

Publikationen 2012

Klinik und Poliklinik für diagnostische Radiologie
Universitätsklinikum Hamburg-Eppendorf

Originalien

Avanesov M, Karul M, Yamamura J. Brandneuer "Fitnesstest" im MRT. Radiologe. 2012 Aug; 52(8):703-704.

Bannas P, Kröger N, Adam G, Derlin T. Modern Imaging Techniques in Patients with Multiple Myeloma Rofo. 2012 Nov 29. [Epub ahead of print]

Bannas P, Hentschel HB, Bley TA, Treszl A, Eulenburg C, Derlin T, Yamamura J, Adam G, Stübig T, Kröger N, Weber C. Diagnostic performance of whole-body MRI for the detection of persistent or relapsing disease in multiple myeloma after stem cell transplantation. Eur Radiol. 2012 Sep;22(9):2007-12.

Bannas P, Groth M, Rybczynski M, Sheikhzadeh S, von Kodolitsch Y, Graessner J, Lund G, Adam G, Habermann CR. Assessment of aortic root dimensions in patients with suspected Marfan syndrome: Intraindividual comparison of contrast-enhanced and non-contrast magnetic resonance angiography with echocardiography. Int J Cardiol. 2012 Jan 10. [Epub ahead of print]

Bannas P, Habermann CR, Yamamura J, Bley TA.
Severe Haemorrhage after Liver Biopsy of Malignant B-Cell Lymphoma Mimicking Hepatic Infection. Rofo. 2012 Oct 29. [Epub ahead of print]

Bannas P, Groth M, Lund G. Typical cardiac MRI findings of a prominent crista terminalis mimicking a right atrial mass on echocardiography. Rofo. 2012 Aug;184(8):740-1.

Bley TA, Ostendorf B, Scherer A, Kellner H, Schmidt WA. [Magnetic resonance angiography in rheumatology]. Z Rheumatol. 2012 Jul;71(5):430-5.

Bley T. How I treat... Z Rheumatol. 2012 Nov;71(9):776-7.

Busch JD, Herrmann J, Heller F., Derlin T, Koops A, Adam G, Habermann CR. Follow-up of radiologically totally implanted central venous access ports of the upper arm: Long-term complications in 127750 catheter days. AJR Am J Roentgenol. 2012 Aug;199(2):447-52.

Derlin T, Busch JD, Wisotzki C, Schoennagel BP, Bannas P, Papp L, Klutmann S, Habermann CR. Intraindividual Comparison of 123I-mIBG SPECT/MRI, 123I-mIBG SPECT/CT, and MRI for the Detection of Adrenal Pheochromocytoma in Patients With Elevated Urine or Plasma Catecholamines. Clin Nucl Med. 2012 [Epub ahead of print]

Derlin T, Clauditz TS, Quaas A, Habermann CR. Synchronous bronchioloalveolar and squamous cell lung cancer with different 18F-FDG avidity on PET/CT. Clin Nucl Med. 2012, 37:e255-6.

Derlin T, Clauditz TS, Habermann CR. Adrenal epithelioid angiosarcoma metastatic to the epicardium: diagnosis by 18F-FDG PET/CT. Clin Nucl Med. 2012, 37:914-5.

Derlin T, Peldschus K, Münster S, Bannas P, Herrmann J, Stübig T, Habermann CR, Adam G, Kröger N, Weber C. Comparative diagnostic performance of (18)F-FDG PET/CT versus whole-body MRI for

determination of remission status in multiple myeloma after stem cell transplantation. Eur Radiol. 2012 [Epub ahead of print]

Groth M, Müllerleile K, Klink T, Säring D, Halaj S, Folwarski G, Kaul M, Bannas P, Adam G, Lund GK. Improved agreement between experienced and inexperienced observers using a standardized evaluation protocol for cardiac volumetry and infarct size measurement. RoFo 2012, 184:1131-1137

Groth M, Bannas P, Regier M, Buhk JH, Müllerleile K, Adam G, Henes FO. Precision of pulmonary vein diameter measurements assessed by CE-MRA and steady-state-free precession imaging. Eur Radiol. 2012 Dec 20. [Epub ahead of print]

Henes FO, Groth M, Bley TA, Regier M, Nüchtern JV, Ittrich H, Treszl A, Adam G, Bannas P. Quantitative assessment of bone marrow attenuation values at MDCT: an objective tool for the detection of bone bruise related to occult sacral insufficiency fractures. Eur Radiol. 2012 Oct;22(10):2229-36. doi: 10.1007/s00330-012-2472-8. Epub 2012 May 15.

Herrmann J, Krstic N, Schoennagel BP, Sornsakrin M, Derlin T, Busch JD; Petersen, KU, Graessner J, Adam G, Habermann CR. Age-related distribution of vertebral bone-marrow diffusivity. Eur J Radiol 2012;81:4046-4049.

Herrmann J, Schoennagel, BP, Roesch M, Busch JD, Derlin T, Doh L, Petersen, KU, Graessner J, Adam G, Habermann CR. Diffusion-weighted imaging of the healthy pancreas: ADC values are age and gender dependent. J Magn Reson Imaging. 2012 Oct 19. doi: 10.1002/jmri.23871.

Ittrich H, Klutmann S, Adam G (2012) "Intrapancreatic accessory spleen - an important differential diagnosis beside primary pancreatic neoplasms." (2012) Fortschr. Röntgenstr. Nov 15. [Epub ahead of print] PMID: 23154858

Jung C, Groth M, Bley TA, Henes FO, Treszl A, Adam G, Bannas P. Assessment of anemia during CT pulmonary angiography. Eur J Radiol. 2012 Dec;81(12):4196-202. Epub 2012 Aug 11

Karul M, Yamamura J. Nicht-invasive Methoden zur Quantifizierung des Lebereisengehalts bei Krankheitszuständen mit Eisenüberladung. Radiologe. 2012 Mar;52(3):205-206.

