

**Journalbeiträge**

1. Dittmann K, Wuelling M, Uhmman A, Dullin C, Hahn H, Schweyer S, Vortkamp A, Wienands J (2014) Inactivation of patched1 in murine chondrocytes causes spinal fusion without inflammation. *ARTHRITIS RHEUM* 66(4): 831-40, doi: 10.1002/art.38325
2. Fasshauer M, Joseph AA, Kowallick JT, Unterberg-Buchwald C, Merboldt KD, Voit D, Steinmetz M, Staab W, Schaetz S, Zhang S, Frahm J, Lotz J, Sohns JM (2014) Real-time phase-contrast flow MRI of haemodynamic changes in the ascending aorta and superior vena cava during Mueller manoeuvre. *CLIN RADIOL* 69(10): 1066-71, doi: 10.1016/j.crad.2014.06.004
3. Hösch O, Sohns JM, Nguyen TT, Lauerer P, Rosenberg C, Kowallick JT, Kutty S, Unterberg C, Schuster A, Faßhauer M, Staab W, Paul T, Lotz J, Steinmetz M (2014) The total right/left-volume index: a new and simplified cardiac magnetic resonance measure to evaluate the severity of Ebstein anomaly of the tricuspid valve: a comparison with heart failure markers from various modalities. *CIRC-CARDIOVASC IMAG* 7(4): 601-9, doi: 10.1161/CIRCIMAGING.113.001467
4. Joseph A, Kowallick JT, Merboldt KD, Voit D, Schaetz S, Zhang S, Sohns JM, Lotz J, Frahm J (2014) Real-time flow MRI of the aorta at a resolution of 40 msec. *J MAGN RESON IMAGING* 40(1): 206-13, doi: 10.1002/jmri.24328
5. Kallenberg K, Goldmann T, Menke J, Strik H, Bock HC, Mohr A, Buhk JH, Frahm J, Dechent P, Knauth M (2014) Abnormalities in the normal appearing white matter of the cerebral hemisphere contralateral to a malignant brain tumor detected by diffusion tensor imaging. *FOLIA NEUROPATHOL* 52(3): 226-33
6. Kowallick JT, Joseph AA, Unterberg-Buchwald C, Fasshauer M, van Wijk K, Merboldt KD, Voit D, Frahm J, Lotz J, Sohns JM (2014) Real-time phase-contrast flow MRI of the ascending aorta and superior vena cava as a function of intrathoracic pressure (Valsalva manoeuvre). *BRIT J RADIOL* 87(1042): 20140401, doi: 10.1259/bjr.20140401
7. Kowallick JT, Lamata P, Hussain ST, Kutty S, Steinmetz M, Sohns JM, Fasshauer M, Staab W, Unterberg-Buchwald C, Bigalke B, Lotz J, Hasenfuß G, Schuster A (2014) Quantification of left ventricular torsion and diastolic recoil using cardiovascular magnetic resonance myocardial feature tracking. *PLOS ONE* 9(10): e109164, doi: 10.1371/journal.pone.0109164
8. Kowallick JT, Kutty S, Edelmann F, Chiribiri A, Villa A, Steinmetz M, Sohns JM, Staab W, Bettencourt N, Unterberg-Buchwald C, Hasenfuß G, Lotz J, Schuster A (2014) Quantification of left atrial strain and strain rate using Cardiovascular Magnetic Resonance myocardial feature tracking: a feasibility study. *J CARDIOVASC MAGN R* 16(1): 60, doi: 10.1186/s12968-014-0060-6
9. Markus MA, Dullin C, Mitkovski M, Prieschl-Grassauer E, Epstein MM, Alves F (2014) Non-invasive optical imaging of eosinophilia during the course of an experimental allergic airways disease model and in response to therapy. *PLOS ONE* 9(2): e90017, doi: 10.1371/journal.pone.0090017
10. Menke J (2014) Bayesian bivariate meta-analysis of sensitivity and specificity: summary of quantitative findings in 50 meta-analyses. *J EVAL CLIN PRACT* 20(6): 844-52, doi: 10.1111/jep.12173
11. Menke J, Kühnle I (2014) Tuberculous peritonitis with infracarinal mass and elevated CA-125 in a 13-year-old girl. *INFECTION* 42(2): 415-8, doi: 10.1007/s15010-013-0521-0
12. Menke J, Möller G (2014) Cerebral near-infrared spectroscopy correlates to vital parameters during cardiopulmonary bypass surgery in children. *PEDIATR CARDIOL* 35(1): 155-63, doi: 10.1007/s00246-013-0754-9
13. Menke J, Pauli S, Sigler M, Kühnle I, Shoukier M, Zoll B, Ganster C, Salinas-Riester G, Schaefer IM (2014) Uniparental Trisomy of a Mutated HRAS Proto-Oncogene in Embryonal Rhabdomyosarcoma of a Patient With Costello Syndrome. *J CLIN ONCOL* 33(13): e62-e65, doi: 10.1200/JCO.2013.49.6539
14. Menke J, Schramm P, Sohns JM, Kallenberg K, Staab W (2014) Diagnosing flow residuals in coiled cerebral aneurysms by MR angiography: meta-analysis. *J NEUROL* 261(4): 655-62, doi: 10.1007/s00415-013-7053-5
15. Mohammadi S, Larsson E, Alves F, Dal Monego S, Biffi S, Garrovo C, Lorenzon A, Tromba G, Dullin C (2014) Quantitative evaluation of a single-distance phase-retrieval method applied on in-line phase-contrast images of a mouse lung. *J SYNCHROTRON RADIAT* 21(Pt 4): 784-9, doi: 10.1107/S1600577514009333
16. Quarch VMA, Enderle E, Lotz J, Frosch KH (2014) Fate of large donor site defects in osteochondral transfer procedures in the knee joint with and without TruFit plugs. *ARCH ORTHOP TRAUM SU* 134(5): 657-66, doi: 10.1007/s00402-014-1930-y
17. Rödiger T, Kupis J, Konietschke F, Dullin C, Drebenstedt S, Hülsmann M (2014) Comparison of hand and rotary instrumentation for removing gutta-percha from previously treated curved root canals: a microcomputed tomography study. *INT ENDOD J* 47(2): 173-82, doi: 10.1111/iej.12128
18. Rödiger T, Reicherts P, Konietschke F, Dullin C, Hahn W, Hülsmann M (2014) Efficacy of reciprocating and rotary NiTi instruments for retreatment of curved root canals assessed by micro-CT. *INT ENDOD J* 47(10): 942-8, doi: 10.1111/iej.12239

