

## Publikationen 2003

Albers J, Boese JM, Vahl CF, Hagl S

In vivo validation of cardiac spiral computed tomography using retrospective gating

Ann Thorac Surg 75 : 885-9 (2003)

Aumann S, Schönberg S, Just A, Briley-Saebo K, Bjornerud A, Bock M, Brix G

Quantification of renal perfusion using an intravascular contrast agent (Part I): Results in a canine model

Magnetic Resonance in Medicine 49 : 276-287 (2003)

Bachert P

Magnetresonanz-Spektroskopie: ein Fenster in die Chemie des lebenden Organismus

Zeitschrift für Medizinische Physik 13 : 1 (2003)

Bachert P, Schröder L

Magnetresonanz-Spektroskopie: I. Grundlagen

Der Radiologe 43 : 1113-1128 (2003)

Bankamp A, Schad LR

Comparison of TSE, TGSE, and CPMG measurement techniques for MR polymer gel dosimetry

Magnetic Resonance Imaging 21 : 929-939 (2003)

Bock M

MR-guided intravascular interventions: Techniques and applications

Journal of the University of Applied Sciences Mittweida 7 : 1-7 (2003)

Bock M, Volz S, Zuehlsdorff S, Umathum R, Fink C, Hallscheidt P, Semmler W

Automatische Schichtverfolgung in der interventionellen Magnetresonanztomographie

Zeitschrift für Medizinische Physik 13 : 177-182 (2003)

Braun K, Wolber G, Waldeck W, Pipkorn R, Jenne J, Rastert R, Ehemann V, Eisenmenger A, Corban-Wilhelm H, Braun I, Heckl S, Debus J

The enhancement of neutron irradiation of HeLa-S cervix carcinoma cells by cell-nucleus-addressed deca-p-boronophenylalanine

European Journal of Med. Chem. 38(6) : 587-595 (2003)

Fink C, Bock M, Puderbach M, Schmahl A, Delorme S.

Partially parallel three-dimensional magnetic resonance imaging for the assessment of lung perfusion--initial results

Investigative Radiology 38 (8) : 482-8 (2003)

Fink C, Eichhorn J, Kiessling F, Bock M, Delorme S

Time-resolved multiphasic 3D MR angiography in the diagnosis of the pulmonary vascular system in children

Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 175(7) : 929-935 (2003)

Fink C, Kiessling F, Bock M, Lichy M, Misselwitz B, Peschke P, Fusenig NE, Grobholz R, Delorme S

High-resolution 3D MR angiography of rodent tumors: Morphologic characterization of intratumoral vasculature

Journal of Magnetic Resonance Imaging 18(1) : 59-65 (2003)

Fink C, Schmähl A, Bock M, Tüngerthal S, Delorme S

Pulmonary vein stenosis after radiofrequency ablation for atrial fibrillation: Image findings with multiphasic pulmonary magnetic resonance angiography

Circulation 107 : 129-130 (2003)

Frank N, Knauff J, Amelung F, Nair J, Wesch H, Bartsch H

No prevention of liver and kidney tumors in Long-Evans Cinnamon rats by dietary curcumin, but inhibition at other sites and of metastases

Mutation Research 523-524 : 127-135 (2003)

Kaick G van, Semmler W

Medizin und Naturwissenschaft im Berufsbild des diagnostischen Radiologen

Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 175 : 325-327 (2003)

Kampen M van, Eble MJ, Krempien R, Jensen K, Aydenitz B, Metzger M, Hensley F, Haufe S, Amelung F, Wallwiener D, Wannemacher M

Influence of irradiated volume on ureteral injury after intraoperative radiation therapy: experimental study in dogs

Radiology 228(1) : 139-143 (2003)

Karger CP, Hipp P, Henze M, Echner G, Hoess A, Schad L, Hartmann GH

Stereotactic imaging for radiotherapy: accuracy of CT, MRI, PET and SPECT

Physics in Medicine and Biology 48 : 211-221 (2003)

Kiessling F, Heilmann M, Vosseler S, Lichy M, Krix M, Fink C, Kiessling I, Steinbauer H, Schad L, Fusenig NE, Delorme S

Dynamic T1-weighted monitoring of vascularization in human carcinoma heterotransplants by magnetic resonance imaging

International Journal of Cancer 104(1) : 113-120 (2003)

Kiessling F, Krix M, Heilmann M, Vosseler S, Lichy M, Fink C, Farhan N, Kleinschmidt K, Schad L, Fusenig NE, Delorme S