Karul M, Neumann A, Yamamura J. Magnetic Resonance-guided High Intensity Focused Ultrasound (MR-HIFU) - die Allroundtherapie der Zukunft? Radiologe. 2012 Jun;52(6):501-502.

Karul M, Avanesov M, Yamamura J. Akute Appendizitis - eine klinische Diagnose? Radiologe. 2012 Nov 2. [Epub ahead of print]

Karul M, Heuer R, Regier M. Multidetektor-Computertomografie der Urolithiasis: Technik und Ergebnisse. Rofo. 2012 Nov 5. [Epub ahead of print]

Klink T, Müller G, Weil J, Dodge-Khatami A, Adam G, Bley TA. Cardiovascular computed tomography angiography in newborns and infants with suspected congenital heart disease: retrospective evaluation of low-dose scan protocols. Clin Imaging. 2012 Nov;36(6):746-53. doi: 10.1016/j.clinimag.2012.01.043. Epub 2012 Jun 8.

Klink T, Holle J, Laudien M, Henes FO, Moosig F, Platzek C, Adam G, Gross WL, Bley TA. MAGMA. 2012 Oct 20. [Epub ahead of print] Magnetic resonance imaging in patients with granulomatosis with polyangiitis (Wegener's) and subglottic stenosis.

Klink T, Regier M, van Stevendaal U, Grass M, Adam G, Begemann P. Accelerating image acquisition in 64-MDCT: the influence of scan parameters on image resolution and quality in a phantom study. Clin Imaging. 2012 Jul-Aug;36(4):334-44. doi: 10.1016/j.clinimag.2011.11.006. Epub 2012 Jun 8.

Klink T, Nagel H, Schwartz B, Regier M, Adam G, Begemann PG. 256-MSCT image acquisition with sequential axial scans: evaluation of image quality and resolution in a phantom study. *Rofo*. 2012 Mar;184(3):248-55. doi: 10.1055/s-0031-1299046. Epub 2012 Jan 30.

Laqmani A, Adam G, Regier M. Pulmonary manifestation of novel swine-origin influenza A (H1N1) virus (S-OIV) infection in immunocompromised patients: initial findings with multidetector computed tomography. *Med Princ Pract*. 2012;21(6):548-53.

Lorenzen J, Schneider A, Körner K, Regier M, Adam G, Nolte-Ernsting C. Post-biopsy arteriovenous fistula in transplant kidney: treatment with superselective transcatheter embolisation. *Eur J Radiol*. 2012 May;81(5):e721-6. doi: 10.1016/j.ejrad.2012.01.037. Epub 2012 Mar 13.

Regier M, Derlin T, Schwarz D, Laqmani A, Henes FO, Groth M, Buhk JH, Kooijman H, Adam G. Diffusion weighted MRI and 18F-FDG PET/CT in non-small cell lung cancer (NSCLC): does the apparent diffusion coefficient (ADC) correlate with tracer uptake (SUV)? *Eur J Radiol*. 2012 Oct;81(10):2913-8. doi: 10.1016/j.ejrad.2011.11.050. Epub 2011 Dec 23.

Ritzel RM, Klose H, Habermann CR. Tracheametastase eines kutanen malignen Melanoms. *Fortschr Röntgenstr* 2012 Aug;184(8):742-3

Salamon J, Derlin T, Bannas P, Busch JD, Herrmann J, Bockhorn M, Hagel C, Friedrich RE, Adam G, Mautner VF. Evaluation of intratumoural heterogeneity on (18)F-FDG PET/CT for characterization of peripheral nerve sheath tumours in neurofibromatosis type 1. *Eur J Nucl Med Mol Imaging*. 2012 Dec 12. [Epub ahead of print]

Yamamura J, Kopp I, Frisch M, Fischer R, Valett K, Hecher K, Adam G, Wedegärtner U. Cardiac MRI of the fetal heart using a novel triggering method: initial results in an animal model. *J Magn Reson Imaging*. 2012 May;35(5):1071-6. doi: 10.1002/jmri.23541. Epub 2012 Jan 13.

in Kooperation mit anderen Kliniken

Apostolova I, Wunder A, Dirnagl U, Michel R, Stemmer N, Lukas M, Derlin T, Gregor-Mamoudou B, Goldschmidt J, Brenner W, Buchert R. Brain perfusion SPECT in the mouse: normal pattern according to gender and age. *Neuroimage*. 2012, 63:1807-17

Bandi P, Zsoter N, Wirth A, Luetzen U, Derlin T, Papp L. New workflows and algorithms of bone scintigraphy based on SPECT-CT. *Conf Proc IEEE Eng Med Biol Soc*. 2012 (2012):5971-5974

Diepenbruck I, Much CC, Krumbholz A, Kolster M, Thieme R, Thieme D, Diepenbruck S, Solano ME, Arck PC, Tolosa E. Effect of prenatal steroid treatment on the developing immune system. *J Mol Med (Berl)*. 2013 Nov;91(11):1293-302. doi: 10.1007/s00109-013-1069-2. Epub 2013 Jul 14.

Gebauer F, Wicklein D, Stübke K, Nehmann N, Schmidt A, Salamon J, Peldschus K, Nentwich MF, Adam G, Tolstonog G, Bockhorn M, Izbicki JR, Wagener C, Schumacher U. Selectin binding is essential for peritoneal carcinomatosis in a xenograft model of human pancreatic adenocarcinoma in pfp--/rag2-- mice. *Gut*. 2013 May;62(5):741-50.

Groth M, Much C, Fiehler J. Manifestation of acute Leriche syndrome as cauda equina syndrome. *Rofo*. 2013 Apr;185(4):375-6. doi: 10.1055/s-0032-1330431. Epub 2013 Feb 25.

