2026

Barapatre N, Frank, HG. Quantitative human placental imaging: Concepts, technologies, and the persistent challenge of the villous tree. Placenta 2026 https://doi.org/10.1016/j.placenta.2026.04.011

Barapatre N, Halm L, Schmitz C, von Koch F, Kampfer C, Frank HG. Structural Alterations in the Placental Villous Tree in Well-Controlled Gestational Diabetes Mellitus. Placenta 2026 https://doi.org/10.1016/j.placenta.2026.01.010

Behrangi N, Stadler MS, Reinbach C, Burkert L, Hawlitschka A, Kaddatz H, Wenzel L, Llovera G, Wree A, Hoornaert C, Ponsaerts P, Splietker U, Brandenburg LO, Amor S, Tauber SC, Bohn A, Schmitz C, Kipp M, Hochstrasser T. CD44 as a Conserved Biomarker and Functional Modulator of Neuroinflammation. Mol Neurobiol 2026 4;63:805. doi: 10.1007/s12035-026-06107-0 PMID 42547581

Chitnis M, Kaub L, Vďačný P, Beiers LM, Sturm S, Coskun ÖK, Mills DB, Gomez-Saez GV, Mengue L, Gottschaldt KD, Gilder SA, Obert T, Rurik I, Sturm EV, Orsi WD. Magnetotaxis in an anaerobic ciliate via tripartite syntrophy. Proc Natl Acad Sci U S A 2026;123(30):e2609513123. doi: 10.1073/pnas.2609513123

Herwanger L, Sternecker K, Kühnisch J, Reichl FX, Högg C. Migration of bisphenol A from commercially available pacifiers: HPLC-FLD analysis and exposure assessment in infants and toddlers. Environ Sci Pollut Res 2026. https://doi.org/10.1007/s11356-026-37444-1

Hochstrasser T, Kaub L, Schmitz C. Rapsyn homolog RPY-1 modulates locomotor responses of *Caenorhabditis elegans* to radial extracorporeal shock waves. Biomedicines 2026;14(5):960. doi: 10.3390/biomedicines14050960

Imamura M, Sugawara AT, Santos ACA, Siqueira JO, Silveira PSP, Schmitz C, Battistella LR. Radial extracorporeal shock wave therapy improves upper limb function in chronic stroke patients: a randomized sham-controlled trial. Clinics (Sao Paulo) 2026 81:101034. PMID 42424664

Kaub L, Schmitz C, Nussbaum-Krammer C. Low-Field Nuclear Magnetic Resonance-Based Stimulation: A Physical Framework and Research Agenda for Deep-Tissue, Non-Thermal Biophysical Interaction. Preprints 2026, 2026060549. https://doi.org/10.20944/preprints202606.0549.v1

Krpan D, Monajati A, Yasmeen A, Benn A, Atef Shenouda R, Hof PR, Kipp M, Mamisch TC, Schreiner AJ, Maffulli N, Schmitz C. Nuclear magnetic resonance therapy for deep-tissue biophysical stimulation: an integrated clinical and molecular analysis. https://www.preprints.org/manuscript/202602.0948

Lorenzo DA, Gallero-Salas Y, Panzeri M, Wahl AS, Gilad A, Lewis CM, Helmchen F. Layer-specific wide-field calcium imaging of neocortical activity. bioRxiv 2026 https://www.biorxiv.org/content/10.64898/2026.04.28.721258v1

Maier M, Maier LPN, Hackl S, Eckermann NJ, Maffulli N, Barapatre N, Schmitz C. At times, hunters should beware. Trauma from wild boar encounters during hunting: a nationwide survey in Germany with a systematic literature review. doi 10.20944/preprints202601.1661.v2

Maier M, Maier LPN, Hackl S, Schmitz C, Maffulli N. Wild-boar–related injuries in wilderness environments: evidence review, field-oriented management principles and clinical recommendations. doi https://doi.org/10.20944/preprints202603.0054.v1

Stoeckelhuber M, Wolff KD, Kesting MR, Loeffelbein DJ, Schmitz C, Ritschl LM. Immunohistochemical labeling of carbonic anhydrase isoenzymes in labial glands of infants. BIOTECHNIC & HISTOCHEMISTRY 2026 https://doi.org/10.1080/10520295.2026.2618820

Tittelmeier J, Sandhof C, Martin N, El-Kabarity D, Ngonza-Nito SB, Melki R, Nussbaum-Krammer C. Disruption of sphingolipid metabolism promotes tau seeding through endolysosomal membrane rigidification and rupture. 2026; *eLife***14**:RP106865 https://doi.org/10.7554/eLife.106865.2

Wang Z, Tang L, Wang N, Huang L, Schmitz C, Zhou J, Zhao Y, Chen K, Ma Y. Radial extracorporeal shock wave therapy versus multimodal physical therapy in non-traumatic (degenerative) rotator cuff tendinopathy with partial supraspinatus tear: a randomized controlled trial. J Clin Med: in press

2025

Barapatre N, Frank HG. Three-dimensional microarchitecture of the human placental villous tree in health and disease. Front. Cell Dev. Biol., 10 September 2025, Volume 13 - 2025 https://doi.org/10.3389/fcell.2025.1639740

Barapatre N, Frank D, Edler von Koch F, Grundmann S, Frank HG, Bruschewski M. High-resolution MRI reveals uteroplacental flow dynamics in a 3D-printed human placental cotyledon model. Science Advances 2025; 22;11(34)753 doi: 10.1126/sciadv.adw9753.

Barapatre N, Schmitz C, Edler v. Koch F, Frank HG. The Microscopic Anatomy of the Placental Villous Tree in Health and Disease. Ann. Anat. 2025;260,152407 https://doi.org/10.1016/j.aanat.2025.152407

Crupnik J, Silveti S, Wajnstein N, Rolon A, Wuerfel T, Stiller T, Morral A, Furia JP, Maffulli N, Schmitz C. Radial ESWT combined with a specific rehabilitation program (rESWT+RP) is more effective than sham rESWT+RP for acute hamstring muscle complex injury type 3b: a randomized, controlled trial. Brit Med Bull 2025;155;1-15 https://doi.org/10.1093/bmb/ldaf009

Desai J, Huyghe E, Maffulli GD, Nussbaum-Krammer C, Tittelmeier J, Schmitz C. Extracorporeal shock wave therapy for erectile dysfunction: rethinking study design, implementation, and analysis, British Medical Bulletin. 2025;154(1) ldaf004, https://doi.org/10.1093/bmb/ldaf004

Heiser H, Kiessler F, Roggenbach A, Ibanez V, Wieckhorst M, Helmchen F, Gjorgjieva J, Wahl AS. Brain-wide microstrokes affect the stability of memory circuits in the hippocampus. Nat Commun 16, 2025;3462 https://doi.org/10.1038/s41467-025-58688-4

Hochstrasser H, Kaub L, Maier L, Angstman NB, Kenmoku T, Nussbaum-Krammer C, Schmitz C. Behavioral changes in *Caenorhabditis elegans* after exposure to radial extracorporeal shock waves. J Clin Med 2025;14(20):7206; https://doi.org/10.3390/jcm14207206

Jäger S, Tittelmeier J, Dang TL, Bellande T, Redeker V, Buell AK, Hennig J, Melki R, Nussbaum-Krammer C, Bukau B, Wentink AS. Structural polymorphism of α-synuclein fibrils alters the pathway of Hsc70-mediated disaggregation. EMBO J 2025. https://doi.org/10.1038/s44318-025-00573-3

Kaub L, Gilder S, Fu R, Maher B, Maxemin G, Kuan A, Büttner A, Milz S, Schmitz C. Magnetic dipole imaging of magnetite nanoparticles in brain tissue. RSC Adv 2026;16;983. DOI: 10.1039/d5ra08546b

Kaub L, Milz S, Barapatre N, Büttner A, Michalke B, Schmitz C, Gilder SA. Magnetic iron-oxide nanoparticles in the brain connected to alcohol-associated liver disease. *Sci Rep* 2025;24505 https://doi.org/10.1038/s41598-025-09756-8

Lima J, Rengarajan S, Wahl AS, Srivatsan A, Strittmatter M, Carmichael ST, Georg PM, Sheth KM, Schwab ME, Lansberg MG. Preclinical Evidence of Nogo-A Inhibition in Stroke Recovery: A Scoping Review. Stroke 2025 https://doi.org/10.1161/STROKEAHA.124.049361

Mayadali ÜS, John M, Abspacher M, Schmitz C, Shaikh AG, Horn AKE. Transmitter- and ion channel profiles of saccadic omnipause neurons and cholinergic non-omnipause neurons in human nucleus raphe interpositus. Front Neuroanat 2025; 19. https://doi.org/10.3389/fnana.2025.1670220

Nussbaum-Krammer C, Musolf BM, O'Neil M, Wuerfel T, Maffulli N, Schmitz C. Extracorporeal shock wave therapy for wound management: a comprehensive systematic review of clinical evidence, modalities and mechanisms. medRxiv preprint 2025. https://doi.org/10.1101/2025.07.28.25332291
Panzeri M, Thiem N, Hoffmann C, Schillinger U, Barapatre N, Musall S, Helmchen F, Wahl AS. Contralesional activity reflects compensation, while brainstem detour pathways support skilled motor recovery after stroke. bioRxiv preprint 2025 https://doi.org/10.1101/2025.11.24.690099

Vollhardt A, Frölich L, Stockbauer AC, Danek A, Schmitz C, Wahl AS. Towards a better diagnosis and treatment of dementia: Identifying common and distinct neuropathological mechanisms in Alzheimer's and vascular dementia. Neurobiol Dis. 2025 May;208:106845. doi: 10.1016/j.nbd.2025.106845. Epub 2025 Feb 24. PMID 39999928

Sandhof CA, Martin N, Tittelmeier J, Schlueterd A, Pezzalia M, Schoendorf DC, Lange T, Reinhardt P, Riede JS, Liang S, Uzunoglu G, Gasparinid L, Jahn TR, Ehrnhoefer DE, Nussbaum-Krammer C. A novel C. elegans model for MAPT/Tau spreading reveals genes critical for endolysosomal integrity and seeded MAPT/Tau aggregation. Autophagy 2025;21:2963-2981. PMID 40851193

Schmitz C, Crupnik J, Morgan D, Maffulli N, Morral A. Letter to the editor: in radial extracorporeal shock wave therapy, energy matters. Clin Rehab: in press https://doi.org/10.20944/preprints202501.0896.v1

Schmitz C, Alt C, Wuerfel T, Milz S, Dinzey J, Hill A, Sikes K, Burton K, Easley J, Stewart HL, Puttlitz CM, Gadomski BC, Labus K, Pearce DA, Maffulli N, Alt EU. Regeneration of biomechanically functional tendon tissue fol-lowing injection of uncultured, autologous, adipose-derived regenerative cells into partial Achilles tendon defects in rabbits. Int J Mol Sc. 2025;26:6800

Tittelmeier J, Kaub L, Milz S, Kugelmann D, Hof PR, Schmitz C, Nussbaum-Krammer C. Insufficient low-level near infrared light penetration challenges the efficacy of transcranial photobiomodulation. Brain Stimu 18 1220-1223 2025. https://doi.org/10.1016/j.brs.2025.07.001

Tittelmeier J, Nussbaum-Krammer C. Broken Balance: Emerging Cross-Talk Between Proteostasis and Lipostasis in Neurodegenerative Diseases. Cells 2025;14,845. https://doi.org/10.3390/cells14110845

Tittelmeier J, Sandhof CA, Martin N, El-Kabarity D, Ngonza-Nito SB, Melki R, Nussbaum Krammer C. Sphingolipid imbalance aggravates tau pathology by endomembrane rigidification and rupture. Life 2025 14:RP106865 https://doi.org/10.7554/eLife.106865.1

Tittelmeier J, Seeber H, Grasse D, Barapatre N, Schmitz C, Krentel D, Grobert S, Nussbaum-Krammer C. Explosive shock wave exposure leads to age-accelerated motor and sensory decline in *C. elegans*. bioRxiv preprint 2025 https://doi.org/10.64898/2025.12.19.695190

2024

Barapatre N, Hansen L, Kampfer C, Rübelmann T, Schmitz C, von Koch F, Frank HG. Trophoblast Proliferation is higher in Female than in Male Preeclamptic Placentas. Placenta 2024;8:158:310-317 PMID 39549434

Darici D, Flägel K, Sternecker K, Missler M. Transfer of learning in histology: Insights from a longitudinal study. Anat Sci Educ. 2024;17(2):274-286. doi: 10.1002/ase.2363. PMID 38158384

