



## Publikationsliste - PD Dr. C. Stehling:

### Originalarbeiten, Übersichtsartikel und Fallberichte

1. Link TM, Vieth V, **Stehling C**, Lotter A, Beer A, Newitt D, Majumdar S. High-resolution MRI vs multislice spiral CT: which technique depicts the trabecular bone structure best? *Eur Radiol* 2003;13(4):663-671.
2. **Stehling C**, Niederstadt T, Kramer S, Kugel H, Schwindt W, Heindel W, Bachmann R. [Comparison of a T1-weighted inversion-recovery-, gradient-echo- and spin-echo sequence for imaging of the brain at 3.0 Tesla]. *Rofo* 2005; 177:536-542.
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4. **Stehling C**, Vieth V, Bachmann R, Nassenstein I, Kugel H, Kooijman H, Heindel W, Fischbach R. High-resolution magnetic resonance imaging of the temporomandibular joint: image quality at 1.5 and 3.0 Tesla in volunteers. *Invest Radiol* 2007; 42:428-434.
5. Bachmann R, Nassenstein I, Kooijman H, Dittrich R, **Stehling C**, Kugel H, Niederstadt T, Kuhlenbaumer G, Ringelstein EB, Kramer S, Heindel W. High-resolution magnetic resonance imaging (MRI) at 3.0 Tesla in the short-term follow-up of patients with proven cervical artery dissection. *Invest Radiol* 2007; 42:460-466.
6. **Stehling C**, Wersching H, Kloska SP, Kirchhof P, Ring J, Nassenstein I, Allkemper T, Knecht S, Bachmann R, Heindel W. Detection of asymptomatic cerebral microbleeds: a comparative study at 1.5 and 3.0 T. *Acad Radiol* 2008; 15:895-900.
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8. Knecht S, Oelschlager C, Duning T, Lohmann H, Albers J, **Stehling C**, Heindel W, Breithardt G, Berger K, Ringelstein EB, Kirchhof P, Wersching H. Atrial fibrillation in stroke-free patients is associated with memory impairment and hippocampal atrophy. *Eur Heart J* 2008; 29:2125-2132.
9. **Stehling C**, Bachmann R, Langer M, Nassenstein I, Heindel W, Vieth V. High-resolution magnetic resonance imaging of triangular fibrocartilage complex lesions in acute wrist trauma: image quality at different field strengths. *J Comput Assist Tomogr* 2009; 33:579-583..
10. **Stehling C**, Langer M, Bachmann R, Kraemer S, Kooijman H, Heindel W, Vieth V. Three-Tesla magnetic resonance imaging of the wrist: diagnostic performance compared to 1.5-T. *J Comput Assist Tomogr* 2009; 33:934-939.
11. **Stehling C**, Langer M, Nassenstein I, Bachmann R, Heindel W, Vieth V. High resolution 3.0 Tesla MR imaging findings in patients with bilateral Madelung's deformity. *Surg Radiol Anat* 2009;31(7):551-557.
12. Wong S, Steinbach L, Zhao J, **Stehling C**, Ma CB, Link TM. Comparative study of imaging at 3.0 T versus 1.5 T of the knee. *Skeletal Radiol* 2009; 38:761-769.



