

Publikationen 2011

Risse,F., Eichinger,M., Kauczor,H.U., Semmler,W., Puderbach,M.: Improved visualization of delayed perfusion in lung MRI. *European Journal of Radiology* 77 (1), 105-110, 2011.

Merz M, Komljenovic D, Zwick S, Semmler W, Baeuerle T: Sorafenib tosylate and paclitaxel induce anti-angiogenic, anti-tumour and anti-resorptive effects in experimental breast cancer bone metastases. *European Journal of Cancer* 47 (2), 277-286, 2011.

Taeger,D., Bruning,T., Pesch,B., Mueller,K.M., Wiethage,T., Johnen,G., Wesch,H., Dahmann,D., Hoffmann,W.: Association Between Lymph Node Silicosis and Lung Silicosis in 4,384 German Uranium Miners With Lung Cancer. *Archives of Environmental and Occupational Health* 66 (1), 34-42, 2011.

Maier, F., Krafft, A., Yung, J.P., Stafford, R.J., Elliott, A., Dillmann, R., Semmler, W., Bock, M.: Velocity Navigator for Motion Compensated Thermometry. *Magnetic Resonance Materials in Physics Biology and Medicine* 2011.

Muehlhausen, U., Komljenovic, D., Bretsch, M., Leotta, K., Eisenhut, M., Semmler, W., Baeuerle, T.: A novel PET tracer for the imaging of alphanibeta3 and alphanibeta5 integrins in experimental breast cancer bone metastases. *Contrast Media and Molecular Imaging* 2011.

Sohlin,M.C., Schad,L.R.: Susceptibility-Related MR Signal Dephasing Under Nonstatic Conditions: Experimental Verification and Consequences for qBOLD Measurements. *Journal of Magnetic Resonance Imaging* 33 (2), 417-425, 2011.

Korn M, Umathum R, Schulz J, Semmler W, Bock M: Optically detunable, inductively coupled coil for self-gating in small animal magnetic resonance imaging. *Magnetic Resonance in Medicine* 65 (3), 882-888, 2011.

Moussavi-Biugui,A., Stieltjes,B., Fritzsche,K.H., Semmler,W., Laun,F.B.: Novel spherical phantoms for Q-ball imaging under in vivo conditions. *Magnetic Resonance in Medicine* 65 (1), 190-194, 2011.

Ahmed,A.S.M.S., Kramer,G.H., Semmler,W., Peter,J.: Performance study of a fan beam collimator designed for a multi-modality small animal imaging device. *Nuclear Instruments and Methods in Physics Research / A, Accelerators Spectrometers Detectors and Associated Equipment* 629 (1), 368-376, 2011.

Bartling,S.H., Budjan,J., Aviv,H., Haneder,S., Kraenzlin,B., Michaely,H., Margel,S., Diehl,S., Semmler,W., Gretz,N., Schoenberg,S.O., Sadick,M.: First Multimodal Embolization Particles Visible on X-ray/Computed Tomography and Magnetic Resonance Imaging. *Investigative Radiology* 46 (3), 178-186, 2011.

Fuster-Garcia,E., Navarro,C., Vicente,J., Tortajada,S., Garcia-Gomez,J.M., Saez,C., Calvar,J., Griffiths,J., Julia-Sape,M., Howe,F.A., Pujol,J., Peet,A.C., Heerschap,A., Moreno-Torres,A., Martinez-Bisbal,M.C., Martinez-Granados,B., Wesseling,P., Semmler,W., Capellades,J., Majos,C., berich-Bayarri,A., Capdevila,A., Monleon,D., Marti-Bonmati,L., Arus,C., Celda,B., Robles,M.: Compatibility between 3T H-1 SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T H-1 SV-MRS spectra. *Magnetic Resonance Materials in Physics Biology and Medicine* 24 (1), 35-42, 2011.

Waldeck, W., Mueller, G., Wiessler, M., Toth, K., Braun, K.: Positioning effects of KillerRed inside of cells correlate with DNA strand breaks after activation with visible light. *International Journal of Medical Sciences* 8 (2), 97-105, 2011.

Gronych,J., Korshunov,A., Bageritz,J., Milde,T., Jugold,M., Hambardzumyan,D., Remke,M., Hartmann,C., Witt,H., Jones,D.T.W., Witt,O., Heiland,S., Bendszus,M., Holland,E.C., Pfister,S., Lichter,P.: An activated mutant BRAF kinase domain is sufficient to induce pilocytic astrocytoma in mice. *Journal of Clinical Investigation* 121 (4), 1344-1348, 2011.

Laun,F.B., Fritzsche,K.H., Kuder,T.A., Stieltjes,B.: Introduction to the basic principles and techniques of diffusion-weighted imaging. *Radiologe* 51 (3), 170-179, 2011.

Cheng,C., Komljenovic,D., Pan,L., Dimitrakopoulou-Strauss,A., Strauss,L., Baeuerle,T.: Evaluation of treatment response of cilengitide in an experimental model of breast cancer bone metastasis using dynamic PET with (18)F-FDG. *Hellenic Journal of Nuclear Medicine* 4 (1), 15-20, 2011.

Konstandin,S., Nagel,A.M., Heiler,P.M., Schad,L.R.: Two-Dimensional Radial Acquisition Technique With Density Adaption in Sodium MRI. *Magnetic Resonance in Medicine* 65 (4), 1090-1096, 2011.

Takenaka,D., Puderbach,M., Ohno,Y., Risse,F., Ley,S., Sugimura,K., Kauczor,H.U.: Oxygen-enhanced lung magnetic resonance imaging: influence of inversion pulse slice selectivity on inversion recovery half-Fourier single-shot turbo spin-echo signal. *Japanese Journal of Radiology* 29 (4), 244-250, 2011.

Schmitt, B., Zaiß, M., Zhou, J., Bachert, P.: Optimization of pulse train presaturation for CEST imaging in clinical scanners. *Magnetic Resonance in Medicine* 65 (6), 1620-1629, 2011.

Schmitt, B., Zbyn, S., Stelzenede, D., Jellus, V., Paul, D., Lauer, L., Bachert, P., Trattinig, S.: Cartilage Quality Assessment by Using Glycosaminoglycan Chemical Exchange Saturation Transfer and ^{23}Na MR Imaging at 7 T. *Radiology* 260 (1), 257-264, 2011.

Baeuerle, T., Komljenovic, D., Merz, M., Berger, M.R., Goodman, S.L., Semmler, W.: Cilengitide inhibits progression of experimental breast cancer bone metastases as imaged noninvasively using VCT, MRI and DCE-MRI in a longitudinal in vivo study. *International Journal of Cancer* 128 (10), 2453-2462, 2011.