Desai J, Huyghe E, Maffulli GD, Nussbaum C, Tittelmeier J, Schmitz C. Extracorporeal shock wave therapy for erectile dysfunction: rethinking study design, implementation, and analysis. Brit Med Bull 2025,154(1):ldaf004

Fleischhacker E, Sprecher CM, Milz S, Saller MM, Wirz R, Zboray R, Parrilli A, Gleich J, Siebenbürger G, Böcker W, Ockert B, Helfen T. Inflammatory tissue response in human soft tissue is caused by a higher particle load near carbon fiber-reinforced PEEK compared to titanium plates. Acta Biomater 2024;1742-7061(24)00195-8. doi: 10.1016/j.actbio.2024.04.023. Online ahead of print. PMID 38636789

Halm L, Schmitz C, Edler v. Koch F, Frank HG, Barapatre N. Investigating Villous Tree Alterations in Gestational Diabetes: Beyond Macrosomia. Placenta 2024;154:e32 https://doi.org/10.1016/j.placenta.2024.07.146

Heiser H, Kiessler F, Roggenbach A, Ibanez V, Wieckhorst M, Helmchen F, Gjorgjieva J, Wahl AS. Brain-wide microstrokes affect the stability of memory circuits in the hippocampus. 2024 bioRxiv https://doi.org/10.1101/2024.09.17.612757

Lima JEE, Rengarajan S, Wahl AS, George P, Sheth K, Lansberg M. Preclinical Data for Nogo Inhibition in Stroke Recovery: A Scoping Review (P2-5.026). Neurology 2024;102;17. https://www.neurology.org/doi/10.1212/WNL.0000000000205821

Pieringer AM, Milz S, Imhoff AB, Vogt S. Influence of cartilage defects and a collagen gel on integrity of corresponding intact cartilage: a biomechanical in-vitro study. Arch Orthop Trauma Surg. 2024;144:4309-4317. doi: 10.1007/s00402-024-05530-z PMID 39402141

Ratz-Wirsching V, Habermeyer JK, Moceri S, Harrer J, Schmitz C, von Horsten S. Gene-dosage-and sex-dependent differences in the prodromal-like phase of the F344tgHD rat model for Huntington Disease. Front Neurosci 2024;7:18:1354977 doi: 10.3389/fnins.2024.1354977 PMID 38384482

Sandhof CA, Martin N, Tittelmeier J,Schlueter A, Pezzali M, Schoendorf DC, Lange T, Reinhardt P, Ried JS, Liang S, Uzunoglu G, Gasparini L, Jahn TR, Ehrnhoefer DE, Nussbaum-Krammer C. A Novel *C. elegans* Model for Tau Spreading Reveals Genes Critical for Endolysosomal2 Integrity and Seeded Tau Aggregation 2024 bioRxiv https://doi.org/10.1101/2024.11.13.619586

Schader JF, Helfen T, Braunstein T, Ockert B, Haasters F, Hertel R, Südkamp N, Milz S, Sprecher CM. Experimental guide wire placement for total shoulder arthroplasty in glenoid models: higher precision for patient-specific aiming guides compared to standard technique without learning curve. BMC Musculoskeletal Disorders. 2024;6;25(1):449. doi: 10.1186/s12891-024-07549-0 PMID 38844899

Schmitt A, Ammann K, Vollhardt A, Schneider-Axmann T, Raabe D, Yakimov V, Heinsen H, Hof PR, Falkai P, Schmitz C. Reduced number of oligodendrocytes in the cingulum in schizophrenia: a design-based stereology study. J Biomed Res Environm Sci 2024; 5(9): 1089-1103. https://dx.doi.org/10.37871/jbres1994

Stele A, Seisenbacher C, Kaub L, Häußler G, Linck R. Small change, big consequence: Extended landing gear provides high quality drone-based magnetic data. Dezember 2024 Conference Paper Recent Advances in Archaeological Geophysics

Tittelmeier J, Sandhof CA, Martin N, El-Kabarity D, Ngonza-Nito SB, Melki R, Nussbaum-Krammer C. Sphingolipid imbalance aggravates fibrillar Tau-induced endomembrane rigidification and rupture. BioRxiv October 25, 2024 https://doi.org/10.1101/2024.10.24.619578

Wahl AS, Heiser H, Kiessler F, Roggenbach A, Ibanez V, Wieckhorst M, Helmchen F, Gjorgjieva J. Brain-wide microstrokes affect the stability ofmemory circuits in the hippocampus. Research Square 2024. https://doi.org/10.21203/rs.3.rs-5102494/v1

2023

Borchert L, Barapatre N, Kampfer C, Henschen S, Schmitz C, Edler von Koch F, Frank HG. Villous Trees in PE and FGR are altered in diverging, sexually dimorphic and syndrome specific patterns. Placenta 2023 140:e15. https://doi.org/10.1016/j.placenta.2023.07.063

Brugger BA, Neuper L, Guettler J, Forstner D, Wernitznig S, Kummer D, Lyssy F, Feichtinger J, Krappinger J, El-Heliebi A, Bonstingl L, Moser G, Rodriguez-Blanco G, Bachkönig OA, Gottschalk B, Gruber M, Nonn O, Herse F, Verlohren S, Frank HG, Barapatre N, Kampfer C, Fluhr H, Desoye H, Gauster M. Fluid shear stress induces a shift from glycolytic to amino acid pathway in human trophoblasts. Cell & Biosciences 2023;13:1613 https://doi.org/10.1186/s13578-023-01114-3

Correa D, Scheuber MI, Shan H, Weinmann OW, Baumgartner YA, Harten A, Wahl AS, Skaar KL, Schwab ME. Intranasal delivery of full-length anti-Nogo-A antibody: A potential alternative route for therapeutic antibodies to central nervous system targets. Proc Natl Acad Sci USA 2023;24;120. PMID 36649432

Gaus R, Popal M, Heinsen H, Schmitt A, Falkai P, Hof PR, Schmitz C, Vollhardt A. Reduced cortical neuron number and neuron density in schizophrenia with focus on area 24: a post-mortem case-control study. Eur Arch Psychiatry Clin Neurosci 2023;273(6):1209-1223 PMID 36350376

Gewiess J, Sprecher C, Milz S, Gleich J, Helfen T. Osseous microarchitecture in frequent fracture zones of the distal clavicle. JSES International 2023;7:98-103. PMID 36820417

Ibañez V, Bohlen L, Manuella F, Mansuy I, Helmchen F, Wahl AS. EXPLORE: a novel deep learning-based analysis method for exploration behaviour in object recognition tests. Sci Rep 2023;14;13(1):4249. PMID 36918658

Jokinen LLJ, Wuerfel T, Schmitz C. Commentary: "Application of extracorporeal shock wave therapy in nervous system diseases: A review". Front Neurol https://doi.org/10.3389/fneur.2023.1281684

Kaub L, Schmitz C. Comparison of the penetration depth of 905 nm and 1064 nm laser light in surface layers of biological tissue ex vivo. Biomedicines 2023;11(5)1355 PMID 37239026

Kaub L, Schmitz C. Higher penetration depth of 1064 nm compared to 905 nm laser light into biological tissue is only relevant for surface layers and insignificant for 10 mm tissue depth onwards. Preprints 2023, 2023030176. https://doi.org/10.20944/preprints202303.0176.v1

Kaub L, Schmitz C. Spread of the Optical Power Emission of Three Units Each of Two Different Laser Therapy Devices Used in Sports Medicine, Which Cannot Be Assessed by the Users, Shown by Means of High-Fidelity Laser Measurement Technology. Biomedicines 2023 Feb 16;11(2):585. doi: 10.3390/biomedicines11020585. PMID 36831122

Kaub L, Stele A, Linck R, Fassbinder JWE. Magnetic Surveying for Archaeology Using Drones. Conference Paper. Conference: AGU Fall Meeting 2023, San Francisco, CA, USA

Lundeen M, Hurd JL, Hayes M, Hayes M, Facile TR, Furia JP, Maffulli N, Alt C, Alt EU, Schmitz C, Pearce DA. Management of partial-thickness rotator cuff tears with autologous adipose-derived regenerative cells is safe and more effective than injection of corticosteroid. Sci Rep 2023;13(1):19348 PMID 37935850

Praus P, Proctor T, Rohrmann T, Benedyk A, Tost H, Hennig O, Meyer-Lindenberg A, Wahl AS. Female sex and burden of depressive symptoms predict insufficient response to telemedical treatment in adult attention-deficit/hyperactivity disorder: results from a naturalistic patient cohort during the COVID-19 pandemic. Front Psychiatry 2023;14:1193898. PMID 37867771

Reinhardt N, Schmitz C, Milz S, de la Fuente M. Influence of the skull bone and brain tissue on the sound field in transcranial extracorporeal shock wave therapy: an ex vivo study. Biomed Tech 2023; doi: 10.1515/bmt-2022-0332. PMID 37732512

Schmitz C, Alt C, Alt EU. Management of knee pain in osteoarthritis with orthobiologics and corticosteroid injection: more questions than answers. Preprints 2023, 2023111081. https://doi.org/10.20944/preprints202311.1081.v1

Stehle A, Kaub L, Linck R, Schikarra M, Fassbinder JWE. Drone-based magnetometer prospection for archaeology. J Archeol Science 2023;158:105818. https://doi.org/10.1016/j.jas.2023.105818

Stoeckelhuber M, Grill FD, Wolff KD, Kesting MR, Wolff CT, Fichter AM, Loeffelbein DJ, Schmitz C, Ritschl L. Infantile human labial glands: distribution of aquaporins and claudins in the context of paracellular and transcellular pathways. Tissue and Cell 2023;82:102052. PMID 36905859

Vollhardt A, Frölich L, Stockbauer AC, Danek A, Schmitz C, Wahl AS. Towards a Better Diagnosis and Treatment of Dementia: Identifying Common and Distinct Neuropathological Mechanisms in Alzheimer's Disease and Vascular Dementia. Preprints 2023 doi: 10.20944/preprints202309.1473.v1

2022

Dhein J, Haller C, Reichl FX, Milz S, Hickel R, Kollmuss M, Högg C. Intranuclear cell uptake and toxicity of titanium dioxide and zirconia particles as well as bacterial adhesion on dental titanium- and zirconia-implants. Dent Mater 2022;28(3):517-528. PMID 34991888

Finn D, Wack M, Kaub L, Gilder S, Coe R, Schillinger W, Branney M. A case for adopting the magnetic core alternating field demagnetizer. IRM Quarterly 2022;30(4):1,9-14

Fleischhacker E, Sprecher CM, Milz S, Saller MM, Gleich J, Siebenbürger G, Helfen T, Böcker W, Ockert B. Functional outcomes before and after implant removal in patients with posttraumatic shoulder stiffness and healed proximal humerus fractures: does implant material (PEEK vs. titanium) have an impact? - a pilot study. BMC Musculoskelet Disord. 2022;23(1):95. PMID 35086539

Fuia JP, Lundeen MA, Hurd JL, Pearce DA, Alt C, Alt U, Schmitz C, Maffulli N. Why and how to use the body's own stem cells for regeneration in musculoskeletal disorders: a primer. J Orthop Surg Res 2022;17(1):36 PMID 35062984

Gaus R, Popal M, Heinsen H, Schmitt A, Falkai P, Hof PR, Schmitz C, Vollhardt A. Reduced cortical neuron number and neuron density in schizophrenia with focus on area 24: a post-mortem case-control study. Eur Arch Psychiatry Clin Neurosci 2022 Nov 9. doi: 10.1007/s00406-022-01513-6

Kaub L, Schmitz C. More than ninety percent of the light energy emitted by near-infrared laser therapy devices used to treat musculoskeletal disorders is absorbed within the first ten millimeters of biological tissue. Biomedicines 2022;10(12):3204. PMID 36551959

Liu F, Reichl FX, Milz S, Wölfle C, Kühnisch J, Schmitz C, Geist J, Hickel R, Högg C, Sternecker K. Disrupted biomineralization in zebra mussels after exposure to bisphenol-A: Potential implications for molar-incisor hypomineralization. Dent Mater 2022;38(4):689-699. PMID 35279299

Lundeen M, Hurd JL, Hayes M, Hayes M, Facile TR, Furia JP, Maffulli N, Alt C, Alt EU, Schmitz C, Pearce DA. Long-term safety and efficacy of treating symptomatic, partial-thickness rotator cuff tears with fresh, uncultured, unmodified, autologous, adipose-derived regenerative cells isolated at the point of care: 40 months follow-up of a prospective, randomized, controlled, first-in-human clinical trial. medRxiv 2022.12.14.22283447. https://doi.org/10.1101/2022.12.14.22283447

