GO.; Histopathological Analysis of the Degree of Tendinosis in Failed Anterior Cruciate Ligament Grafts; *Z Orthop Unfall.* 2022 Feb 23. doi: 10.1055/a-1717-2889. Online ahead of print.

- Ullrich BW, Schwarz F, McLean AL, Mendel T, Kaden I, Hein E, Lattauschke A, Beyer J, Hofmann GO, Klauke F, Schenk P.; Inter-Rater Reliability of Hounsfield Units as a Measure of Bone Density: Applications in the Treatment of Thoracolumbar Fractures; *World Neurosurg.* 2022 Feb158:e711-e716. doi: 10.1016/j.wneu.2021.11.043. Epub 2021 Nov 16.
- Guellil N, Argawal N, Krieghoff M, Kaden I, Hohaus C, Meisel HJ, Schenk P.; Novel Methods to Measure Height and Volume in Healthy and Degenerated Lumbar Discs in MRIs: A Reliability Assessment Study; *Diagnostics (Basel).* 2022 Jun 1012(6):1437. doi: 10.3390/diagnostics12061437.
- Wahl U, Hirsch T.; A systematic review of cardiovascular risk factors in patients with traumatic spinal cord injury; *Vasa.* 2022 Jan51(1):46-55. doi: 10.1024/0301-1526/a000981. Epub 2021 Dec 2.
- Kohler FC, Schenk P, Bechstedt-Schimske M, Ullrich BW, Klauke F, Hofmann GO, Mendel T.; Open versus minimally invasive fixation of thoracic and lumbar spine fractures in patients with ankylosing spinal diseases; *Eur J Trauma Emerg Surg.* 2022 Jun48(3):2297-2307. doi: 10.1007/s00068-021-01756-3. Epub 2021 Aug 6.
- Rein S, Esplugas M, Garcia-Elias M, Kremer T, Siemers F, Lühmann P.; Immunofluorescence analysis of sensory nerve endings in the periarticular tissue of the human elbow joint; *Arch Orthop Trauma Surg.* 2022 Sep 7. doi: 10.1007/s00402-022-04604-0. Online ahead of print.
- Heyne G, Ewens S, Kirsten H, Fakler JKM, Özkurtul O, Hempel G, Krämer S, Struck MF.; Risk factors and outcomes of unrecognised endobronchial intubation in major trauma patients; *Emerg Med J.* 2022 Jul39(7):534-539. doi: 10.1136/emered-2021-211786. Epub 2021 Aug 10.
- Puladi B, Ooms M, Geijtenbeek T, Trinler U, Houschyar KS, Gruber LJ, Motmaen I, Rashad A, Hölzle F, Modabber A.; Tolerable degree of muscle sacrifice when harvesting a vastus lateralis or myocutaneous anterolateral thigh flap; *J Plast Reconstr Aesthet Surg.* 2022 Oct 1877:94-103. doi: 10.1016/j.bjps.2022.10.036. Online ahead of print.
- Mendel T, Ullrich BW, Schenk P, Hofmann GO, Goehre F, Schwan S, Brakopp F, Klauke F.; Perioperative outcome of minimally invasive stabilisation of bilateral fragility fractures of the sacrum: a comparative study of bisegmental transsacral stabilisation versus spinopelvic fixation; *Eur J Trauma Emerg Surg.* 2022 Oct 18. doi: 10.1007/s00068-022-02123-6. Online ahead of print.
- Schnake KJ, Bouzakri N, Hahn P, Franck A, Blattert TR, Zimmermann V, Gonschorek O, Ullrich B, Kandziora F, Müller M, Katscher S, Hartmann F, Mörk S, Verheyden A, Schinkel C, Piltz S, Olbrich A.; Multicenter evaluation of therapeutic strategies of inpatients with osteoporotic vertebral fractures in Germany; *Eur J Trauma Emerg Surg.* 2022 Apr48(2):1401-1408. doi: 10.1007/s00068-021-01708-x. Epub 2021 Jun 2.
- Schulz T, Marotz J, Seider S, Langer S, Leuschner S, Siemers F.; Burn depth assessment using hyperspectral imaging in a prospective single center study; *Burns.* 2022 Aug48(5):1112-1119. doi: 10.1016/j.burns.2021.09.010. Epub 2021 Sep 24.
- Busse D, Borghardt JM, Petroff D, Pevzner A, Dorn C, El-Najjar N, Huisinga W, Wrigge H, Simon P, Kloft C.; Evaluating prediction methods for glomerular filtration to optimise drug doses in obese and nonobese patients; *Br J Clin Pharmacol.* 2022 Jun88(6):2973-2981. doi: 10.1111/bcp.15115. Epub 2021 Nov 11.
- Diener GL, Spahn G, Hofmann GO.; Occupational Stress as a Possible Risk Factor for Rotator Cuff Damage - Systematic Review and Meta-analysis; *Z Orthop Unfall.* 2022 Dec 6. doi: 10.1055/a-1957-6140. Online ahead of print.