Comparing dynamic parameters of tumor vascularization in nude mice revealed by MRI and contrast enhanced intermittent power Doppler sonography

Investigative Radiology 38(8) : 516-524 (2003)

Kiessling F, Lichy M, Grobholz G, Heilmann M, Huber P, Meding J, Peschke P, Kauczor H-U, Schlemmer H-P

Hämodynamische und metabolische Charakterisierung orthotoper Prostatakarzinome der Ratte mittels dynamischer MRT und Protonen-MR-Spektroskopie

Radiologe 43(6) : 489-494 (2003)

Kiessling F, Lichy M, Grobholz R, Farhan N, Heilmann M, Michel MS, Trojan L, Werner A, Rabe J, Delorme S, Kauczor H-U, Schlemmer H-P

Detektion von Prostatakarzinomen mit T1-gewichteter Kontrastmittel-unterstützter dynamischer

MRT und Protonen-MR-Spektroskopie. Wertigkeit des Zweikompartimentmodells  
Radiologe 43(6) : 474-480 (2003)

Klein RG, Wesch H, Schmezer P.

Total chromium concentration in natural oak wood used for a dust inhalation study in rats  
Gefahrstoffe Reinhaltung der Luft : 41-42 (2003)

Krix M, Kiessling F, Farhan N, Schmidt K, Hoffend J, Delorme S

A multivessel model describing replenishment kinetics of ultrasound contrast agent for quantification of tissue perfusion

Ultrasound in Medicine and Biology 29(10) : 1421-1430 (2003)

Krix M, Kiessling F, Vosseler S, Farhan N, Mueller MM, Bohlen P, Fusenig N, Delorme S

Sensitive noninvasive monitoring of tumor perfusion during antiangiogenic therapy by intermittent bolus-contrast power doppler sonography

Cancer Research 63(23) : 8264-8270 (2003)

Krix M, Kiessling F, Vosseler S, Kiessling I, Fusenig NE, Delorme S

Comparison of conventional power doppler sonography with intermittent, bolus contrast imaging: Quantification of tumour perfusion in small animals

Ultrasound in Medicine and Biology 29(8) : 1093-1103 (2003)

Krug R, Boese JM, Schad LR

Determination of aortic compliance from magnetic resonance images using an automatic active contour model

Physics in Medicine and Biology 48 : 2391-2404 (2003)

Peter J, LoukianioukS, Semmler W

Evaluation of pharmacokinetic models by means of Monte Carlo simulated tracerkinetic time frame data

European Journal of Nuclear Medicine 30(2) : 215-216 (2003)

Peter J, Schulz RB, Semmler W

Simultaneous imaging of optical and isotopic photon distributions in mice using a combined PH SPECT-OT scanner - A Monte Carlo simulation study

Molecular Imaging and Biology 5(3) : 123 (2003)

Rademaker G, Jenne JW, Rastert R, Röder D, Schad L-R

Vergleich nichtinvasiver MRT-Verfahren zur Temperaturmessung für den Einsatz bei medizinischen Therapien

Zeitschrift für Medizinische Physik 13 : 183-187 (2003)

Schmidt K, Hoffend J, Saffrich R, Peter J, Kinscherf R, Haberkorn U

Perfusion studies with H2150 in Hangiostatiin and Htroponin I-expressing rat hepatomas

Journal of Nuclear Medicine, Suppl. 44(5) : 374 (2003)

Schönberg SO, Aumann S, Just A, Bock M, Kopp MV, Johansson LO, Ahlstrom H

Quantification of renal perfusion abnormalities using an intravascular contrast agent (Part 2): Results in animals and Patients with renal artery stenosis

Magnetic Resonance in Medicine 49 : 288-298 (2003)

Schönberg SO, Rieger J, Johannson LO, Dietrich O, Bock M, Prince M, Reiser MF  
Diagnosis of renal artery stenosis with magnetic resonance angiography: update 2003  
Nephrology Dialysis Transplantation 18 : 1252-1256 (2003)

Schröder L, Bachert P  
Evidence for a dipolar-coupled AM system in carnosine in human calf muscle from in vivo <sup>1</sup>H NMR spectroscopy  
Journal of Magnetic Resonance Imaging 164 : 256-269 (2003)

Schulze A, Bachert P, Schlemmer H, Harting I, Polster T, Salomons GS, Verhoeven NM, Jakobs C, Fowler B, Hoffmann GF, Mayatepek E  
Lack of creatine in muscle and brain in an adult with GAMT deficiency  
Annals in Neurology 53 : 248-251 (2003)