Müller AL, Brockmüller A, Schmitz C, Shakibaei M. Extrakorporale Stoßwellen und Phytopharmaka bei Tendinopathien: Molekulare Grundlagen für erfolgreiche Kombinationstherapien. sportärztezeitung: online

Rohrmann T, Praus P, Proctor T, Benedyk A, Tost H, Hennig O, Meyer-Lindenberg A, Wahl A. Patients with affective disorders profit most from telemedical treatment: Evidence from a naturalistic patient cohort during the COVID-19 pandemic. Front. Psychiatry 2022;13:971896. PMID 36532188

Schmitt A, Tatsch L, Vollhardt A, Schneider-Axmann T, Raabe FJ, Roell L, Heinsen H, Hof PR, Falkai P, Schmitz C. Decreased oligodendrocyte number in hippocampal subfield CA4 in schizophrenia: a replication study. Cells 2022;11(20):3242. PMID 36291109

Schmitz C. Was ist ein Fersensporn und was kann man dagegen tun? Reader ‘s Digest 2022;10:27

Schmitz C. No distinction between studies with and without local anesthesia (comment on Surace SJ, Deitch J, Johnston RV, Buchbinder R. Shock wave therapy for rotator cuff disease with or without calcification. Cochrane Database Syst Rev 2020;3(3):CD008962). Published 2022 https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD008962.pub2/read-comments

Schmitz C. Overview on extracorporeal shock wave therapy. In: Sun T, Feng Z, Song W, Xing G, Schmitz C (eds): Extracorporeal Shock Wave Therapy for Musculoskeletal Pain. China, Summer/Fall 2022

Schmitz C. Clinical application of extracorporeal shock wave therapy (indications, contraindications, precautions). In: Sun T, Feng Z, Song W, Xing G, Schmitz C (eds): Extracorporeal Shock Wave Therapy for Musculoskeletal Pain. China, Summer/Fall 2022

Schmitz C. Intra-articular injections of mesenchymal stem cells without adjuvant therapies for knee osteoarthritis: a systematic review and meta-analysis: Letter to the Editor. Am J Sports Med 2022;50(12):NP48-NP49. PMID 36177754

Schmitz C, Alt C, Pearce DA, Furia JP, Maffulli N, Alt EU. Methodological flaws in meta-analyses of clinical studies on the management of knee osteoarthritis with stem cells: a systematic review. Cells 2022;11(6):965 PMID 35326416

Schmitz C, Morgan J. Profi-Sport: Bessere Prophylaxe durch radiale Extrakorporale Stoßwellentherapie. LMU News. März 2022

Schmitz C, Würfel T, Alt C, Alt EU. Behandlung von Sehnenrupturen mit Stammzellen: eine aktuelle Übersicht. Obere Extremität 2022;17:141–153

Shrivastava A, Sandhof CA, Reinle K, Jawed A, Ruger-Herreros C, Schwarz D, Creamer D, Nussbaum-Krammer C, Mogk A, Bukau B. The cytoprotective sequestration activity of small heat shock proteins is evolutionarily conserved. J Cell Biol 2022;221(10)e202202149. PMID 36069810

Suputtitada A, Chen CPC, Ngamrungsiri N, Schmitz C. Effects of repeated injection of 1% lidocaine vs. radial extra-corporeal shock wave therapy for treating myofascial trigger points: a randomized controlled trial. Medicina 2022;58(4):479 PMID 35454318

Tittelmeier J, Druffel-Augustin S, Alik A, Melki R, Nussbaum-Krammer C. Dissecting aggregation and seeding dynamics of α-Syn polymorphs using the phasor approach to FLIM. Comm Biol 2022;8;5(1):1345. PMID 36477485

Vankriekelsvenne E, Chrzanowski U, Manzhula K, Greiner T, Wree A, Hawlitschka A, Llovera G, Zhan J, Joost S, Schmitz C, Ponsaerts P, Amor S, Nutma E, Kipp M, Kaddatz H. Transmembrane protein 119 is neither a specific nor a reliable marker for microglia. Glia 2022;70:1170–1190. PMID 35246882

Voisine C, Nussbaum-Krammer C. Using C. elegans to monitor proteostasis imbalances. J Vis Exp 2022;(186):e64643

Wahl AS, Bauer AQ, Allegra Mascaro AL. Editorial: Optical imaging and neurorehabilitation strategies after stroke. Front Hum Neurosci 2022;16:999725. PMID 36118970

Wu W, Geist, J, Beggel S, Schmitz C, Milz S, Sternecker K. Immunohistochemical detection of various proteoglycans in the extracellular matrix of zebra mussels. Fishes 2022;7(2):74 PMID 34863222

Wuerfel T, Schmitz C, Jokinen LLJ. Effects of exposure of musculoskeletal tissue to extracorporeal shock waves. biomedicines 2022;10(5):1084 PMID 35625821

Würfel T, Schmitz C, Jokinen L. Mode of action of extracorporeal shock wave therapy. In: Sun T, Feng Z, Song W, Xing G, Schmitz C (eds): Extracorporeal Shock Wave Therapy for Musculoskeletal Pain. China, Summer/Fall 2022

Yang Y, Kang J, Jiang T, Schmitz C, Weng C, Zhang L. Safety and efficacy of treating post-burn pathological scars with extracorporeal shock wave therapy: A meta-analysis of randomised controlled trials. Wound Repair Regen 2022;30(5):595-607. PMID 35691021

2021

Alt E, Rothoerl R, Hoppert M, Frank HG, Wuerfel T, Alt C, Schmitz C. First immunohistochemical evidence of human tendon repair following stem cell injection: A case report and review of literature. World J Stem Cells 2021;13(7):944-970. PMID 34367486

Alt E, Schmitz C, Bai X. Perspective: Why and how ubiquitously distributed, vascular-associated, pluripotent stem cells in the adult body (vaPS cells) are the next generation of medicine. Cells 2021;10(9):2303. PMID 34571951

Barapatre N, Kampfer C, Henschen S, Schmitz C, Edler von Koch F, Frank HG. Growth restricted placentas show severely reduced volume of villous components with perivascular myofibroblasts. Placenta 2021;109:19-27. PMID 33945894

Frank HG. Histologie für Dummies. Wiley-VCH (Verlag) 2021. ISBN 978-3-527-71756-9 (eBook ISBN 978-3-527-82788-6)

Frank HG, Sternecker K. Histologi@: Zytologie, Histologie und Mikroskopische Anatomie. Skript und kommentierter Lernzielkatalog zu histologischen Kursen für Studierende der Zahn- und Humanmedizin. [Überarbeitete Neuauflage]. München: Anatomische Anstalt der LMU München. 2021. https://epub.ub.uni-muenchen.de/76443/

Gleich J, Milz S, Ockert B. [Principles of tendon healing at the shoulder and consequences for their treatment : Importance of platelet-rich plasma and regenerative medicine]. Unfallchirurg. 2021;124:89-95. PMID 33346862

Guo X, Li L, Yan Z, Li Y, Peng Z, Yang Y, Zhang Y, Schmitz C, Feng Z. Efficacy and safety of treating chronic nonspecific low back pain with radial extracorporeal shock wave therapy (rESWT), rESWT combined with celecoxib and eperisone (C + E) or C + E alone: a prospective, randomized trial. J Orthop Surg Res 2021;16:705 (https://doi.org/10.1186/s13018-021-02848)

Habermeyer J, Boyken J, Dobner J, Canneva F, Ratz V, Moceri S, Admard J, Casadei N, Jost G, Bäuerle T, Frenzel T, Schmitz C, Schütz G, Pietsch H, von Hörsten S. Comprehensive phenotyping revealed transient startle response reduction and histopathological gadolinium localization to perineuronal nets after gadodiamide administration in rats. *Sci Rep* 10**,** 22385 (2020). doi.org/10.1038/s41598-020-79374-z

Horng A, Stroebel J, Geith T, Milz S, Pacureanu A, Yang Y, Cloetens P, Lovric G, Mittone A, Bravin A, Coan P. Multiscale X-ray phase contrast imaging of human cartilage for investigating osteoarthritis formation. J Biomed Sci. 2021;28:42. doi: 10.1186/s12929-021-00739-1. PMID 34098949

Kampfer C, Barapatre N, Schmitz C, Edler von Koch F, Frank HG. Villous typing by immunohistochemistry and design-based stereology reveals new aspects of villous architecture in normal and IUGR placentas. Placenta 2021:112:e45 doi.org/10.1016/j.placenta.2021.07.147

Kaub L, Keller G, Bouligand C, Glen JMG. Magnetic Surveys with Unmanned Aerial Systems: Software for Assessing and Comparing the Accuracy of Different Sensor Systems, Suspension Designs and Compensation Methods. Geochemistry, Geophysics, Geosystems 2021, 22 doi.org/10.1029/2021GC009745

Morgan JPM, Hamm M, Schmitz C, Brem MH. Return to play after treating acute muscle injuries in elite football players with radial extracorporeal shock wave therapy. J Orthop Surg Res 2021;16:708 (https://doi.org/10.1186/s13018-021-02853)

Schmitz C. In response to: Use of different radial extracorporeal shock wave devices may explain different outcome in treatment of chronic greater trochanteric pain syndrome using this modality. Clin J Sport Med 2021 Nov 10. doi: 10.1097/JSM.0000000000000994. Online head of print.

Schmitz, C. Improving extracorporeal shock wave therapy with 904 or 905 nm pulsed, high power laser pretreatment. Preprints 2021. doi: 10.20944/preprints202101.0138.v1

Schmitz C, Alt EU. Die Verwendung körpereigener Stammzellen in der regenerativen Medizin. Osteopathische Medizin 2021;22:2-5 PDF 273 KB

Schmidutz F, Milz S, Schiuma D, Richards RG, Windolf M, Sprecher CM. Cortical parameters predict bone strength at the tibial diaphysis, but are underestimated by HR-pQCT and µCT compared to histomorphometry. J Anat. 2021;238:669-678. doi: 10.1111/joa.13337. PMID 33084063

Stiller P, Schmitz C. Radial Extracorporeal Shock Wave Therapy to Support Breathing in Case of Coronavirus Disease 2019 (COVID-19): A Case Report. Preprints 2021. doi: 10.20944/preprints202103.0192.v1

Wegener B, Behnke M, Milz S, Jansson V, Redlich C, Hermanns W, Birkenmaier C, Pieper K, Weißgärber T, Quadbeck P. Local and systemic inflammation after implantation of a novel iron based porous degradable bone replacement material in sheep model. Sci Rep. 2021;11:12035. doi: 10.1038/s41598-021-91296-y. PMID 34103567

Wu W, Maffulli N, Furia JP, Meindlhumer L, Sternecker K, Milz S, Schmitz C. Exposure of zebra mussels to radial extracorporeal shock waves: implications for treatment of fracture nonunions. J Orthop Surg Res 2021;16:707 (https://doi.org/10.1186/s13018-021-02852)

Zhan J, Fegg FN, Kaddatz H, Rühling S, Frenz J, Denecke B, Amor S, Ponsaerts P, Hochstrasser T, Kipp M. Neurobiol Dis. 2021 Jul;155:105371. doi: 10.1016/j.nbd.2021.105371. Epub 2021 Apr 29. PMID 33932559

2020

Alt EU, Rothoerl R, Hoppert M, Frank HG, Alt C, Schmitz C. Human Tendon Repair Following Injection of Autologous, Unmodified Stem Cells: A Comprehensive Immunohistochemical Evaluation. Preprints 2020. doi: 10.20944/preprints202009.0532.v1

Alt EU, Winnier G, Haenel A, Rothoerl R, Solakoglu O, Alt C, Schmitz C. Towards a comprehensive understanding of ua-adrcs (uncultured, autologous, fresh, unmodified, adipose derived regenerative cells, isolated at point of care) in regenerative medicine. Cells 2020;9:1097. doi: 10.3390/cells9051097

Barapatre N, Aschauer B, Kampfer C, Schmitz C, Frank HG. Air contrast of the intervillous space enables non-disruptive Micro-CT analysis of paraffin-embedded archival placental tissue. Placenta 2020; 100:66-68. doi: doi.org/10.1016/j.placenta.2020.08.003

Brassett C, Cosker T, Davies DC, Dockery P, Gillingwater TH, Lee TC, Milz S, Parson SH, Quondamatteo F, Wilkinson T. COVID-19 and anatomy: Stimulus and initial response. J Anat. 2020; 10.1111/joa.13274. PMID 32628795

Diermeier T, Venjakob A, Byrne K, Burgkart R, Foehr P, Milz S, Imhoff AB, Vogt S. Effects of focal metallic implants on opposing cartilage - an in-vitro study with an abrasion test machine. BMC Musculoskelet Disord. 2020; 21:261. doi: 10.1186/s12891-020-03292-4