Helk E, Bernin H, Ernst T, Ittrich H, Jacobs T, Heeren J, Tacke F, Tannich E, Lotter H. TNF#-Mediated Liver Destruction by Kupffer Cells and Ly6Chi Monocytes during *Entamoeba histolytica* Infection. *PLoS Pathog* 9(1) (2013): e1003096. doi:10.1371/journal.ppat.1003096.

Janning M, Holstein K, Spath B, Schnabel C, Bannas P, Bokemeyer C, Langer F. Relevant bleeding diathesis due to acquired factor XIII deficiency. *Hamostaseologie*. 2013 Oct 30;33 Suppl 1:S50-4.

Janssen T, Bannas P, Herrmann J, Veldhoen S, Busch JD, Treszl A, Münster S, Mester J, Derlin T. Association of linear 18F-sodium fluoride accumulation in femoral arteries as a measure of diffuse calcification with cardiovascular risk factors: A PET/CT study. *J Nucl Cardiol*. 20 (2013):569-577

Münster S, Zustin J, Derlin T. Atypical mycobacteriosis caused by *mycobacterium haemophilum* in an immunocompromised patient: diagnosis by (18)F-FDG PET/CT. *Clin Nucl Med*. 38 (2013):e194-195.

Muellerleile K, Groth M, Steven D, Hoffmann BA, Saring D, Radunski UK, Lund GK, Adam G, Rostock T, Willems S. Cardiovascular magnetic resonance demonstrates reversible atrial dysfunction after catheter ablation of persistent atrial fibrillation. *J Cardiovasc Electrophysiol*. (2013) 762-7

Püschel K, Jopp E, Gehl A, Krebs O, Paradowski I, Fuhrmann A, Yamamura J, Karul M, Stöckel U, Bär J, Germer R. "Fake" aus Norddeutschland statt ägyptischer Mumie. *Rechtsmedizin* (2013): DOI 10.1007/s00194-013-0925-2

Schüttrumpf JP, Behzadi C, Balcarek P, Walde TA, Frosch S, Wachowski MM, Stürmer KM, Frosch KH.

Radiologically Hyperdense Zones of the Patella Seem to Be Partial Osteonecroses Subsequent to Fracture Treatment. *J Knee Surg*. 2013 Feb 26 [Epub ahead of print]

Wisotzki C, Friese M, Ehresmann J, Derlin T. Esophageal Metastasis From Papillary Thyroid Cancer: Diagnosis by 131I SPECT/CT. *Clin Nucl Med*. 39 (2014):e73-74

Wisotzki C, Jacobsen F, Salamon J, Derlin T. Synchronous ileocecal neuroendocrine tumor (NET) and carotid chemodectoma: diagnosis by In-111 pentetreotide SPECT/CT. *Clin Nucl Med*. (2013); [Epub ahead of print]

Editorials

Adam G, Forsting M, Bockisch A, Kotzerke J. Shaping the future together. *Rofo*. 2012 Apr;184(4):301-2. doi: 10.1055/s-0031-1299365. Epub 2012 Mar 17

Sommer G, Bremerich J, Lund G. Magnetic resonance imaging in valvular heart disease: clinical application and current role for patient management. *J Magn Reson Imaging*. 2012 Jun;35(6):1241-52.

Buchbeiträge

Bley Th , Frenzel Th. Radiologische Diagnostik. In: Th. Frenzel: Tumorerfassung. Thieme 2012. ISBN: 978-3-13-153961-8.

Bley Th , Kuhlencordt J. Vaskuläre Untersuchungsmethoden. In: Debus, Gross-Fengels: Operative und interventionelle Gefäßmedizin. Springer 2012, ISBN: 978-3-642-01708-7. 1.

Habermann CR. Speicheldrüsen. (pp 183-202) In Cohnen M. RRR Kopf-Hals Radiologie (1st Edition), ISBN 978-3-13-161161-1, Thieme; Stuttgart, New York, 2012

Vaith P , Bley Th. Primär systemische Vaskulitiden. In Peter, Pichler, Müller-Lachner: Klinische Immunologie. Urban&Fischer 2012, ISBN: 978-3-437-23256-5.

Vorträge mit publiziertem Abstract

Bannas P, Rybczynski M, Sheikhzadeh S, v. Kodolitsch Y, Graessner M, Adam G, Habermann CR. Intraindividueller Vergleich von nativer und kontrastmittelverstärkter MRA für die Detektion von Aortenwurzelaneurysmen in Patienten mit Marfan Syndrom. *Fortschr Röntgenstr (Supplements)* 2012 April; 184:165

Bannas P, Groth M, Rybczynski M, Sheikhzadeh S, von Kodolitsch Y, Graessner J, Lund G, Adam G, Habermann C. Screening for aortic root aneurysms in patients with Marfan syndrome: intraindividual comparison of enhanced and unenhanced MR angiography with echocardiography ECR 2012 Book of Abstracts (2012) Insights Imaging 3: Suppl 1.