- Hanke J, Mendel T, Wingert M, Schenk P, Heinecke M, Wilharm A.; Tranexamic acid in peritrochanteric fractures: a retrospective analysis of perioperative outcomes after fixation with a proximal femoral nail; *BMC Musculoskelet Disord*. 2022 Nov 323(1):950. doi: 10.1186/s12891-022-05889-3.
- Klauke F, Hofmann GO, Mendel T.; [Closed reduction and minimally invasive fixation of a sacral avulsion fracture : Minimal invasiveness with maximum stability]; *Unfallchirurgie (Heidelb)*. 2022 Jun125(6):492-496. doi: 10.1007/s00113-021-01035-1. Epub 2021 Jun 23.
- Näther P, Kersten JF, Kaden I, Irga K, Nienhaus A.; Distribution Patterns of Degeneration of the Lumbar Spine in a Cohort of 200 Patients with an Indication for Lumbar MRI; *Int J Environ Res Public Health*. 2022 Mar 2119(6):3721. doi: 10.3390/ijerph19063721.
- Hilbert-Carius P, Schmalbach B, Wrigge H, Schmidt M, Abu-Zidan FM, Aschenbrenner U, Streibert F.; Do we need pre-hospital resuscitative endovascular balloon occlusion of the aorta (REBOA) in the civilian helicopter emergency medical services (HEMS)?; *Intern Emerg Med*. 2022 Dec 4. doi: 10.1007/s11739-022-03158-8. Online ahead of print.
- Ullrich BW, Ottich M, Lawson McLean A, Mendel T, Hofmann GO, Schenk P.; [Local spinal profile following operative treatment of thoracolumbar and lumbar fractures : Impact of reduction technique and bone quality]; *Unfallchirurg*. 2022 Apr125(4):295-304. doi: 10.1007/s00113-021-01013-7. Epub 2021 Jun 10.
- Girrbach F, Zeutzschel F, Schulz S, Lange M, Beda A, Giannella-Neto A, Wrigge H, Simon P.; Methods for Determination of Individual PEEP for Intraoperative Mechanical Ventilation Using a Decremental PEEP Trial; *J Clin Med*. 2022 Jun 2711(13):3707. doi: 10.3390/jcm11133707.
- Handsach T, Hofmann G, Braunschweig R, Tamouridis G, Siemers F.; [Establishing a standardized diagnostic Procedure for sonographic Imaging and Evaluation of the scapholunate Ligament]; *Handchir Mikrochir Plast Chir*. 2022 Feb54(1):28-37. doi: 10.1055/a-1718-3552. Epub 2022 Feb 15.
- Busse D, Simon P, Petroff D, El-Najjar N, Schmitt L, Bindellini D, Dietrich A, Zeitlinger M, Huisinga W, Michelet R, Wrigge H, Kloft C.; High-Dosage Fosfomycin Results in Adequate Plasma and Target-Site Exposure in Morbidly Obese and Nonobese Nonhyperfiltration Patients; *Antimicrob Agents Chemother*. 2022 Jun 2166(6):e0230221. doi: 10.1128/aac.02302-21. Epub 2022 May 23.
- Karczewski D, Schnake KJ, Osterhoff G, Spiegl U, Scheyerer MJ, Ullrich B, Pumberger M.; Postoperative Spinal Implant Infections (PSII)-A Systematic Review: What Do We Know So Far and What is Critical About It?; *Global Spine J*. 2022 Jul12(6):1231-1246. doi: 10.1177/21925682211024198. Epub 2021 Jun 21.
- Ernstberger A, Reske SU, Brandl A, Kulla M, Huber-Wagner S, Popp D, Kerschbaum M, Dendl LM, Braunschweig R, Schreyer AG.; Structural and Process Data on Radiological Imaging in the Treatment of Severely Injured Patients - Results of a Survey of Level I and II Trauma Centers in Germany; *Rofo*. 2022 May194(5):505-514. doi: 10.1055/a-1682-7377. Epub 2021 Dec 15.
- Broida SE, Murakami K, Abedi A, Meisel HJ, Hsieh P, Wang J, Jain A, Buser Z, Yoon ST AO Spine Knowledge Forum Degenerative.; Clinical risk factors associated with the development of adjacent segment disease in patients undergoing ACDF: A systematic review; *Spine J*. 2023 Jan23(1):146-156. doi: 10.1016/j.spinee.2022.08.011. Epub 2022 Aug 27.
- Struck MF, Kleber C, Ewens S, Ebel S, Kirsten H, Krämer S, Schob S, Osterhoff G, Girrbach F, Hilbert-Carius P, Ondruschka B, Hempel G.; Chest Tube Placement in Mechanically Ventilated Trauma Patients: Differences between Computed Tomography-Based Indication and Clinical Decision; *J Clin Med*. 2022 Jul 1311(14):4043. doi: 10.3390/jcm11144043.