He X, Reichl FX, Milz S, Michalke B, Wu X, Sprecher CM, Yang Y, Gahlert M, Röhling S, Kniha H, Hickel R, Högg C. Titanium and zirconium release from titanium- and zirconia implants in mini pig maxillae and their toxicity in vitro. Dent Mater. 2020; 36:402-412 PMID 31992485

Lutter C, Schöffl V, Hotfiel T, Schmitz C, Milz S, Strohm P. Radial extracorporeal shock wave therapy in flexor tendon pathology of the hand: A feasibility study. Technol Health Care. 2020;28:77-83. PMID 31282446

Mueller M, Sternecker K, Milz S, Geist J. Assessing turbine passage effects on internal fish injury and delayed mortality using X-ray imaging. 2020. PeerJ 8:e9977 https://doi.org/10.7717/peerj.9977

Reinbach C, Stadler MS, Pröbstl N, Chrzanowski U, Schmitz C, Kipp M, Hochstrasser T. Brain Res. 2020 Oct 15;1745:146950. doi: 10.1016/j.brainres.2020.146950. Epub 2020 Jun 7. PMID 32524994

Schönweger F, Sprecher CM, Milz S, Dommann-Scherrer C, Meier C, Dommann A, Neels A, Wahl P. New Insights into Osteointegration and Delamination from a Multidisciplinary Investigation of a

Failed Hydroxyapatite-Coated Hip Joint Replacement. Materials (Basel). 2020;13:E4713. doi: 10.3390/ma13214713. PMID 33105759

Stoeckelhuber M, Kesting MR, Loeffelbein DJ, Schmitz C, Wolff KD. Diversity of mucins in labial glands of infants. Histol Histopathol. 2020;35:903-909. doi: 10.14670/HH-18-213

Vidal X, Martí-Fàbregas J, Canet O, Roqué M, Morral A, Tur M, Schmitz C, Sitjà-Rabert M. Efficacy of radial extracorporeal shock wave therapy compared with botulinum toxin type A injection in treatment of lower extremity spasticity in subjects with cerebral palsy: A randomized, controlled, cross-over study. J Rehabil Med. 2020;52:jrm00076. doi: 10.2340/16501977-2703 PMID 32556354

Wegener B, Sichler A, Milz S, Sprecher C, Pieper K, Hermanns W, Jansson V, Nies B, Kieback B, Müller PE, Wegener V, Quadbeck P. Development of a novel biodegradable porous iron-based implant for bone replacement. Sci Rep. 2020;10:9141. PMID 32499489

Wegener B, Behnke M, Milz S, Janson V, Redlich C, Hermanns W, Pieper K, Quadbeck P. Local and Systemic Inflammation After Implantation of a Novel Iron Based Porous Degradable Bone Replacement Material in Sheep Model. Research Square 2020. https://doi.org/10.21203/rs.3.rs-138400/v1

2019

Barapatre N, Haeussner E, Grynspan D, Schmitz C, Edler von Koch F, Frank HG. The density of cell nuclei at the materno-fetal exchange barrier is sexually dimorphic in normal placentas, but not in IUGR. Sci Rep 2019 https://doi.org/10.1038/s41598-019-38739-9

Buehlmeyer A, Barapatre N, Schmitz C, Edler von Koch F, Haeussner E, Frank HG. The volume of villi with *γ*-sm-actin positive perivascular cells correlates with placental weight and thickness. Placenta 2019;85:24-31. https://doi.org/10.1016/j.placenta.2019.08.082

Chrzanowski U, Bhattarai S, Scheld M, Clarner T, Fallier-Becker P, Beyer C, Rohr SO, Schmitz C, Hochstrasser T, Schweiger F, Amor S, Horn-Bochtler A, Denecke B, Nyamoya S, Kipp M. Oligodendrocyte degeneration and concomitant microglia activation directs peripheral immune cells into the forebrain. Neurochem Int. 2019;126:139-153. PMID 30867127

Chrzanowski U, Schmitz C, Horn-Bochtler A, Nack A, Kipp M. Evaluation strategy to determine reliable demyelination in the cuprizone model. Metab Brain Dis. 2019;34:681-685. PMID 30607821

Crupnik J, Silveti S, Wajnstein N, Rolon A, Vollhardt A, Stiller P, Schmitz C. Is radial extracorporeal shock wave therapy combined with a specific rehabilitation program (rESWT + RP) more effective than sham-rESWT + RP for acute hamstring muscle complex injury Type 3b in athletes? Study protocol for a prospective, randomized, double-blind, sham-controlled single centre trial. J Orthop Surg Res: in press (preprint available at doi: 10.20944/preprints201905.0054.v1)

Fischbach F, Nedelcu J, Leopold P, Zhan J, Clarner T, Nellessen L, Beißel C, van Heuvel Y, Goswami A, Weis J, Denecke B, Schmitz C, Hochstrasser T, Nyamoya S, Victor M, Beyer C, Kipp M. Cuprizone-induced graded oligodendrocyte vulnerability is regulated by the transcription factor DNA damage-inducible transcript 3. Glia. 2019;67:263-276. PMID 30511355

Haenel A, Ghosn M, Karimi T, Vykoukal J, Shah D, Valderrabano M, Schulz DG, Raizner A, Schmitz C, Alt EU. Unmodified autologous stem cells at point of care for chronic myocardial infarction. World J Stem Cells. 2019;11:831-858. doi: 10.4252/wjsc.v11.i10.831

Henschen S, Barapatre N, Frank HG. In IUGR Placentas, estimates of Villous and Capillary Volumes of Peripheral Villi Correlate with the Placental Weight. Placenta 2019; 83:e18 doi: https://doi.org/10.1016/j.placenta.2019.06.062

Herbst E, Imhoff FB, Foehr P, Milz S, Plank C, Rudolph C, Hasenpusch G, Geiger JP, Aneja MK, Groth K, Vogt S, Imhoff AB, Schmitt A. Chemically Modified Messenger RNA: Modified RNA Application for Treatment of Achilles Tendon Defects. Tissue Eng Part A. 2019; 25:113-120. PMID 29676227

Herrmann FEM, Lamm P, Wellmann P, Milz S, Hagl C, Juchem G. Autologous endothelialized vein allografts in coronary artery bypass surgery - Long term results. Biomaterials. 2019;212:87-97. PMID 31108275

Liu J, Heinsen H, Grinberg LT, Alho E, Amaro E Jr., Pasqualucci CA, Rüb U, Seidel K, den Dunnen WFA, Arzberger T, Schmitz C, Kiessling M, Bader B, Danek A. Pathoarchitectonics of the cerebral cortex in chorea-acanthocytosis and Huntington's disease. Neuropathol Appl Neurobiol 2019;45:230-243. PMID 29722054

Hochstrasser T, Rühling S, Hecher K, Fabisch KH, Chrzanowski U, Brendel M, Eckenweber F, Sacher C, Schmitz C, Kipp M. Stereological Investigation of Regional Brain Volumes after Acute and Chronic Cuprizone-Induced Demyelination. Cells. 2019;8. PMID 31484353

Nyamoya S, Steinle J, Chrzanowski U, Kaye J, Schmitz C, Beyer C, Kipp M. Laquinimod Supports Remyelination in Non-Supportive Environments. Cells 2019;8. PMID 31683658

Nyamoya S, Leopold P, Becker B, Beyer C, Hustadt F, Schmitz C, Michel A, Kipp M. G-protein-coupled receptor Gpr17 expression in two multiple sclerosis remyelination models. Mol Neurobiol 2019;56:1109-1123. PMID 29873041

Putz R, Boszczyk B, Milz S. How the Ends of Bones Evolve and What They Do: The Anatomical and Biomechanical Perspective. Semin Musculoskelet Radiol. 2019;23:467-476. PMID 31556082

Rühling S, Kramer F, Schmutz S, Amor S, Jiangshan Z, Schmitz C, Kipp M, Hochstrasser T. Visualization of the breakdown of the axonal transport machinery: a comparative ultrastructural and immunohistochemical approach. Mol Neurobiol 2019;56:3984-3998. PMID 30238390

Solakoglu Ö, Götz W, Kiessling MC, Alt C, Schmitz C, Alt EU. Improved guided bone regeneration by combined application of unmodified, fresh autologous adipose derived regenerative cells and plasma rich in growth factors: A first-in-human case report and literature review. World J Stem Cells 2019; 11:124-146

Tappan S, Eastwood B, O'Connor N, Wang X, Ng L, Feng D, Hooks B, Gerfen C, Hof P, Schmitz C, Glaser J. Automatic navigation system for the mouse brain. J Comp Neurol 2019;527:2200-2211. PMID 30635922

Toussaint R, Schmitz C. Combination of radial extracorporeal shock wave therapy and neuroreflectory hyperbaric CO2 cryotherapy: new horizons in sports medicine and the treatment of recreational and competitive athletes. sports.medicine.newspaper 2019;1:24-27

Venjakob AJ, Föhr P, Henke F, Tischer T, Sandmann GH, Blanke F, Imhoff AB, Milz S, Burgkart R, Vogt S. Influence of Sutures on Cartilage Integrity: Do Meniscus Sutures Harm Cartilage? An Experimental Animal Study. Arthroscopy 2019;35:1509-1516. PMID 30745024

Vidal X, Martí J, Canet O, Roqué Ml Morral A, Tur M, Schmitz C, Sitjà M. Efficacy of radial extracorporeal shock wave therapy compared to botulinum toxin type a in the treatment of lower extremity spasticity in patients with cerebral palsy. Ann Phys Rehab Med 2019;61:e58

Yakimov V, Schweiger F, Zhan J, Behrangi N, Horn A, Schmitz C, Hochstrasser T, Kipp M. Continuous cuprizone intoxication allows active experimental autoimmune encephalomyelitis induction in C57BL/6 mice. Histochem Cell Biol. 2019;152:119-131. PMID 31016368

2018

Angstman NB, Frank HG, Schmitz C. Hypothermia ameliorates blast-related lifespan reduction of C. elegans. Sci Rep 2018;8:10549. PMID 30002423

Aust V, Kress E, Abraham S, Schröder N, Kipp M, Stope MB, Pufe T, Tauber SC, Brandenburg LO. Lack of chemokine (C-C motif) ligand 3 leads to decreased survival and reduced immune response after bacterial meningitis. Cytokine 2018 Sep 7;111:246-254. PMID 30199766

Becker B, Demirbas M, Johann S, Zendedel A, Beyer C, Clusmann H, Haas SJ, Wree A, Tan SKH, Kipp M. Effect of intrastriatal 6-OHDA lesions on extrastriatal brain structures in the mouse. Mol Neurobiol 2018;55:4240-4252. PMID 28616718

Best N, Rompe JD, Zheis C, Schmitz C, Walther M, Engelhardt M, Tader C, Roth O, Placzek R: Enthesiopathien. In: Peters KM, König DP, Roth A (eds). Fortbildung Osteologie 4. Springer, Berlin, pp. 117-151.