Bley TA, Geiger J, Both M, Ness T, Veith P, Markl M, Adam G, Langer M, Heller M, Nölle B, Klink T. Multizentrische, prospektive Kohortenstudie zur Diagnostischen Wertigkeit der hochauflösenden MRT bei Arteriitis temporalis (Horton). *RöFo Supplements* 2012;184:S 214 (Vortrag)

Bley TA. Entzündliche Gefäßerkrankungen und Bildgebung der Großgefäßvaskulitis, *RöFo Supplements* 2012;184: S103 (Vortrag)

Bley TA, Geiger J, Both M, Ness T, Veith P, Markl M, Adam G, Langer M, Heller M, Nölle B, Klink T. Prospective Multicenter Cohort Study of High Resolution MRI in Giant Cell (Temporal) Arteritis. *Radiology Supplements* 2012, SSM13-01 (Vortrag)

Bley TA. Imaging in large vessel vasculitis: Ultrasound, PET, CT, MRI. EDUCATIONAL EXHIBIT, RSNA 2012, Chicago.LL-NRE2687 (ID: 12033207) (elektronische Lehrausstellung)

Busch JD, Heller F, Herrmann J, Schoennagel B, Habermann CR, Adam G. Follow-up of radiologically totally implanted central venous access ports of the upper arm: Long-term complications in 127750 catheter days." ECR 2012, Vienna

Busch JD, Wisotzki C, Schoennagel B, Habermann CR, Mester J, Klutmann S, Derlin T. Wertigkeit der 123I-MIBG SPECT/CT vs. Gd-MRT zur Detektion adreneraler Phäochromozytome bei Patienten mit erhöhten Serum- bzw. Harnkatecholaminwerten. Fortschr Röntgenstr, (2012) 184; DOI: 10.1055/s-0032-1311272

Busch JD, Sinkus R, Albrecht A, Adam G, Habermann CR. MR-Elastographie der Glandula parotidea: Erste Erfahrungen bei 3 Tesla. Fortschr Röntgenstr 2012; 184; DOI: 10.1055/s-0032-1311101

Busch JD, Treszl A, Bier J, Muenscher A, Adam G, Habermann CR. Dual metric differentiation of non-tumorous parotid gland diseases using high-resolution dynamic contrast-enhanced and diffusion weighted MRI. ESHNR 2012, Leipzig

Busch JD, Treszl A, Bier J, Muenscher A, Adam G, Habermann CR. Non-invasive differentiation of primary parotid gland tumors: Does high-resolution dynamic contrast-enhanced MRI offer a solution? RSNA 2012, Chicago

Derlin T, Weber C, Habermann CR, Herrmann J, Klutmann S, Wolschke C, Ayuk F, Kroeger N. Diagnostic underperformance of F-18-FDG PET/CT in multiple myeloma is greater in patients after allogeneic stem cell transplantation as compared to autologous transplantation. Nuklearmedizin 2012;51:A108.

Derlin T, Lengyel Z, Wisotzki C, Busch JD, Habermann CR, Mester J, Pávics L. In vivo imaging of fatty acid synthesis in atherosclerotic plaque using C-11-acetate PET/CT: correlation with calcified plaque burden and atherogenic risk factors. Nuklearmedizin 2012;51:A87.

Ernst TM, Lotter H, Helk E, Bernin H, Kaul MG, Ittrich H, Adam G. Magnettomographische Einzelzell-Darstellung des parasitischen Pathogens Entamoeba histolytica nach Markierung mit PEGyierten superparamagnetischen Nanopartikeln. Fortschr Röntgenstr 184 (Supplements) 2012 157

Ernst T, Bernin H, Adam G, Lotter H, Ittrich H. MR Imaging of Pathogens: Migration and Distribution of SPIO-labeled Parasitic Protozoan Entamoeba Histolytica in the Liver of a Mouse Model at 7T. Radiological Society of North America (RSNA) 98th Scientific Assembly and Annual Meeting 2012. Oak Brook, Ill: Radiological Society of North America, 2012

Ernst T, Bernin H, Helk E, Kaul MG, Adam G, Lotter H, Ittrich H. MR imaging of pathogens: migration and distribution of SPIO-labeled parasitic protozoan Entamoeba histolytica in the liver of a mouse model at 7T. World Molecular Imaging Congress 2012, Meeting Program (2012) P723

Ernst TM, Bernin H, Helk E, Zaruba M, Kaul MG, Adam G, Lotter H, Ittrich H. Imaging pathogens by MR: Distribution of SPIO-labeled parasitic protozoan Entamoeba histolytica in the liver of a mouse model at 7T. European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), 29th Annual Scientific Meeting, October 4-6, Lisbon, Portugal (2012). Book of Abstracts, p. 456, Nr. 606, DOI: 10.1007/s10334-012-0324-9 1.

Habermann CR. Lymphknoten. Fortschr Röntgenstr 184 (Supplements) 2012 92

Habermann CR. Gefäßeröffnende Maßnahmen: Ballokatheter und Indikationen. Fortschr Röntgenstr 184 (Supplements) 2012 119

Habermann CR. Interventionelle Radiologie in der Hypertoniebehandlung: Nierenarterienstenosen - Technik. Fortschr Röntgenstr 184 (Supplements) 2012 135

Habermann CR, Treszl A, Bier J, Muenscher A, Adam G, Busch JD. Non-Invasive Differentiation of Primary Parotid Gland Tumors: Does the Combination of HR DCE-MRI and DWI Improves Diagnostic Potential? Radiological Society of North America scientific assembly and annual meeting program [book online]. Oak Brook, Ill: Radiological Society of North America, 2012. <http://rsna2012.rsna.org>

Habermann CR, Treszl A, Bier J, Muenscher A, Adam G, Busch JD. Non-Invasive Differentiation of Non-Tumorous Parotid Gland Diseases Using High-Resolution Dynamic Contrast-Enhanced MRI. Radiological Society of North America scientific assembly and annual meeting program [book online]. Oak Brook, Ill: Radiological Society of North America, 2012. <http://rsna2012.rsna.org>

Habermann CR, Muenscher A, Bier J, Adam G, Busch JD, Sinkus R. MR-Elastography of the Parotid Gland: Feasibility and First Experiences. Radiological Society of North America scientific assembly and annual meeting program [book online]. Oak Brook, Ill: Radiological Society of North America, 2012. <http://rsna2012.rsna.org>

Habermann CR, Muenscher A, Bier J, Adam G, Busch JD. Functional Imaging of Parotid Glands using DW-MRI: Is an Age Related Differentiation between Smokers and Non-Smokers possible? Radiological Society of North America scientific assembly and annual meeting program [book online]. Oak Brook, Ill: Radiological Society of North America, 2012. <http://rsna2012.rsna.org>

Henes FO, Muellerleile K, Regier M, Adam G, Groth M. Eine neue Formel zur schnellen Abschätzung der Volumina von Perikardergüssen in der Computertomografie. Fortschr Röntgenstr 2012; 184 - TNE05, DOI: 10.1055/s-0031-1300906.