13. Krug R, **Stehling C**, Kelley DA, Majumdar S, Link TM. Imaging of the musculoskeletal system in vivo using ultra-high field magnetic resonance at 7 T. *Invest Radiol* 2009; 44:613-618.
14. **Stehling C**, Liebl H, Krug R, Lane NE, Nevitt MC, Lynch J, McCulloch CE, Link TM. Patellar cartilage: T2 values and morphologic abnormalities at 3.0-T MR imaging in relation to physical activity in asymptomatic subjects from the osteoarthritis initiative. *Radiology* 2010; 254:509-520.
15. Ristow O, **Stehling C**, Krug R, Steinbach L, Sabo G, Ambekar A, Huber M, Link TM. Isotropic 3-dimensional fast spin echo imaging versus standard 2-dimensional imaging at 3.0 T of the knee: artificial cartilage and meniscal lesions in a porcine model. *J Comput Assist Tomogr* 2010; 34:260-269.
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18. Buerke B, Puesken M, Wittkamp G, **Stehling C**, Ditt H, Seidensticker P, Wessling J, Heindel W, Kloska SP. Bone subtraction CTA for transcranial arteries: intra-individual comparison with standard CTA without bone subtraction and TOF-MRA. *Clin Radiol* 2010; 65:440-446.
19. Langer MF, Vieth V, **Stehling C**, Surke C. [Robert Kienbock and Kienbock's Disease - A Historical Report]. *Handchir Mikrochir Plast Chir* 2010; 42:153-156.
20. Luke AC, **Stehling C**, Stahl R, Li X, Kay T, Takamoto S, Ma B, Majumdar S, Link T. High-field magnetic resonance imaging assessment of articular cartilage before and after marathon running: does long-distance running lead to cartilage damage? *Am J Sports Med* 2010; 38:2273-2280.
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23. Li X, Kuo D, Theologis A, Carballido-Gamio J, **Stehling C**, Link TM, Ma CB, Majumdar S. Cartilage in anterior cruciate ligament-reconstructed knees: MR imaging T1{rho} and T2--initial experience with 1-year follow-up. *Radiology* 2011; 258:505-514.
24. Ruscheweyh R, Deppe M, Lohmann H, **Stehling C**, Floel A, Ringelstein EB, Knecht S. Pain is associated with regional grey matter reduction in the general population. *Pain* 2011;152(4):904-911.



25. **Stehling C**, Luke A, Stahl R, Baum T, Joseph G, Pan J, Link TM. Meniscal T1rho and T2 measured with 3.0T MRI increases directly after running a marathon. *Skeletal Radiol* 2011, 40:725-735.
26. **Stehling C**, Baum T, Mueller-Hoecker C, Liebl H, Carballido-Gamio J, Joseph GB, Majumdar S, Link TM. A novel fast knee cartilage segmentation technique for T2 measurements at MR imaging--data from the Osteoarthritis Initiative. *Osteoarthritis Cartilage* 2011; 19:984-989.
27. Hovis KK, **Stehling C**, Souza RB, Haughom BD, Baum T, Nevitt M, McCulloch C, Lynch JA, Link TM. Physical activity is associated with magnetic resonance imaging-based knee cartilage T2 measurements in asymptomatic subjects with and those without osteoarthritis risk factors. *Arthritis Rheum* 2011;63(8):2248-2256.
28. Baum T, **Stehling C**, Joseph GB, et al. Changes in knee cartilage T2 values over 24 months in subjects with and without risk factors for knee osteoarthritis and their association with focal knee lesions at baseline: data from the osteoarthritis initiative. *J Magn Reson Imaging* 2012; 35:370-378.
29. Subburaj K, Souza RB, **Stehling C**, Wyman BT, Le Graverand-Gastineau MP, Link TM, Li X, Majumdar S. Association of MR relaxation and cartilage deformation in knee osteoarthritis. *J Orthop Res* 2012;30(6):919-926.
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32. Lange T, **Stehling C**, Fröhlich B, Klingenhofer M, Kunkel P, Schneppenheim R, Escherich G, Gosheger G, Harges J, Jurgens H, Schulte TL. Denosumab: a potential new and innovative treatment option for aneurysmal bone cysts. *Eur Spine J* 2013;22(6):1417-1422.
33. Speer P, Wersching H, Bruchmann S, Bracht D, **Stehling C**, Thielsch M, Knecht S, Lohmann H. Age- and gender-adjusted normative data for the German version of Rey's Auditory Verbal Learning Test from healthy subjects aged between 50 and 70 years. *J Clin Exp Neuropsychol* 2014;36(1):32-42.
34. Allkemper T, Sagmeister F, Cicinnati V, Beckebaum S, Kooijman H, Kanthak C, **Stehling C**, Heindel W. Evaluation of Fibrotic Liver Disease with Whole-Liver T1rho MR Imaging: A Feasibility Study at 1.5 T. *Radiology* 2014;271(2):408-415.

### Buchbeiträge

1. **Stehling C**: Scoring Systems to Semi-quantitatively Grade Cartilage Pathology with MRI. in: *Cartilage Imaging: Significance, Techniques, and New Developments*. Hrsg: Link TM. 1. Auflage. Springer 2011, Veröffentlichung am 29.4.11