Brettner F, Darling J, Baeuml EC, Mannell H, Frank HG, Amini M, Hulde N, Kammerer T, Becker BF, Rehm M, Conzen P, Chappell D. Chances and limitations of isolated mouse heart models for investigating the endothelial glycocalyx1. Clin Hemorheol Microcirc 2018;69:393-403. PMID 29400664

Crupnik J, Silveti S, Wajnstein N, Stiller P, Vollhardt A, Schmitz C. A prospective, randomized, double-blind, placebo controlled single centre trial to assess the efficacy and safety of radial extracorporeal shock wave therapy combined with a specific rehabilitation program for acute hamstring muscle complex injury Type 3b in athletes. (published online on March 22, 2018) https://www.clinicaltrials.gov/ProvidedDocs/99/NCT03473899/Prot_000.pdf

d'Orange M, Aurégan G, Cheramy D, Gaudin-Guérif M, Guillermier M, Stimmer L, Joséphine C, Hérard AS, Gaillard MC, Petit F, Kiessling MC, Schmitz C, Colin M, Buée L, Panayi F, Diguet E, Brouillet E, Hantraye P, Bemelmans AP, Cambon K. Potentiating tangles formation prevents from acute toxicity exerted by soluble Tau species in the rat. Brain 2018;141:535-549. PMID 29253129

Esser S, Göpfrich L, Bihler K, Kress E, Nyamoya S, Tauber SC, Clarner T, Stope MB, Pufe T, Kipp M, Brandenburg LO. Toll-like receptor 2 mediated glial cell activation in a mouse model of cuprizone-induced demyelination. Mol Neurobiol 2018;55:6237-6249. PMID 29288338

Fichtl A, Buettner A, Hof PR, Schmitz C, Kiessling MC. Delineation of subregions in the early postnatal human cerebellum for design-based stereologic studies. Front Neuroanat 2018;11:134. PMID 29358908

Fischbach F, Nedelcu J, Leopold P, Zhan J, Clarner T, Nellessen L, Beißel C, van Heuvel Y, Goswami A, Weis J, Denecke B, Schmitz C, Hochstrasser T, Nyamoya S, Victor M, Beyer C, Kipp M. Cuprizone-induced graded oligodendrocyte vulnerability is regulated by the transcription factor DNA-damage inducible transcript 3 (DDIT3). Glia 2018;67:263-276. PMID 30511355

Gilder S, Wack M, Kaub L, Roud S, Petersen N, Heinsen H, Hillenbrand P, Milz S, Schmitz C. Distribution of magnetic remanence carriers in the human brain. Sci Rep 2018;8:11363. PMID 29288338

Herbst E, Imhoff FB, Foehr P, Milz S, Plank C, Rudolph C, Hasenpusch C, Geiger JP, Aneja MK, Groth K, Vogt S, Imhoff AB, Schmitt A. Chemically modified messenger RNA: Modified RNA application for treatment of achilles tendon defects. Tissue Eng Part A 2018;25:113-120. PMID 29676227

Hochstrasser T, Jiangshan Z, Rühling S, Schmitz C, Kipp M. Do pre-clinical multiple sclerosis models allow us to measure neurodegeneration and clinical progression? Expert Rev Neurotherm 2018;4:1-3. PMID 29589965

Hsieh CF, Yan Z, Schumann RG, Milz S, Pfeifer CG, Schieker M, Docheva D. In vitro comparison of 2D-cell culture and 3D-cell sheets of scleraxis-programmed bone marrow derived mesenchymal stem cells to primary tendon stem/progenitor cells for tendon repair. Int J Mol Sci 2018;19(8). pii: E2272. PMID 30072668

Janner SFM, Gahlert M, Bosshardt DD, Roehling S, Milz S, Higginbottom F, Buser D, Cochran DL. Bone response to functionally loaded, two-piece zirconia implants: A preclinical histometric study. Clin Oral Implants Res. 2018;29:277-289. PMID 29288505

Kniha K, Modabber A, Kniha H, Möhlhenrich SC, Hölzle F, Milz S. Dimensions of hard and soft tissue around adjacent, compared with single-tooth, zirconia implants. Br J Oral Maxillofac Surg 2018;33:217-222. PMID 29179980

Kniha K, Milz S, Kniha H, Ayoub N, Hölzle F, Modabber A. Peri-implant crestal bone changes around zirconia implants in periodontally healthy and compromised patients. Int J Oral Maxillofac Implants 2018;56:43-47. PMID 29028851

Liu J, Heinsen H, Grinberg LT, Alho E, Amaro E Jr., Pasqualucci CA, Rüb U, den Dunnen W, Arzberger T, Schmitz C, Kiessling M, Bader B, Danek A. Subcortical neurodegeneration in chorea: similarities and differences between Chorea-acanthocytosis and Huntington's disease. Parkinsonism Relat Disord 2018;49:54-59. PMID 29402698.

Mattyasovszky SG, Langendorf EK, Ritz U, Schmitz C, Schmidtmann I, Nowak TE, Wagner D, Hofmann A, Rommens PM, Drees P. Exposure to radial extracorporeal shock waves modulates viability and gene expression of human skeletal muscle cells: a controlled in vitro study. J Orthop Surg Res 2018;13:75. PMID 29625618

Schmitz C. 肌肉损伤的预防 China edition of Sportärztezeitung 2018;1:16-17

Sprecher CM, Milz S, Suter T, Keating JH, McCarthy RJ, Gueorguiev B, Boudrieau RJ. Retrospective analysis of corrosion and ion release from retrieved cast stainless steel tibia plateau leveling osteotomy plates in dogs with and without peri-implant osteosarcoma. Am J Vet Res. 2018;79:970-979. PMID 30153050

Sternecker K, Geist J, Beggel S, Dietz-Laursonn K, de la Fuente Matias, Frank HG, Furia JP, Milz S, Schmitz C. Exposure of zebra mussels to extracorporeal shock waves demonstrates formation of new mineralized tissue inside and outside the focus zone. Biol Open 2018;7. pii: bio033258 PMID 29615415

Teske N, Liessem A, Fischbach F, Clarner T, Beyer C, Wruck C, Fragoulis A, Tauber SC, Victor M, Kipp M. Chemical hypoxia-induced integrated stress response activation in oligodendrocytes is mediated

by the transcription factor nuclear factor (erythroid-derived 2)-like 2 (NRF2). J Neurochem 2018;144:285-301. PMID 29210072

Trepanier MO, Hildebrand KD, Nyamoya S, Amor S, Bazinet RP, Kipp M. Phosphatidylcholine 36:1 concentration decreases along with demyelination in the cuprizone animal model and in post-mortem multiple sclerosis brain tissue. J Neurochem 2018;145:504-515. PMID 29574981

Wahl P, Sprecher CM, Brüning C, Meier C, Milz S, Gautier E, Fintan Moriarty T. Successful bony integration of a porous tantalum implant despite longlasting and ongoing infection: Histologic workup of an explanted shoulder prosthesis. J Biomed Mater Res B Appl Biomater. 2018;106:2924-2931. PMID 30199602

Zendedel A, Mönnink F, Hassanzadeh G, Zaminy A, Ansar MM, Habib P, Slowik A, Kipp M, Beyer C. Estrogen Attenuates Local Inflammasome Expression and Activation after Spinal Cord Injury. Mol Neurobiol 2018;55:1364-1375. PMID 28127698

Zhang L, Fu XB, Chen S, Zhao ZB, Schmitz C, Weng CS. Efficacy and safety of extracorporeal shock wave therapy for acute and chronic soft tissue wounds: a systematic review and meta-analysis. Int Wound J 2018;15:590-599. PMID 28127698

2017

Bode GH, Couè G, Freese C, Pickl KE, Sanchez-Purrà M, Albaiges B, Borrós S, van Winden EC, Tziveleka LA, Sideratou Z, Engbersen JF, Singh S, Albrecht K, Groll J, Möller M, Pötgens AJ, Schmitz C, Fröhlich E, Grandfils C, Sinner FM, Kirkpatrick J, Steinbusch HWM, Frank HG, Unger RE, Martinez-Martinez P. An in vitro and in vivo study of peptide-functionalized nanoparticles for brain targeting: The importance of selective bloodbrain barrier uptake. Nanomed Nanotech Biol Med 2017;13:1289-1399. PMID 27482636

Dex S, Alberton P, Willkomm L, Söllradl T, Bago S, Milz S, Shakibaei M, Ignatius A, Bloch W, Clausen-Schaumann H, Shukunami C, Schieker M, Docheva D. Tenomodulin is Required for Tendon Endurance Running and Collagen I Fibril Adaptation to Mechanical Load. EBioMedicine. 2017;20:240-254. PMID 28566251

Furia JP, Rompe JD, Maffulli N, Cacchio A, Schmitz C. Radial extracorporeal shock wave therapy is effective and safe in chronic distal biceps tendinopathy. Clin J Sport Med. 2017; 27:430-437. PMID 27893487

Geith T, Niethammer T, Milz S, Dietrich O, Reiser M, Baur-Melnyk A. Transient Bone Marrow Edema Syndrome versus Osteonecrosis: Perfusion Patterns at Dynamic Contrast-enhanced MR Imaging with High Temporal Resolution Can Allow Differentiation. Radiology 2017; 283:478-485. PMID 27905865

Gudi V, Gai L, Herder V, Salinas L, Tejedor, Kipp M, Amor S, Sühs KW, Hansmann F, Beineke A, Baumgärtner W, Stangel M, Skripuletz T. Synaptophysin is a reliable marker for axonal damage. J Neuropathol Exp Neurol 2017 Feb;76:109-125. PMID 28177496

Haeussner E, Schmitz C, Grynspan D, Edler von Koch F, Frank H-G. Syncytial nuclei accumulate at the villous surface in IUGR while proliferation is unchanged. Placenta 2017;60:47-53. PMID 29208239

Hochstrasser T, Exner GL, Nyamoya S, Schmitz C, Kipp M. Cuprizone-Containing Pellets Are Less Potent to Induce Consistent Demyelination in the Corpus Callosum of C57BL/6 Mice. J Mol Neurosci. 2017; 61:617-624. Epub 2017 Feb 25. PMID 28238065

Holtman IR, Bsibsi M, Gerritsen WH, Boddeke HWGM, Eggen BJL, van der Valk P, Kipp M, Amor S, van Noort JM. Identification of highly connected hub genes in the protective response program of human macrophages and microglia activated by alpha B-crystallin. Glia 2017; 65:460-473. PMID 28063173

Ibrahim MI, Donatelli RA, Hellman M, Hussein AZ, Furia JP, Schmitz C. Long-term results of radial extracorporeal shock wave treatment for chronic plantar fasciopathy: a prospective, randomized, placebo-controlled trial with two years follow-up. J Orthop Res 2017; 35:1532-1538. PMID 27567022

Imamura M, Alamino S, Hsing WT, Alfieri FM, Schmitz C, Battistella LR. Efficacy of radial extracorporeal shock wave therapy (rESWT) for disabling pain due to severe primary knee osteoarthritis: a prospective, randomized, placebo controlled, double blind study with subjective and objective endpoints. J Rehab Med 2017; 49:54-62. PMID 27904912

Kertzman P, Császár NBM, Furia JP, Schmitz C. Radial extracorporeal shock wave therapy is efficient and safe in the treatment of fracture nonunions of superficial bones: a retrospective case series. J Orthop Surg Res 2017; 12:164. PMID 29110711

Kipp M, Kiessling MC, Hochstrasser T, Roggenkamp C, Schmitz C. Design-based stereology for evaluation of histological parameters. J Mol Neurosci 2017;61:325-342 PMID 27826759

Kipp M, Nyamoya S, Hochstrasser T, Amor S. Multiple sclerosis animal models: A clinical and histopathological perspective. Brain pathology 2017;61:325-342. PMID 27792289

Kniha K, Kniha H, Möhlhenrich SC, Milz S, Hölzle F, Modabber A. Papilla and alveolar crest levels in immediate versus delayed single-tooth zirconia implants. Int J Oral Maxillofac Surg 2017;46:1039-1044. PMID 28259599

Nyamoya S, Kipp M, Hochstrasser T. Cuprizone as a model of myelin and axonal damage. Drug Discov Today Dis Models 2017;25-26:63-68

Puentes F, van der Star BJ, Boomkamp SD, Kipp M, Boon L, Bosca I, Raffel J, Gnanapavan S, van der Valk P, Stephenson J, Barnett SC, Baker D, Amor S. Neurofilament light as an immune target for pathogenic antibodies. Immunology. 2017; 152:580-588. PMID 28718500

Roth CJ, Haeussner E, Ruebelmann T, Edler von Koch F, Schmitz C, Frank HG, Wall WA - Dynamic modeling of uteroplacental blood flow in IUGR indicates vortices and elevated pressure in the intervillous space – a pilot study. Sci Rep 2017; 7:40771. PMID 28102332

Rüther BJ, Scheld M, Dreymueller D, Clarner T, Kress E, Brandenburg LO, Swartenbroekx T, Hoornaert C, Ponsaerts P, Fallier-Becker P, Beyer C, Rohr SO, Schmitz C, Chrzanowski U, Hochstrasser T, Nyamoya S, Kipp M. Combination of cuprizone and experimental autoimmune encephalomyelitis to study inflammatory brain lesion formation and progression. Glia. 2017; 65:1900-1913. PMID 28836302

Schmitz C. Not all extracorporeal shock wave therapies are equal: a comment on Ulusoy et al. J Foot Ankle Surg 2017;56:762-767

2016

Angstman NB, Frank HG, Schmitz C. Advanced behavioral analyses show that the presence of food causes subtle changes in *C. elegans* movement. Front Behav Neurosci 2016;10:60. PMID 27065825

Császár NBM, Schmitz C. Effektivität und Sicherheit der Extrakorporalen Stoßwellentherapie bei Sehnenpathologien: eine systematische Übersicht über in der PEDro Datenbank gelistete Studien. In: Plaaß C, Weisskopf L (eds). Sehnenerkrankungen. Walter de Gruyter, Berlin, 2016

D'Este M, Martin Sprecher C, Milz S, Nehrbass D, Dresing I, Zeiter S, Alini M, Eglin D. Evaluation of an injectable thermoresponsive hyaluronan hydrogel in a rabbit osteochondral defect model. J Biomed Mater Res A 2016;104:1469-1478. PMID 26833870

Draheim T, Liessem A, Scheld M, Wilms F, Weissflog M, Denecke B, Wruck C, Kensler T, Zendehdel A, Beyer C, Kipp M, Fragoulis A, Clarner T. Activation of the astrocytic Nrf2/ARE system ameliorates the formation of demyelinating lesions in a multiple sclerosis animal model. Glia 2016;64:2219-2230.