Henes FO, Regier M, Bannas P, Muellerleile K, Adam G, Groth M. A new Formula for Rapid Assessment of Pericardial Effusion Volume by Multidetector Computed Tomography. 10.1594/ecr2012/C-2003.

Henes FO, Groth M, Regier M, Bley TA, Adam G, Bannas P. Quantitative assessment of bone marrow density by HU-measurements in MDCT: an objective tool for the detection of posttraumatic bone bruise in the sacrum. 10.1594/ecr2012/C-2004

Henes FO, Groth M, Regier M, Bley TA, Ittrich H, Adam G, Bannas P. Quantitative Evaluation der Knochenmarksdichte durch HU-Messungen in der MDCT: Ein objektives Verfahren zur Detektion von Bone Bruises im Os sacrum. Fortschr Röntgenstr 184 (Supplements) 2012 232.

Henes FO, Bannas P, Regier M, Buhk JH, Muellerleile K, Adam G, Groth M. Evaluation of Pulmonary Vein Diameter Measurements in MRI with the Comparison of Contrast Enhanced MRA and ECG-gated Unenhanced Steady-State-Free Precession (SSFP) Imaging. Radiology 262 (Supplements) 2012 253.

Herrmann J, Wenzel U, Galler S, Oh J, Kemper M, Loos S, Helmke K, Adam G, Habermann CR. Diffusion-weighted imaging of the kidneys in patients with haemolytic uremic syndrome: initial findings. ESPR, Athen. Pediatr Radiol (2012) 42:459.

Ittrich H, Bruns O, Bartelt A, Peldschus K, Kaul MG, Adam G, Heeren J. Real time MR imaging of lipoprotein distribution und metabolism in different tissues using SPIO-labeled lipoproteins at 3T. Proc. Annual Meeting RSNA (2012)

Ittrich H, Lange C, Tögel F, Peldschus K, Zander AR, Westenfelder C, Adam G, Nolte-Ernsting C. Qualitative and Quantitative MRI of SPIO-labeled Mesenchymal Stem Cells in an Animal Model of Acute Renal Failure at a Clinical 3T System. Proc. Annual Meeting RSNA (2012)

Ittrich H, Heeren J, Herkel J, Merkel M, Peldschus K, Koops A, Adam G. In-vivo MR quantitation of liver steatosis after partial hepatectomy in an animal model at 3T. Proc. Annual Meeting RSNA (2012)

Ittrich H, Heeren J, Herkel J, Peldschus K, Bannas P, Koops A, Adam G. In-vivo MR quantitation of liver steatosis after partial hepatectomy in an animal model at 3T. Proceedings of World Molecular Imaging Congress, (2012) P475

Ittrich H, Bartelt A, Bruns OT, Peldschus K, Kaul MG, Tromsdorf U, Adam G, Heeren J. In-vivo real time MR imaging of lipid metabolism in brown adipose tissue with triglyceride-rich lipoprotein-USPIO nanosomes. Proceedings of World Molecular Imaging Congress, (2012) P474

Jung C, Groth M, Bley TA, Henes FO, Treszl A, Adam G, Bannas P. Use of pulmonary CT angiography to diagnose anaemia. DOI: 10.1007/ecr2012/ B-0628

Jung C, Ittrich H, Kaul MG, Bruns OT, Heeren J, Beisiegel U, Adam G. Nachweis von atherosklerotischen Läsionen ex vivo in der Fluoreszenz Bildgebung mithilfe von HDL Nanosomen in ApoE KO Mäusen. Fortschr Röntgenstr, (Supplements) 2012 184 DOI: 10.1055/s-0032-1311460

Jung C, Groth M, Bley TA, Henes FO, Treszl A, Adam G, Bannas P. Abschätzung einer Anämie mithilfe der Lungenembolie CT. Fortschr Röntgenstr, (Supplements) 2012 184 DOI: 10.1055/s-0032-1311181

Jung C, Kaul MG, Ducic T, Bruns OT, Heine M, Freund B, Ittrich H, Adam G. Evaluation of SPIO and Quantum Dot labelled high density lipoproteins for multimodal imaging of atherosclerotic plaques in ApoE-/ Mice. World Molecular Imaging Meeting Program 2012

Jung C, Ittrich H, Kaul MG, Heine M, Ducic T, Adam G. Diagnosis and monitoring of atherosclerosis in ApoE-/ mice by using Gadospin F. World Molecular Imaging Meeting Program 2012

Jung C, Ittrich H, Kaul MG, Ducic T, Reimer R, Freund B, Heeren J, Adam G. High density lipoproteins labelled with SPIO and Quantum Dot for multimodal imaging of atherosclerotic plaques in ApoE-/ Mice. (IV.05) Molekulare Bildgebung Meeting Programm 2012

Jung C, Ittrich H, Kaul MG, Ducic T, Reimer R, Heine M, Freund B, Heeren J, Adam G. Evaluation of SPIO and Quantum Dot Labeled High Density Lipoproteins for Multimodal Imaging of Atherosclerotic Plaques in ApoE-/ Mice. (abstr). Radiological Society of North America scientific assembly and annual meeting program. Oak Brook, Ill: Radiological Society of North America, 2012.