- Lautenschläger M, Braun D, Wrigge H, Hossfeld B, Streibert F, Hilbert-Carius P.; [Tourniquet use in the Helicopter Emergency Medical Service : Analysis based on data of the DRF Luftrettung (German Air Rescue) in the period 2015-2020]; *Anaesthesist*. 2022 Apr71(4):264-271. doi: 10.1007/s00101-021-01021-7. Epub 2021 Aug 24.
- Dorn C, Petroff D, Kratzer A, Kees F, Kloft C, Zeitlinger M, Wrigge H, Simon P.; Tigecycline Soft Tissue Penetration in Obese and Non-obese Surgical Patients Determined by Using In Vivo Microdialysis; *Eur J Drug Metab Pharmacokinet*. 2022 Sep47(5):749-755. doi: 10.1007/s13318-022-00789-2. Epub 2022 Aug 9.
- Oldenburger A, Teschler H, Teschler S, Ernst F, Goergens A.; [Effects of Outpatient Compact Rehabilitation on Physical Performance and Quality of Life in Patients with Work-Related Lung Diseases]; *Pneumologie*. 2022 Jan76(1):35-46. doi: 10.1055/a-1627-1497. Epub 2021 Oct 28.
- Muhammad S, Rezai Jahromi B, Kaukovalta H, Schwartz C, Hijazy F, Goehre F, Kozyrev DA, Kivisaari R, Hänggi D, Niemelä M.; Anatomic Risk Factors for S1 Segment Superior Cerebellar Artery Aneurysm Rupture: A Radiologic Study on 81 Consecutive Patients; *World Neurosurg*. 2022 Feb158:e344-e351. doi: 10.1016/j.wneu.2021.10.177. Epub 2021 Nov 2.
- Klos K, Lenz M, Hofmann GO, Schubert W, Knobe M, Roth KE, Simons P, Aurich M.; The Correction Potential of the Lateral Release of the Hallux Valgus: A Comparative Anatomical Study of Minimally Invasive Versus Open Surgical Technique Using a Dorsal Approach; *Indian J Orthop*. 2022 Jan 1356(5):887-894. doi: 10.1007/s43465-021-00575-3. eCollection 2022 May.
- Snyder RJ, Driver V, Cole W, Joseph WS, Reyzelman A, Lantis II JC, Kaufman J, Wild T.; Topical autologous blood clot therapy: an introduction and development of consensus panel to guide use in the treatment of complex wound types; *Wounds*. 2022 Sep34(9):223-228. doi: 10.25270/wnds/22011.
- Ellenberger C, Pelosi P, de Abreu MG, Wrigge H, Diaper J, Hagerman A, Adam Y, Schultz MJ, Licker M PROBESE investigators, of the PROtective VEntilation Network (PROVENet) Clinical Trial Network of the European Society of Anaesthesiology and Intensive Care (ESAIC).; Distribution of ventilation and oxygenation in surgical obese patients ventilated with high versus low positive end-expiratory pressure: A substudy of a randomised controlled trial; *Eur J Anaesthesiol*. 2022 Nov 139(11):875-884. doi: 10.1097/EJA.0000000000001741. Epub 2022 Sep 12.
- Aurich M, Hofmann GO, Best N.; Reconstruction of the Coracoacromial Ligament during a Modified Latarjet Procedure for the Treatment of Shoulder Instability: Clinical Outcome at Minimum 5 Years Follow-Up; *Z Orthop Unfall*. 2022 Feb160(1):27-34. doi: 10.1055/a-1237-4642. Epub 2020 Aug 27.
- Osterhoff G, Rappert D, Scheyerer MJ, Disch AC, Ullrich BW, Spiegl UA, Schnake KJ Arbeitsgruppe „Osteoporotische Frakturen“ und „Tumore“ der Sektion Wirbelsäule der Deutschen Gesellschaft für Orthopädie und Unfallchirurgie.; [Value of routine transpedicular biopsies in kyphoplasty and vertebroplasty for vertebral compression fractures : A survey among 250 spine surgeons]; *Unfallchirurgie (Heidelb)*. 2022 Jul 15. doi: 10.1007/s00113-022-01210-y. Online ahead of print.
- Busse D, Simon P, Schmitt L, Petroff D, Dorn C, Dietrich A, Zeitlinger M, Huisinga W, Michelet R, Wrigge H, Kloft C.; Comparative Plasma and Interstitial Tissue Fluid Pharmacokinetics of Meropenem Demonstrate the Need for Increasing Dose and Infusion Duration in Obese and Non-obese Patients; *Clin Pharmacokinet*. 2022 May61(5):655-672. doi: 10.1007/s40262-021-01070-6. Epub 2021 Dec 11.
- Bourguignon L, Tong B, Geisler F, Schubert M, Röhrich F, Saur M, Weidner N, Rupp R, Kalke YB, Abel R, Maier D, Grassner L, Chhabra HS, Liebscher T, Cragg JJ EMSCI study group Kramer J, Curt A, Jutzeler CR.;

International surveillance study in acute spinal cord injury confirms viability of multinational clinical trials; BMC Med. 2022 Jun 14;20(1):225. doi: 10.1186/s12916-022-02395-0.