Falkai P, Malchow B, Wetzestein K, Nowastowski V, Bernstein HG, Steiner J, Schneider-Axmann T, Kraus T, Hasan A, Bogerts B, Schmitz C, Schmitt A. Decreased oligodendrocyte and neuron number in anterior hippocampal areas and the entire hippocampus in schizophrenia: A stereological post-mortem study. Schizophr Bull 2016;42 Suppl 1:S4-S12.

Frank HG. Placental Development. In: Fetal and Neonatal Physiology, 2-Volume Set, 5th Edition. Section II Placenta and Intrauterine Environment (pps 101-113). Polin, Abman, Rowitch, Benitz (eds). Elsevier 2016. ISBN 9780323352147

Große-Veldmann R, Becker B, Amor S, van der Valk P, Beyer C, Kipp M. Lesion Expansion in experimental demyelination animal models and multi sclerosis lesions. Mol Neurobiol 2016;53:4905-17 PMID 26363796

Haeussner E , Schmitz C, Frank HG, Edler von Koch F. Novel 3D light microscopic analysis of IUGR placentas points to a morphological correlate of compensated ischemic placental disease in humans. Sci Rep 2016;6:24004. PMID 27045698

He X, Reichl FX, Wang Y, Michalke B, Milz S, Yang Y, Stolper P, Lindemaier G, Graw M, Hickel R, Högg C. Analysis of titanium and other metals in human jawbones with dental implants - A case series study. Dent Mater 2016;32:1042-51. PMID 27298240

Hochstrasser T, Frank HG, Schmitz C. Dose-dependent and cell type-specific cell death and proliferation following in vitro exposure to radial extracorporeal shock waves. Sci Rep 2016;6:30637.

Höflich K, Beyer C, Clarner T, Schmitz C, Kipp M, Hochstrasser T. Acute axonal damage in three different murine models of multiple sclerosis: a comparative approach. Brain Res 2016;1650:125-133.

Janssen K, Rickert M, Clarner T, Beyer C, Kipp M. Absence of CCL2 and CCL3 ameliorates central nervous system grey matter but not white matter demyelination in the presence of an intact blood-brain barrier. Mol Neurobiol 2016;53:1551-1564. PMID 25663168

Kipp M. Remyelination strategies in multi sclerosis: a critical reflection. Expert Rev Neurother 2016;16:1-3. PMID 26618372

Kipp M, Hochstrasser T, Schmitz C, Beyer C. Female sex steroids and glia cells: impact on multi sclerosis lesion formation and fine tuning of the local neurodegenerative cellular network. Neurosci Biobehav Rev 2016;67:125-136.

Kniha K, Gahlert M, Hicklin S, Brägger U, Kniha H, Milz S. Evaluation of hard and soft tissue dimensions around zirconium oxide implant supported crowns: A One-Year Retrospective Study. J Periodontol 2016;14:1-15. PMID 26654346

Kraus TM, Imhoff FB, Reinert J, Wexel G, Wolf A, Hirsch D, Hofmann A, Stöckle U, Buchmann S, Tischer T, Imhoff AB, Milz S, Anton M, Vogt S. Stem cells and bFGF in tendon healing: Effects of

lentiviral gene transfer and long-term follow-up in a rat Achilles tendon defect model. BMC Musculoskelet Disord. 2016 Apr 5;17:148. doi: 10.1186/s12891-016-0999-6

Moore SR, Heu C, Yu NY, Whan RM, Knothe UR, Milz S, Knothe Tate ML. Translating Periosteum's Regenerative Power: Insights From Quantitative Analysis of Tissue Genesis With a Periosteum Substitute Implant. Stem Cells Transl Med 2016;5:1739-1749. PMID 27465072

Putz R, Milz S. Macroscopic and functional anatomy of the apophyseal plate. Orthopäde. 2016; 45:199-205. doi: 10.1007/s00132-016-3227-z. German. Erratum in: Orthopäde. 2016; 45:445.

Riedemann T, Schmitz C, Sutor B. Immunocytochemical heterogeneity of somatostatin-expressing GABAergic interneurons in layers II and III of the mouse cingulate cortex: a combined immunofluorescence / design-based stereological study. J Comp Neurol 2016;524:2281-2299. PMID 26669716

Rompe JD, Theis S, Schmitz C. Evidenz-basierte Überprüfung der Therapieempfehlungen bei Epicondylopathia radialis humeri (Tennisellenbogen). In: Peters K, Roth A (eds). Fortbildung Osteologie, Band IV. Springer, Berlin, 2016

Rosenkranz E, Maywald M, Hilgers R, Brieger A, Clarner T, Kipp M, Plümäkers B, Meyer S, Schwerdtle T, Rink L. Induction of regulatory T cells in Th1-/Th17-driven experimental autoimmune encephalomyelitis by zinc administration. J Nutr Biochem 2016;29:116-123. PMID: 26895672

Scheld M, Rüther BJ, Große-Veldmann R, Ohl K, Tenbrock K, Dreymüller D, Fallier-Becker P, Zendedel A, Beyer C, Clarner T, Kipp M. Neurodegeneration Triggers Peripheral Immune Cell Recruitment into the Forebrain. J Neurosci 2016;36:1410-5. PMID 26895672

Schindele SF, Sprecher CM, Milz S, Hensler S. Osteointegration of a modular metal-polyethylene surface gliding finger implant: a case report. Arch Orthop Trauma Surg 2016;136:1331-52016. PMID 27450194

Schmitz C, Först A, Kreutz A, Tröster S: Geheimnisvolle Triggerpunkte. Sportärztezeitung 2016;2:14-20

Stoeckelhuber M, Loeffelbein DJ, Olzowy B, Schmitz C, Koerdt S, Kesting MR. Labial salivary glands in infants: histochemical analysis of cytoskeletal and antimicrobial proteins. J Histochem Cytochem 2016;64:502-510.

Ummenthum K, Peferoen LAN, Finardi A, Baker D, Pryce G, Mantovani A, Bsibsi M, Bottazzi B, Peferoen-Baert R, van der Valk P, Garlanda C, Kipp M, Furlan R, van Noort JM, Amor S. Pentraxin-3 is upregulated in the central nervous system during MS and EAE, but does not modulate the autoimmune neuroinflammation. Eur J Immunol 2016;46:701-11. PMID 26576501

Wagenknecht N, Becker B, Scheld M, Beyer C, Clarner T, Hochstrasser T, Kipp M. Thalamus Degeneration and Inflammation in Two Distinct Multiple Sclerosis Animal Models. J Mol Neurosci. 2016;60:102-14. PMID 27491786

Wang T, Du L, Shan L. Dong H, Feng J, Kiessling MC, Angstman NB, Schmitz C, Jia F. A prospective case control study of radial extracorporeal shock wave therapy for spastic plantar flexor muscles in young children with cerebral palsy. Medicine 2016;95:e3649. PMID 27175689

Zendedel A, Johann S, Mehrabi S, Joghataei M, Hassanzadeh G, Kipp M, Beyer C. Activation and regulation of NLRP3 inflammasome by intrathecal application of SDF-1a in a spinal cord injury model Mol Neurobiol 2016;53:3063-75 PMID 25972240

Zengin A, Kropp B, Chevalier Y, Junnila R, Sustarsic E, Herbach N, Fanelli F, Mezzullo M, Milz S, Bidlingmaier M, Bielohuby M. Low-carbohydrate, high-fat diets have sex-specific effects on bone health in rats. Eur J Nutr 2016;55:2307-20 PMID 26386685

2015

Angstman NB, Kiessling MC, Frank HG, Schmitz C. High interindividual variability in dose-dependent reduction in speed of movement after exposing C. elegans to shock waves. Front Behav Neurosci 2015;9:12. PMID 4319468

Bode GH, Pickl KE, Sanchez-Purrà M, Albaiges B, Borrós S, Pötgens AJ, Schmitz C, Sinner FM, Losen M, Steinbusch HW, Frank HG, Martinez-Martinez P; European NanoBioPharmaceutics Research Initiative. Detection of Peptide-based nanoparticles in blood plasma by ELISA. PLoS One 2015;10:e0126136.

Brisevac D, Adzic M, Laketa D, Parabucki A, Milosevic M, Lavrnja I, Bjelobaba I, Sévigny J, Kipp M, Nedeljkovic N. Extracellular ATP selectively upregulates ecto-nucleoside triphosphate phosphosphohydroase-2 and ecto-5-nucleotidase by rat cortical astrocytes in vitro. J Mol Neurosci 2015;57:452-462. PMID 26080748

Butterworth PA, Walsh TP, Pennisi YD, Chesne AD, Schmitz C, Nancarrow SA. The effectiveness of extracorporeal shock wave therapy for the treatment of lower limb ulceration: a systematic review. J Foot Ankle Res 2015;8:3. PMID 4342213

Clarner T, Janssen K, Nellessen L, Stangel M, Skripuletz T, Krauspe B, Hess FM, Denecke B, Beutner C, Linnartz-Gerlach B, Neumann H, Vallières L, Amor S, Ohl K, Tenbrock K, Beyer C, Kipp M. CXCL10 triggers early microglial activation in the cuprizone model. J Immunol 2015;194:3400-3413. PMID 25725102

Császár NBM, Angstman NB, Milz S, Sprecher CM, Kobel P, Farhat M, Furia JP, Schmitz C. Radial shock wave devices generate cavitation. PLoS One 2015;10:e0140541. PMID 26509573

Frank HG (2015): Histologi@: Einführung in die Zytologie und Histologie. Begleitskript zum Kursus Zytologie, Histologie und Mikroskopische Anatomie. München: Anatomische Anstalt der LMU München, ISBN 978-3-95925-008-5 (online)

Goldberg J, Clarner T, Beyer C, Kipp M. Anatomical distribution of cuprizone-induced lesions in C57BL6 mice. J Mol Neurosci 2015;57:166-175. PMID 26067430

Haeussner E, Aschauer B, Burton GJ, Huppertz B, Edler von Koch F, Müller-Starck J, Salafia C, Schmitz C, Frank HG. Does 2D-Histologic identification of villous types of human placentas at birth enable sensitive and reliable interpretation of 3D structure? Placenta 2015;36:1425-1432. PMID 26494606

He X, Hartlieb E, Rothmund L, Waschke J, Wu X, Van Landuyt KL, Milz S, Michalke B, Hickel R, Reichl FX, Högg C. Intracellular uptake and toxicity of three different titanium particles. Dent Mater 2015; 31:734-744. PMID 25910990

Kiessling MC, Milz S, Frank HG, Korbel R, Schmitz C. Radial extracorporeal shock wave treatment harms developing chicken embryos. Sci Rep 2015;5:8281. PMID 25655309

Krauspe B, Dreher W, Beyer C, Baumgartner W, Denecke B, Berger K, Langhans CD, Clarner T, Kipp M. Short-term cuprizone feeding veries N-acetylaspartate quantification as a marker of neuro-degeneration. J Mol Neurosci 2015;55(3):733-48. PMID 25189319

Kruczek D, Clarner T, Beyer C, Kipp M, Mey J. Activation of nuclear receptors RAR, RXR and LXR does not reduce cuprizone-induced demyelination in mice. Nucl Rec Res 2015. doi:10.11131/2015/101163

Kusserow A, Ficklscherer A, Kreuz PC, Finze S, Mittelmeier W, Jansson V, Milz S, Wegener B. Importance of a distal centralizer in experimental malpositioning of cemented stems. A biomechanical study on human femora. Arch Med Sci 2015;11:1324-9. PMID 26788098

Lardenoije R, van den Hove DL, Vaessen TS, Iatrou A, Meuwissen KP, van Hagen BT, Kenis G, Steinbusch HW, Schmitz C, Rutten BP. Epigenetic modifications in mouse cerebellar Purkinje cells: effects of aging, caloric restriction, and overexpression of superoxide dismutase 1 on 5-methylcytosine and 5-hydroxymethylcytosine. Neurobiol Aging 2015;36:3079-3089. PMID 26476235

Mattyasovszky S, Troester S, Schmitz C. Fallbeispiele Akut-RSWT – Anwendung bei Fussballprofis des FSV Mainz 05. medicalsports network 2015;3:42-43.

Milz S, Putz R, Haasters F, Ockert B. Anatomy of the acromioclavicular and coracoclavicular region : Functional and clinical aspects.[Article in German] Unfallchirurg 2015;118:390-396.