Jung C, Ittrich H, Kaul MG, Reimer R, Ducic T, Adam G. Diagnosis and Monitoring of Atherosclerosis in ApoE-/ Mice by Using Gadospin F. (abstr). Radiological Society of North America scientific assembly and annual meeting program. Oak Brook, Ill: Radiological Society of North America, 2012.

Kaul MG, Adam G. QMapIt, an ImageJ-plugin, for quantitative multi-parametric analysis of DICOM images. European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), 29th Annual Scientific Meeting, (2012). Meeting Guide, p. 167, Nr. 846, DOI: 10.1007/s10334-012-0324-9 (SOFTWARE PRÄSENTATION)

Kaul MG, Ernst T, Adam G. DSnS and qMapIt, ImageJ-plugins, for quantitative multi-parametric analysis of DICOM images. Jahrestagung des Interdisziplinären Netzwerkes Molekulare Bildgebung (2012). p 35

Kaul MG, Ernst T, Adam G. DicomSort'n'Select, an ImageJ plugin, for sorting, selecting of DICOM files and providing a technical data interface for other plugins. Proceedings of the ImageJ User and Developer Conference, (2012) Edition 1. p 265, ISBN: 2-919941-18-6

Kaul MG, Ernst T, Adam G. qMapIt, an ImageJ-plugin, for quantitative multi-parametric analysis of DICOM images. Proceedings of the ImageJ User and Developer Conference, (2012) Edition 1. p 130, ISBN: 2-919941-18-6

Kaul MG, Adam G. A framework for the development of analytic ImageJ plugins: Multi processor core supported pixel-wise fitting and parameter map presentation. Radiological Society of North America (RSNA) 98th Scientific Assembly and Annual Meeting, (2012). p 337

Klink T, Holle J, Laudien M, Henes FO, Moosig F, Platzek C, Adam G, Gross WL, Bley TA. Magnetic resonance imaging in patients with granulomatosis with polyangiitis (Wegener's) and subglottic stenosis. ESMRMB (Supplements) 2012; 220.

Koops A, Ramcic E, Ittrich H, Habermann C, Adam G: Impact of hepatic steatosis and fibrosis on segmental liver hypertrophy after pre-operative portal vein embolisation. Eur Radiol 22 (Suppl 1) (2012) S252

Koops A, Ramcic E, Ittrich H, Habermann C, Adam G: Impact of hepatic steatosis and fibrosis on segmental liver hypertrophy after pre-operative portal vein embolization. J Vasc Intervent Radiol 23 (Suppl 3) S100

Koops A, Nentwich MF, Habermann CR, Bockhorn M, Izwicki JR, Adam G: Perkutane transhepatische cholangioläre Drainage zur Behandlung postoperativer Gallelekagen bei 20 nicht-cholestaticischen Patienten. Fortschr Röntgenstr. 184 (Suppl) (2012) S189

Koops A, Ramcic-Hakimi E, Ittrich H, Habermann CR, Adam G: Einfluss von hepatischer Steatose und Fibrose auf die segmentale Leberhypertrophie nach perkutaner Pfortaderembolisation. Fortschr Röntgenstr. 184 (Suppl) (2012) S202

Kunick V, Lenz A, Well L, Danquah W, Rissiek B, Unger M, Haag F, Ittrich H, Adam G, Koch-Nolte F, Bannas P Advantages of nanobodies compared to conventional antibodies for in vivo fluorescence imaging of multiple myelomas. Kongress für Molekulare Bildgebung 2012

Lenz A, Kunick V, Well L, Danquah W, Haag F, Trepel M, Adam G, Ittrich H, Nolte F, Bannas P Comparison of nanobodies and conventional monoclonal antibodies for in vivo fluorescence imaging of lymphomas. World Molecular Imaging Congress 2012 Book of Abstracts (2012)

Lenz A, Kunick V, Well L, Rissiek B, Haag F, Ittrich H, Adam G, Koch-Nolte F, Bannas P Nanobodies as potential diagnostic tools for in vivo imaging of lymphomas. European Congress of Immunology 2012 Book of Abstracts (2012)

Lenz A, Kunick V, Well L, Danquah W, Rissiek B, Unger M, Haag F, Ittrich H, Adam G, Koch-Nolte F, Bannas P Vorteile von Nanobodies im Vergleich zu konventionellen Antikörpern für die Nah-Infrarot fluoreszenzoptische (NIRF) Bildgebung von Lymphomen Kongress für Experimentelle Radiologie 2012

Lenz A, Kunick V, Well L, Rissiek B, Haag F, Ittrich H, Adam G, Koch-Nolte F, Bannas P Injection of near-infrared fluorochrome conjugated antibody constructs allows sequential analyses of target cells using in vivo imaging, flow cytometry and fluorescence microscopy Kongress für Molekulare Bildgebung 2012

Lund GK , Müllerleile K*, Groth M, Säring D #, Klink T, Halaj S, Folwarski G, Kaul M, Adam G. Improved agreement between experienced and inexperienced observers using a standardized evaluation protocol for cardiac volumetry and infarct size measurement. ECR 2012 Book of Abstracts (2012) Insights Imaging 3: Suppl 1.