19. [Sohns JM](#), [Menke J](#), [Staab W](#), [Spiro J](#), [Fasshauer M](#), [Kowallick JT](#), [Bergau L](#), [Zwaka PA](#), [Unterberg-Buchwald C](#), [Lotz J](#), [Schwarz A](#) (2014) Current role of cardiac and extra-cardiac pathologies in clinically indicated cardiac computed tomography with emphasis on status before pulmonary vein isolation. ROFO-FORTSCHR RONTG 186(9): 860-7, doi: 10.1055/s-0034-1366107
20. [Sohns JM](#), [Schwarz A](#), [Menke J](#), [Staab W](#), [Spiro JE](#), [Lotz J](#), [Unterberg-Buchwald C](#) (2014) Prevalence and clinical relevance of extracardiac findings at cardiac MRI. J MAGN RESON IMAGING 39(1): 68-76, doi: 10.1002/jmri.24142
21. [Sohns JM](#), [Staab W](#), [Dabir D](#), [Spiro JE](#), [Bergau L](#), [Schwarz A](#), [Sohns C](#) (2014) Current role and future potential of magnetic resonance cholangiopancreatography with an emphasis on incidental findings. CLIN IMAG 38(1): 35-41, doi: 10.1016/j.clinimag.2013.08.015
22. [Staab W](#), [Sohns C](#), [Zwaka PA](#), [Sohns JM](#), [Schwarz A](#), [Schneider S](#), [Vollmann D](#), [Zabel M](#), [Hasenfuß G](#), [Lotz J](#) (2014) Split-bolus single-phase cardiac multidetector computed tomography for reliable detection of left atrial thrombus: comparison to transesophageal echocardiography. ROFO-FORTSCHR RONTG 186(11): 1009-15, doi: 10.1055/s-0034-1366247
23. [Staab W](#), [Bergau L](#), [Lotz J](#), [Sohns C](#) (2014) Prevalence of noncardiac findings in computed tomography angiography before transcatheter aortic valve replacement. J Cardiovasc Comput Tomogr 8(3): 222-9, doi: 10.1016/j.jcct.2014.03.004
24. [Staab W](#), [Bergau L](#), [Schuster A](#), [Hinojar R](#), [Dorenkamp M](#), [Obenauer S](#), [Lotz J](#), [Sohns C](#) (2014) Detection of intracardiac masses in patients with coronary artery disease using cardiac magnetic resonance imaging: a comparison with transthoracic echocardiography. INT J CARDIOVAS IMAG 30(3): 647-57, doi: 10.1007/s10554-013-0357-9
25. [Staab W](#), [Hottowitz R](#), [Sohns C](#), [Sohns JM](#), [Gilbert F](#), [Menke J](#), [Niklas A](#), [Lotz J](#) (2014) Accelerometer and gyroscope based gait analysis using spectral analysis of patients with osteoarthritis of the knee. J PHYS THER SCI 26(7): 997-1002, doi: 10.1589/jpts.26.997
26. [Stuermer EK](#), [Komrakova M](#), [Sehmisch S](#), [Tezval M](#), [Dullin C](#), [Schaefer N](#), [Hallecker J](#), [Stuermer KM](#) (2014) Whole body vibration during fracture healing intensifies the effects of estradiol and raloxifene in estrogen-deficient rats. BONE 64: 187-94, doi: 10.1016/j.bone.2014.04.008