Ohl K, Tenbrock K, Kipp M. Oxidative stress in multi sclerosis: central and peripheral mode of action. Exp Neurol 2015;277:58-67. PMID 26626971

Rompe JD, Furia J, Caccio A, Schmitz C, Maffulli N. Radial shock wave treatment alone is less efficient than radial shock wave treatment combined with tissue-specific plantar fascia-stretching in patients with chronic heel pain. Int J Surg 2015;24:135-42. PMID 25940060

Schmidutz F, Sprecher CM, Milz S, Gohlke F, Hertel R, Braunstein V. Resurfacing of the humeral head: An analysis of the bone stock and osseous integration under the implant. J Orthop Res 2015; 33:1382-90. PMID 25808101

Schmitz C. Akut-RSWT. Akute radiale Stosswellentherapie – neue Konzepte und Behandlungs-möglicheiten bei Fussballprofis. medicalsports network 2015;2:26-29.

Schmitz C. Einsatz von Stosswellentherapie bei Spitzensportlern – wann ist das sinnvoll? JATROS Orthopädie 2015;2:36-38.

Schmitz C, Császár NBM, Milz S, Schieker M, Maffulli N, Rompe JD, Furia JP. Efficacy and safety of extracorporeal shock wave therapy for orthopedic conditions: a systematic review on studies listed in the PEDro database. Brit Med Bull 2015;116:115-38. PMID 26585999

Slowik A, Schmidt T, Beyer C, Amor S, Clarner T, Kipp M. The spingosine 1-phosphate receptor agonist FTY720 is neuroprotective after cuprizone-incuded CNS demyelination. Br J Pharmacol 2015;172:80-92. PMID 25220526

Sprecher CM, Schmidutz F, Helfen T, Richards RG, Blauth M, Milz S. Histomorphometric assessment of cancellous and cortical bone material distribution in the proximal humerus of normal and osteoporotic individuals: Significantly reduced bone stock in the metaphyseal and subcapital regions

of osteoporotic individuals. Medicine 2015;94.

Viehöfer AF, Shinohara Y, Sprecher CM, Boszczyk BM, Buettner A, Benjamin M, Milz S. The molecular composition of the extracellular matrix of the human iliolumbar ligament. Spine J 2015;15:1325-31. PMID 24139866

2014

Ficklscherer A, Loitsch T, Serr M, Gülecyüz MF, Niethammer TR, Müller HH, Milz S, Pietschmann MF, Müller PE. Does footprint preparation influence tendon-to-bone healing after rotator cuff repair in an animal model? Arthroscopy 2014;30:188-94. PMID 24485111

Ficklscherer A, Scharf M, Hartl TK, Schröder C, Milz S, Roßbach BP, Gülecyüz MF, Pietschmann MF, Müller PE. Tissue characteristics in tendon-to-bone healing change after rotator cuff repair using botulinumneurotoxin A for temporary paralysis of the supraspinatus muscle in rats. Connect Tiss Res 2014;55:140-6. PMID 24409812

Geith T, Sergiu A, Milz S, Bamberg F, Keilmann F.Visualisation of methacrylate-embedded human bone sections by infrared nanoscopy. J Biophotonics 2014;7:418-24. PMID 23420621

Günther CM, Müller PE, Mutschler W, Sprecher CM, Milz S, Braunstein V. Straight proximal humeral nails are surrounded by more bone stock in comparison to bent nails in an experimental cadaveric study. Patient Saf Surg 2014; 8:18. PMID 24817909

Haeussner E, Buehlmeyer A, Schmitz C, Edler von Koch F, Frank HG. Novel 3D microscopic analysis of human placental villous trees reveals unexpected significance of branching angles. Sci Rep 2014;4:6192. PMID 25155961

Kiessling MC, Büttner A, Butti C, Müller-Starck J, Milz S, Hof PR, Frank HG, Schmitz C. Cerebellar granule cells are generated postnatally in humans. Brain Struct Funct 2014;219:1271-86. PMID 23716277

König MA, Milz S, Bayley E, Boszczyk BM. The direct anterior approach to the thoracolumbar junction: an anatomical feasibility study. Eur Spine J 2014;23:2265-71. PMID 24633718

Korr H, Angstman NB, Born TB, Bosse K, Brauns B, Demmler M, Füller K, Kántor O, Kever BM, Rahimyar N, Salimi S, Silny J, Schmitz C. No evidence of persisting unrepaired nuclear DNA single strand breaks in distinct types of cells in the brain, kidney, and liver of adult mice after continuous eight-week 50 Hz magnetic field exposure with flux density of 0.1 mT or 1.0 mT. PLoS One 2014;10;9. PMID 25302592

Kraus TM, Imhoff FB, Wexel G, Wolf A, Hirsch D, Lenz L, Stöckle U, Buchmann S, Tischer T, Imhoff AB, Milz S, Anton M, Vogt S. Stem cells and basic fibroblast growth factor failed to improve tendon healing: an in vivo study using lentiviral gene transfer in a rat model. J Bone Joint Surg Am 2014;96:761-9. PMID 24806013

Kubosch D, Vacariu A, Milz S, Izadpanah K, Südkamp NP, Strohm PC. Anatomical assessment of iliac crest graft size for anterior spondylodesis. Acta Orthop Belg 2014;80:515-21. PMID 26280724

Lenze U, Pohlig F, Seitz S, Ern C, Milz S, Docheva D, Schieker M. Influence of osteogenic stimulation and VEGF treatment on in vivo bone formation in hMSC-seeded cancellous bone scaffolds. BMC Musculoskelet Disord 2014;15:350. PMID 25323565

Malchow B, Strocka S, Frank F, Bernstein HG, Steiner J, Schneider-Axmann T, Hasan A, Reich-Erkelenz D, Schmitz C, Bogerts B, Falkai P, Schmitt A. Stereological investigation of the posterior hippocampus in affective disorders. J Neural Transm 2014; J Neural Transm 2015;122:1019-1033. PMID 25307869

Moore SR, Milz S, Knothe Tate ML. The linea aspera: a virtual case study testing emergence of form and function. Anat Rec 2014;297:273-80. PMID 24347367

Moore SR, Milz S, Knothe Tate ML. Periosteal thickness and cellularity in mid-diaphyseal cross-sections from human femora and tibiae of aged donors. J Anat 2014;224:142-9. PMID 24175932

Müller-Starck J, Büttner A, Kiessling MC, Angstman N, Csaszar NBM, Haeussner E, Hochstrasser T, Sternecker K, Hof PR, Milz S, Frank HG, Schmitz C. No changes in cerebellar microvessel length density in SIDS: implications for pathogenetic mechanisms. J Neuropathol Exp Neurol 2014;73:312-323. PMID 24607967

Schlaudraff KU, Kiessling MC, Császár NBM, Schmitz C. Predictability of the individual clinical outcome of extracorporeal shock wave therapy for cellulite. Clin Cosmet Investig Dermatol 2014;7: 171-183.

Schmitz C. Radiale Stosswelle: Leistungssteigerung bei Profisportlern? Ja – aber bitte richtig informiert. medical sports network 2014;3:44.

Schmitz C, Eastwood BS, Tappan SJ, Glaser JR, Peterson DA, Hof PR. Current automated 3D cell detection methods are not a suitable replacement for manual stereologic cell counting. Front Neuroanat 2014;8:27. PMID 24847213

Sternecker K, Denic M, Geist J. Timing matters: species-specific interactions between spawning time, substrate quality, and recruitment success in three salmonid species. Ecol Evol 2014;4:2749-2758.

Uppal N, Gianatiempo I, Wicinski B, Schmeidler J, Heinsen H, Schmitz C, Buxbaum JD, Hof PR. Neuropathology of the posteroinferior occipitotemporal gyrus in children with autism**.** Mol Autism 2014;24;5:17. PMID 24564936

Uppal N, Wicinski B, Buxbaum JD, Heinsen H, Schmitz C, Hof PR. Neuropathology in the anterior midcingulate cortex of children with autism. J Neuropathol Exp Neurol 2014;73:891-902. PMID 25101703

2013

Brasnejvic I, Lardenoije R, Schmitz C, van der Kolk N, Dickstein DL, Takahashi H, Hof PR, Steinbusch H, Rutten B. Region-specific neuron and synapse loss in the hippocampus of APPSL/PS1 knock-in mice. Transl Neurosci 2013;4:8-9. PMID 24829793

Csaszar NBM. Vom Australischen Institut für Meeresforschung an die Anatomische Anstalt Münchens – Ein Primer für interdisziplinäre Forschung. NeadeA 2013;8-12.

Császár NBM, Schmitz C. Extracorporeal shock wave therapy in musculoskeletal disorders. J Orthop Surg Res 2013;8:22. PMID 23895659

Ficklscherer A, Hartl TK, Scharf M, Sievers B, Schröder C, Milz S, Niethammer T, Pietschmann MF, Müller PE. Effects of selective paralysis of the supraspinatus muscle using botulinum neurotoxin a in rotator cuff healing in rats. J Orthop Res 2013;31:716-23. PMID 23239559

Frank HG, Aschauer, B. Einführung in die Histologische Technik. NeadeA 2013;1-5.

Haeussner E, Schmitz C, Edler von Koch F, Frank HG. Birth Weight correlates with Size but not Shape of the Normal Human Placenta. Placenta 2013;34:574-82. PMID 23672847

Hofmann-Kiefer KF, Chappell D, Knabl J, Frank HG, Martinoff N, Conzen P, Becker BF, Rehm M. Placental Syncytiotrophoblast Maintains a Specific Type of Glycocalyx at the Fetomaternal Border: The Glycocalyx at the Fetomaternal Interface in Healthy Women and Patients With HELLP Syndrome. Repr Sci 2013; 20:1237-45. PMID 23585336

Hoppe S, Alini M, Benneker LM, Milz S, Boileau P, Zumstein MA. Tenocytes of chronic rotator cuff tendon tears can be stimulated by platelet-released growth factors. J Shoulder Elbow Surg 2013;22:340-9. PMID 22521394

Kiessling MC, Büttner A, Butti C, Müller-Starck J, Milz S, Hof PR, Frank HG, Schmitz C. Intact numbers of cerebellar purkinje and granule cells in sudden infant death syndrome: a stereologic analysis and critical review of neuropathologic evidence. J Neuropathol Exp Neurol 2013;72:861-70. PMID 23965745

Kirchhoff C, Kirchhoff S, Sprecher CM, Ahrens P, Imhoff AB, Hinterwimmer S, Milz S, Braunstein V. X-treme CT analysis of cancellous bone at the rotator cuff insertion in human individuals with osteoporosis: superficial versus deep quality. Arch Orthop Trauma Surg 2013;133:381-7. PMID 23224427

Kubosch D, Windolf M, Milz S, Südkamp NP, Strohm PC. Biomechanical comparison of three types of bone graft for anterior spondylodesis. Technol Health Care 2013;21:315-22. PMID 23949172

Müller-Starck J. Histologi@ - ein bedeutender Meilenstein in der Lehre der mikroskopischen Anatomie. NeadeA 2013;18-19.

Sandmann GH, Adamczyk C, Grande Garcia E, Doebele S, Buettner A, Milz S, Imhoff AB, Vogt S, Burgkart R, Tischer T. Biomechanical comparison of menisci from different species and artificial constructs. BMC Musculoskelet Discord 2013;14:324. PMID 24237933

Schmitz C, Császár NBM, Rompe JD, Chaves H, Furia JP. Treatment of chronic plantar fasciopathy with extracorporeal shock waves (review). J Orthop Surg Res 2013;8:31.

Sprecher CM, Gahlert M, Röhling S, Kniha H, Gueorguiev B, Milz S. Comparison of imaging methods used for dental implant osseous integration assessment. J Mater Sci Mater Med 2013;24:2195-2200. PMID23838879

Sternecker K, Wild R, Geist J. Effects of substratum restoration on salmonid habitat quality in a subalpine stream. Environmental Biology of Fishes 2013. ISSN 0378-1909. Environ Biol Fish DOI 10.1007/s10641-013-0111-0

Volkmer E, Leicht U, Moritz M, Schwarz C, Wiese H, Milz S, Matthias P, Schloegl W, Friess W, Goettlinger M, Augat P, Schieker M. Poloxamer-based hydrogels hardening at body core temperature as carriers for cell based therapies: in vitro and in vivo analysis. J Mater Sci Mater Med 2013;24:2223-34. PMID 23712537

2012

Arora R, Milz S, Sprecher C, Sitte I, Blauth M, Lutz M. Behaviour of ChronOS™ Inject in metaphyseal bone defects of distal radius fractures: Tissue reaction after 6-15 months. Injury (Int. J. Care Injured) 2012;43:1683-8.