Lund G. Optimale Abbildungen für Publikationen und Vorträge. Fortschr Röntgenstr. 2012; 184: S58

Lund GK, Muellerleile K, Bannas P, Barz D, Cürlis J, Radunski UK, Stehning C, Sydow K, Schnackenburg B, Adam G. Serielles T2-mapping zur quantitativen Beurteilung der myokardialen Ödemresorption nach akutem Myokardinfarkt Fortschr Röntgenstr. 2012; 184: S275

Lund GK, Muellerleile K, Bannas P, Barz D, Cürlis J, Radunski UK, Stehning C, Sydow K, Schnackenburg B, Adam G. Serial T2-mapping to quantitatively monitor resorption of myocardial edema following acute myocardial infarction. RSNA Scientific Assembly and Annual Meeting Program 2012

Martinez Gambaro FI , Henes FO, Nagel HD , Adam G, Regier M. Rapid semiautomatic liver segmentation using a new user-friendly, prototypic software tool: initial experience Insights into Imaging 3 (Suppl.1) 2012: B-0377

Much C, Busch J, Schlampp S, Forkert ND, Adam G, Habermann CR. Correlation between strength of paraspinal lumbar muscles, muscle degeneration and diffusion properties. ECR 2012 Book of Abstracts (2012) Insights Imaging 3: Suppl 1.

Much C, Solano E, Ernst T, Yamamura J, Arck P, Adam G, Wedegaertner U. High field MRI in assessment of murine placental functional morphology and comparison to histology. ECR 2012 Book of Abstracts (2012) Insights Imaging 3: Suppl 1.

Much CC, Solano E, Ernst T, Yamamura J, Arck P, Adam G, Wedegaertner U. 7T MRT zur Evaluation der funktionellen Morphologie der Maus-Plazenta im Vergleich zur Histologie. DRK 2012

Much CC, Solano E, Forkert ND, Sedlacik J, Mummert T, Adam G, Arck P, Wedegaertner U. High field dynamic contrast enhanced magnetic resonance imaging assessment of placental perfusion unveiled an increased blood flow upon prenatal stress challenge in mice. J REPROD IMMUNOL, Volume 94, Issue 1, pp. 1-130 (May 2012)

Much CC, Solano R, Forkert ND, Sedlacik J, Adam G, Arck P, Wedegaertner U. High field dynamic contrast enhanced magnetic resonance imaging assessment of placental perfusion unveiled an increased blood flow upon prenatal stress challenge in mice. Ultrasound Obst Gyn, Volume 40, Issue S1

Much CC, Schoennagel B, Yamamura J, Buchert R, Kooijmann H, Adam G, Wedegaertner U, Diffusion-weighted imaging of fetal lung maturation in sheep: Effect of prenatal cortisone administration on ADC values. RSNA 2012

Much C, Solano C, Ernst T, Arck P, Adam G, Wedegaertner U. High field MRI in assessment of murine placental functional morphology and comparison to histology RSNA 2012

Much CC, Schoennagel B, Yamamura J, Hartwig I, Adam G, Wedegaertner U. Diffusion-weighted imaging of fetal lung maturation in sheep: Effect of prenatal cortisone administration on ADC values. ECR 2012

Much CC, Solano E, Ernst T, Arck P, Adam G, Wedegaertner U. High field magnetic resonance imaging (MRI) provides a fast assessment tool to determine and quantify functional zones of placental architecture in three dimensions (3D) of murine placentas: a comparison to classical histology. ASRI/ESRI2012

Raabe N , Freund B, Heine M, Reimer R, Adam G, Ittrich H (2012) 59Fe iron core-labeled, monodisperse USPIO for quantification of DR2* in vivo at 3T MRI Annual Meeting RSNA 2012 (Supplements) 344

Raabe N, Ernst T, Freund B, Salmen SC, Heine M, Reimer R, Kaul MG, Adam G, Ittrich H. Effect of coating material on biodistribution and relaxometric properties at 7T MRI - evaluation of self-synthesized monodisperse, polymer coated SPIO and dextran coated FeraSpin S®. World Molecular Imaging Congress, Meeting Program 2012 585

Raabe N, Forberich E, Freund B, Bruns O, Heine M, Kaul MG, Adam G, Ittrich H. In vivo Quantifizierung von #R2* mittels 59Fe markierter USPIO* im 3T MRT. Fortschr Röntgenstr 184 (Supplements) 2012 167

Raabe N, Ernst T, Heine M, Salmen SC, Kaul MG, Habermann CR, Adam G, Ittrich H. In vivo ADC measurements as a prognostic marker for USPIO uptake into different human xenograft tumor models. ECR Book of abstracts (2012) Insights Imaging 3: Suppl1 161

Regier M, Henes FO, Schwarz D, Groth M, Deibele A, Adam G, Begemann PGC Intraindividual Comparison of Image Quality using Retrospective and Prospective Respiratory Gating for the

Acquisition of Thin Sliced Four Dimensional Multidetector CT of the Thorax Insights into Imaging 3 (Supp.1) 2012: B-0515

Regier M, Kandel S, Riedel C, Bolte H, Hoffmann B, Kaul MG, Zhang S, Begemann PGC, Heller M, Adam G, Biederer J. Computer Aided Lung Nodule Volumetry: Can MDCT be replaced by Highfield MRI at 3T? Insights into Imaging 3 (Supp.1) 2012: B-0169

Regier M, Henes FO, Schwarz D, Groth M, Laqmani A, Kooijman H, Adam G Dynamic Perfusion MRI in patients suffering from primary lung cancer: A novel approach to tumor characterization? Insights into Imaging 3 (Supp.1) 2012: B-0749

Regier M, Laqmani A, Schultzendorff HC, Hammerle D, Henes FO, Groth M, Nagel HD, Adam G, Buhk JH Impact of 4th generation iterative reconstruction technique (iDoseT) on image quality in low-dose MDCT of the upper urinary tract Insights into Imaging 3 (Supp.1) 2012: B-0201

Regier M, Buhk JH, Schultzendorff HC, Hammerle D, Laqmani A, Henes FO, Nagel HD, Adam G Iterative Rekonstruktionsverfahren der 4. Generation: Intraindividuelle Vergleichsstudie zum Einfluss auf die Bildqualität in der low-dose MDCT des oberen Harntraktes Fortschr Röntgenstr 184 (2012): VO 202.8