Chatuparisute P, Shinohara Y, Kirchhoff C, Fischer F, Milz S. Immunohistochemical composition of the human lunotriquetral interosseous ligament. Appl Immunohistochem Mol Morphol 2012;20:318-24. PMID 22505013

Chouliaras L, van den Hove DL, Kenis G, Keitel S, Hof PR, van Os J, Steinbusch HW, Schmitz C, Rutten BP. Prevention of age-related changes in hippocampal levels of 5-methylcytidine by caloric restriction. Neurobiol Aging 2012;33:1672-1681. PMID 21764481

Chouliaras L, van den Hove DL, Kenis G, Keitel S, Hof PR, van Os J, Steinbusch HW, Schmitz C, Rutten BP. Age-related increase in levels of 5-hydroxymethylcytosine in mouse hippocampus is prevented by caloric restriction. Current Alz Res 2012;9:536-544. PMID 22272625

Gantert M, Kreczmanski P, Kuypers E, Jellema R, Strackx E, Bastian N, Gavilanes AW, Zimmermann LJ, Garnier Y, Schmitz C, Kramer BW. Effects of in utero endotoxemia on the ovine fetal brain: A model for schizophrenia? Front Biosci (Elite Ed). 2012;4:2845-53. PMID 22652683

Höistad M, Heinsen H, Schmitz C, Hof PR. Stereologic assessment of the dorsal anterior cingulate cortex in schizophrenia: absence of changes in neuronal and glial densities. Neuropathol. Applied Neurobiol 2012;39:348-61. PMID 22860626

Jacot-Descombes S, Uppal N, Wicinski B, Santos M, Schmeidler J, Giannakopoulos P, Heinsein H, Schmitz C, Hof PR. Decreased pyramidal neuron size in Brodmann areas 44 and 45 in patients with autism. Acta Neuropathol 2012;124:67-79. PMID 22467063

Kirchhoff C, Braunstein V, Milz S, Sprecher CM, Kirchhoff S, Graw M, Imhoff AB, Hinterwimmer S. Age and gender as determinants of the bone quality of the greater tuberosity: A HR-pQCT cadaver study. BMC Musculoskelet Disord 2012;13:221. PMID 23148627

Knothe Tate ML, Tami AE, Netrebko P, Milz S, Docheva D. Multiscale computational and experimental approaches to elucidate bone and ligament mechanobiology using the ulna-radius-interosseous membrane construct as a model system. Technol Health Care 2012;20:363-78.

Midilli R, Gode S, Karci B, Orhan M, Saylam CY. The clinical value of the novel cauterization procedure for the inferior turbinate artery during turbinate surgery. Eur Arch Otorhinolaryngol 2012;269:1629-33. PMID 22134669

Milz S. Spine function: a concert of many different players. J Anat 2012;221:479.

Ockert B, Braunstein V, Sprecher C, Shinohara Y, Kirchhoff C, Milz S. Attachment sites of the coracoclavicular ligaments are characterized by fibrocartilage differentiation. A study on human cadaveric tissue. Scand J Med Sci Spor 2012;22:12-7.

2011

Bartels H, Fazekas U, Youson JH, Potter IC. Changes in the cellular composition of the gill epithelium during the cycle of a nonpararsitic lamprey. Functional and evolutionary implications. Can J Zool 2011;89;538-545.

Braunstein V, Duda S, Sprecher CM, Brighenti V, Arora R, Tami A, Lutz M, Milz S. [Comparison of regional distribution of cancellous bone in osteoporotic and non-osteoporotic distal radii]. Unfallchirurg 2011;114:424-30. German. PMID 21448676

Chouliaras L, van den Hove DL, Kenis G, Dela Cruz J, Lemmens MA, van Os J, Steinbusch HW, Schmitz C, Rutten BP. Caloric restriction attenuates age-related changes of DNA methyltransferase 3a in

mouse hippocampus. Brain Behav Immun 2011;25:616-23. PMID 21172419

Chouliaras L, van den Hove DL, Kenis G, Keitel S, Hof PR, van Os J, Steinbusch HW, Schmitz C, Rutten BP. Prevention of age-related changes in hippocampal levels of 5-methylcytidine by caloric restriction. Neurobiol Aging 2011;33:1672-81. PMID 21764481

Frank HG. Placental Development. In: Fetal and Neonatal Physiology. Polin RA, Fox WW, Abman SH eds. p. 108 ff. Elsevier Saunders. Philadelphia. ISBN 978-1-4160-3479-7. 2011

Kessler C, Greindl A, Breuer B, Haberl U, Rybka A, Emgenbroich M, Frank HG, Pötgenset A. Erythropoietin mimetic compound AGEM400(HES) binds to the same receptor as erythropoietin but displays a different spectrum of activities. Cytokine 2011;57:226-37. PMID 22142701

Kubosch D, Milz S, Lohrmann C, Schwieger K, Konstantinidis L, Sprecher CM, Südkamp NP, Strohm PC. Risk of graft fracture after dorso-ventral thoraco-lumbar spondylodesis: is there a correlation with graft size? Eur Spine J 2011;20:1644-9. PMID 21748494

Küper C, Bartels H, Beck FX, Neuhofer W. Cyclooxygenase-2-dependent phosphorylation of the pro-apoptotic protein Bad inhibits tonicity-induced apoptosis in renal medullary cells. Kidney Int 2011;80:938-45. PMID 21716255

Lemmens MA, Sierksma AS, Rutten BP, Dennissen F, Steinbusch HW, Lucassen PJ, Schmitz C. Age-related changes of neuron numbers in the frontal cortex of a transgenic mouse model of Alzheimer's disease. Brain Struct Funct 2011;216:227-37. PMID 21409417

Richter A, Lübbing M, Frank HG, Nolte I, Bullerdiek JC, von Ahsen I. High-mobility group protein HMGA2-derived fragments stimulate the proliferation of chondrocytes and adpose tissue-derived stem cells. Eur Cell Mater 2011;21:355-63. PMID 21484705

Salzmann GM, Buchberger MS, Stoddart MJ, Grad S, Milz S, Niemyer P, Sudkamp NP, Imhoff AB, Alini M. Varying regional topology within knee articular chondrocytes under simulated in vivo conditions. Tissue Eng Part A 2011;17:451-61. PMID 20807006

Santos M, Uppal N, Butti C, Wicinski B, Schmeidler J, Giannakopoulos P, Heinsen H, Schmitz C, Hof PR. von Economo neurons in autism: a stereologic study of the frontoinsular cortex in children. Brain Res 2011;1380:206-17. PMID 20801106

Steinbrück A, Milz S, Woiczinski M, Schröder C, Utzschneider S, Jansson V, Fottner A. Anatomie und Biomechanik des Patellofemoralgelenks: Physiologische Gegebenheiten und Veränderungen nach Implantation einer Knietotalendoprothese. Orthopäde 2011;40:848-854. PMID 21938492

2010

Frank HG, Schmitz C. Der Mensch und „seine" Placenta: Was bedeuten die beiden wirklich füreinander? NeadeA 2010; 4-8.

Hasler C, Sprecher CM, Milz S. Comparison of the immature sheep spine and the growing human spine: a spondylometric database for growth modulating research. Spine 2010;1;35:E1262-72. PMID 20938392

Kubosch D, Milz S, Sprecher CM, Südkamp NP, Müller CA, Strohm PC. Effect of graft size on graft fracture rate after anterior lumbar spinal fusion in a sheep model. Injury 2010;41:768-71. PMID 19740465

Kuipers H, Schnorfeil FM, Fehling HJ, Bartels H, Brocker T. Dicer-dependent microRNAs control maturation, function, and maintenance of Langerhans cells in vivo. J Immunol 2010;185:400-9. PMID 20530258

Ibrahim MI, Donatelli RA, Schmitz C, Hellman MA, Buxbaum F. Chronic plantar fasciitis treated with two sessions of radial extracorporeal shock wave therapy. Foot Ankle Int 2010;31:391-7. PMID 20460065

Kiessling M. 7482 Nissl-Chloroform Upper East Side: Ein Labor-Erlebnisbericht. NeadeA 2010; 26-29.

Lauria G, Bakkers M, Schmitz C, Lombardi R, Penza P, Devigili G, Smith AG, Hsieh ST, Mellgren SI, Umapathi T, Ziegler D, Faber CG, Merkies IS. Intraepidermal nerve fiber density at the distal leg: a worldwide normative reference study. J Peripher Nerv Syst 2010;15:202-7. PMID 21040142

Lemmens MA, Steinbusch HW, Rutten BP, Schmitz C. Advanced microscopy techniques for quantitative analysis in neuromorphology and neuropathology research: current status and requirements for the future. J Chem Neuroanat 2010;40:199-209. PMID 20600825

Michelsen KA, Korr H, Steinbusch HW, Schmitz C. Presenilin 1-related alterations in DNA integrity in a transgenic mouse model of Alzheimer's disease. Brain Res 2010;1316:139-44. PMID 20034479

Niemeyer P, Fechner K, Milz S, Richter W, Suedkamp NP, Mehlhorn AT, Pearce S, Kasten P. Comparison of mesenchymal stem cells from bone marrow and adipose tissue for bone regeneration in a critical size defect of the sheep tibia and the influence of platelet-rich plasma. Biomaterials 2010;31:3572-9. PMID 20153047

Niemeyer P, Schönberger TS, Hahn J, Kasten P, Fellenberg J, Suedkamp N, Mehlhorn AT, Milz S, Pearce S. Xenogenic transplantation of human mesenchymal stem cells in a critical size defect of the sheep tibia for bone regeneration. Tissue Eng Part A 2010;16:33-43. PMID 19604039

Orhan M, Govsa F, Saylam C. A quite rare condition: absence of sphenoidal sinuses. Surg Radiol Anat 2010;32:551-3. PMID 20082077

Orhan M, Govsa F, Saylam C. A surgical view of the superior nasal turbinate: anatomical study. Eur Arch Otorhinolaryngol 2010;267:909-16. PMID 20012078

Orhan M, Midilli R, Gode S, Saylam CY, Karci B. Blood supply of the inferior turbinate and its clinical applications. Clin Anat 2010;23:770-6. PMID 20607822

Pautke C, Vogt S, Kreutzer K, Haczek C, Wexel G, Kolk A, Imhoff AB, Zitzelsberger H, Milz S, Tischer T. Characterization of eight different tetracyclines: advances in fluorescence bone labeling. J Anat 2010;217:76-82. PMID 20456523

Rompe JD, Cacchio A, Weil L, Furia JP, Haist J, Reiners V, Schmitz C, Maffulli N. Plantar fascia-specific stretching versus radial shock-wave therapy as initial treatment of plantar fasciopathy. J Bone Joint Surg Am 2010;92:2514-22. PMID 21048171

Rutten BP, Brasnjevic I, Steinbusch HW, Schmitz C. Caloric restriction and aging but not overexpression of SOD1 affect hypocampal volumes in mice. Mech Ageing Dev 2010;131:574-9. PMID 20728464

Rutges J, Creemers LB, Dhert W, Milz S, Sakai D, Mochida J, Alini M, Grad S. Variations in gene and protein expression in human nucleus pulposus in comparison with annulus fibrosus and cartilage

cells: potential associations with aging and degeneration. Osteoarthritis Cartilage 2010;18:416-23. PMID 19833252

Schmitz C. “Design based” Stereologie – eine ganz kurze Einführung. NeadeA 2010; 9-13.

Strohm PC, Kubosch DC, Sprecher CM, Schmal H, Südkamp NP, Milz S. [Graft integration in the lumbar spine of bovine cancellous bone compared to autologous iliac crest in a sheep model]. Z Orthop Unfall 2010;148:666-73. PMID 20648420

Takahashi H, Brasnjevic I, Rutten BP, Van Der Kolk N, Perl DP, Bouras C, Steinbusch HW, Schmitz C, Hof PR, Dickstein DL. Hippocampal interneuron loss in an APP/PS1 double mutant mouse and in Alzheimer's disease. Brain Struct Funct 2010;214:145-60. PMID 3038332

Tischer T, Aryee S, Wexel G, Steinhauser E, Adamczyk C, Eichhorn S, Milz S, Martinek V, Gänsbacher B, Imhoff AB, Vogt S. Tissue engineering of the anterior cruciate ligament-sodium dodecyl sulfate-acellularized and revitalized tendons are inferior to native tendons. Tissue Eng Part A 2010;16:1031-40. PMID 19845462

Wegener B, Schrimpf FM, Bergschmidt P, Pietschmann MF, Utzschneider S, Milz S, Jansson V, Müller PE. Cartilage regeneration by bone marrow cells-seeded scaffolds. J Biomed Mater Res A 2010;95:735-40. PMID 20725984