Regier M Bildgebung des Beckenbodens: Neue Techniken, neue Erkenntnisse? Fortschr Röntgenstr 184 (2012): WS 304.3

Regier M Staging des Bronchialkarzinoms: Neuigkeiten zur TNM-Klassifikation & Fallstricke der Diagnostik Fortschr Röntgenstr 184 (2012): RK 306.1

Salamon J, Peldschus K, Wicklein D, Lange C, Ittrich H, Schumacher U, Adam G. Interaction of magnetically labeled multipotent mesenchymal stromal cells and E-/P-Selectins monitored by Magnetic Resonance Imaging in mice. World Molecular Imaging Congress 2012, Meeting Program (2012)

Schoennagel BP, Much CC, Ueberle F, Adam G, Tavares de Sousa M, Yamamura J, Wedegaertner U. Antenatal Cardiovascular MRI Using a New Method to Trigger the Fetal Heart: Imaging of the Fetal Heart and Flow Measurements of the Fetal aorta. Radiological Society of North America (RSNA) 98th Scientific Assembly and Annual Meeting (2012); S. 96 VSPD31-01

Schoennagel BP, Much CC, Ueberle F, Adam G, Tavares de Sousa M, Yamamura J, Wedegaertner U. Antenatal Cardiovascular MRI Using a New Method to Trigger the Fetal Heart: Blood Flow Measurements of the Fetal Aorta and Comparison to Ultrasound. Radiological Society of North America (RSNA) 98th Scientific Assembly and Annual Meeting (2012); S. 96 VSPD31-03

Schönnagel B, Yamamura J, Kurio G, Grosse R, Adam G, Fischer R. Insights into ventricular cardiac function by MRI in patients with iron overload. Fortschr Röntgenstr 2012 (Supplements) 184 - KMY08.

Schönnagel B, Much CC, Fischer R, Harmatz P, Kooijman H, Adam G, Wedegaertner U, Yamamura J. Pränatale Eisenquantifizierung in Leber und Milz im Schafmodell mittels MRT. Fortschr. Röntgenstr 2012 (Supplements) 184 - VO308_2

Weber C, Buhk J, Bley TA, Fink-Wedel A-K, Koops A, Adam G, Bannas P. Intraindividual comparison of whole body MR angiography at 1.5 and 3 Tesla in high risk patients with hereditary hyperlipidaemia. ECR 2012 Book of Abstracts (2012) Insights Imaging 3: Suppl 1.

Yamamura J, Schoennagel B, Much C, Tavares M, Fische R, Adam G, Wedegaertner U. Antenatal liver and spleen iron quantification in a sheep model. ISMRM12 (2012) 3689

Yamamura J, Schmidt TM, Fischer R, Acar S, Lorenzen M, Heinemann A, Wedegärtner U, Adam G., Postmortale DWI of the brain and comparison with in vivo data. ISMRM12 (2012) 3706

Yamamura J, Schmidt TM, Fischer R, Acar S, Lorenzen M, Heinemann A, Wedegärtner U, Adam G., Postmortal 31P magnetic resonance spectroscopy of the skeletal muscle - PCr/ATP ratio as a forensic tool?. ISMRM12 (2012) 6541

Yamamura J, Veigel J, Wang Z, Benten D, Adam G, Wedegaertner U, Fischer R. Quantification of Hepatic Fat Content in NAFLD/NASH Patients with 1H-MR Spectroscopy: Calibration by Histopathological Findings. Radiology Suppl. SSA08-06

Yamamura J, Wang Z, Schoennagel B, Adam G, Fischer R. Comparison of Liver Iron Measurements by ROI Based R2* and Pixel-wise R2*. Radiology Suppl. SSC15-08

Yamamura J, Pfeifer C, Schoennagel B, Karul M, Jarisch A, Grosse R, Janka G, Adam G, Nielsen P, Fischer R. Pancreatic Iron Measurement Using MRI-R2* in Patients with Iron Overload and Thalassemia. Radiology Suppl. SSQ06-04

Auszeichnungen und Preise

Bley TA. Certificate of Merit. Imaging in Large Vessel Vasculitis: Ultrasound, PET, CT, MRI. RSNA 2012, Chicago, USA

Derlin T. Alavi-Mandell-Award 2012, Society of Nuclear Medicine and Molecular Imaging (SNMMI), USA

Derlin T. Dagmar-Eißner-Preis 2012, Mittelrheinische Gesellschaft für Nuklearmedizin

Jung C. RSNA Travel Award for Young Investigators in Molecular Imaging, Radiological Society of North America, 2012

Jung C. Posterpreis, 93. Deutscher Röntgenkongress "Summa cum laude" 2012

Ritzel RM 1. Platz Röntgenquiz auf dem Deutschen Röntgenkongress 2012

Salamon J. DRG-Forscherpreis Experimentelle Radiologie 2012

Salamon J. Egon Bücheler-Promotionspreis für Radiologie - Promotionspreis an der Medizinischen Fakultät der Universität Hamburg für das Jahr 2012

Stipendien

Salamon J. Horst-Seils-Stipendium der Norddeutschen Röntgengesellschaft 2012

Yamamura J. JRS (Japanese Radiological Society) Fellowship 2012

Drittmittel

Adam G: DFG 125/5-1: Magnetic Particle Imaging System, WGI DFG 2011.

Adam G, Koops A: BMBF: Verbundprojekt: Entwurfsplattform für SiP in medizinischen Anwendungen (ESiMED); Teilvorhaben: Medizinische Erprobung von integrierten Stentgrafts und Muskelstimulatoren. Förderkennzeichen 16M3201E

Bannas P. Wilhelm Sander Stiftung: In vivo Targeting von Lymphomen mit Nanobody-basierten rekombinanten Antikörpern.