Semmler W  
Molecular imaging: A new approach for MR  
Medical Imaging Technology 21(5) : 329-331 (2003)

Stieltjes B, Diding B, Amann M, Wilhelm T, Essig M  
Direct implementation of diffusion tensor imaging and fMRI data in stereotactic radiosurgery  
Magnetic Resonance Materials in Biology, Physics and Medicine 16 : S99-S100 (2003)

Tornai MP, Bowsher JE, Archer CA, Peter J, Jaszczak RJ, MacDonald LR, Patt BE, Iwaczyk JS  
A 3D gantry single photon emission tomograph with hemispherical coverage for dedicated breast imaging  
Nuclear Instruments and Methods in Physics Research A 497(1) : 157-167 (2003)

Wacker C, Hartlep A, Pflieger S, Schad LR, Ertl G, Bauer W  
Susceptibility-sensitive magnetic resonance imaging detects human myocardium supplied by a stenotic coronary artery without a contrast agent  
Journal of the American College of Cardiology 41(5) : 834-840 (2003)

Weber M-A, Günter M, Lichy MP, Delorme S, Bongers A, Thilmann C, Essig M, Zuna I, Schad LR, Debus J, Schlemmer H-P  
Comparison of arterial spin-labeling techniques and dynamic susceptibility-weighted contrast-enhanced MRI in perfusion imaging of normal brain tissue  
Investigative Radiology 38 : 712-718 (2003)

Weber MA, Lichy MP, Günther M, Delorme S, Thilmann C, Bachert P, Schad LR, Debus J, Schlemmer HP  
Monitoring of irradiated brain metastases using arterial spin-labeling, MR-perfusion imaging, and <sup>1</sup>H MR spectroscopy  
Rivista di Neuroradiologia 16 : 1118-1122 (2003)

Weber MA, Lichy MP, Thilmann C, Günther M, Bachert P, Maudsley AA, Delorme S, Schad LR, Debus J, Schlemmer HP  
Verlaufsbeobachtung bestrahlter Hirnmetastasen mittels MR-Perfusionsbildgebung und <sup>1</sup>H-MR-

Spektroskopie

Der Radiologe 43 : 388-395 (2003)

Wilhelm T, Aisenbrey C, Bachert P

Schnelle 1H-MR-spektroskopische Bildgebung am Gehirn des Menschen

Zeitschrift für Medizinische Physik 13 : 4-11 (2003)

Wind M, Wegener A, Eisenmenger A, Kellner R, Lehmann WD

Sulfur as the key element for quantitative protein analysis by capillary liquid chromatography coupled to element mass spectrometry

Angewandte Chemie 42(29) : 3425-3427 (2003)

Wind M, Wegener A, Eisenmenger A, Kellner R, Lehmann W

Schwefel als Schlüsselement für die quantitative Proteinanalytik durch Kopplung von Kapillar-Flüssigchromatografie und Elementmassenspektrometrie.

Angewandte Chemie 115 : 3547-49 (2003)

## Other Articles

Amann M; Kleinböhl D; Schad LR

A simulation on motion artifacts in segmented spiral ecent-related fMRI

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1747 (2003)

Bankamp A; Ramm U; Spielberger B; Schad LR

Genauigkeit der Dosisverifikation von hoch-LET-Bestrahlungen mit Hilfe der MR-Polymergeldosimetrie

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 294-295 (2003)

Bankamp A; Schad L

Verifikation einer IMRT-Bestrahlung mit Hilfe der MR-Polymergeldosimetrie

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 292-293 (2003)

Bankamp A; Schad LR

Verification of an IMRT-delivered dose distribution using a modified turbo-spin-echo sequence

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1104 (2003)

Berg A; Wolber G; Bankamp A; Moser E

MR-basierte Polymergel-Dosimetrie: Neutronen- und Photonen-Antwort

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 104-105 (2003)

Bock M; Hallscheidt P; Fink C; Volz S; Zuehlsdorff S; Umathum R; Nitz W; Wiesel M; Semmler W

MR-guided intravascular angiography of the abdominal arteries using automatic image slice positioning

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1194 (2003)

Bock M; Sikora J; Umathum R; Semmler W

A fiber-optical position sensor for interventional MRI

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 231 (2003)

Bock M; Umathum R; Sikora J; Semmler W

Ein optischer Faraday-Effekt-Sensor für die interventionelle MR-Tomographie

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 168-169 (2003)

Bock M; Zühlsdorff S; Volz S; Umathum R; Fink C; Hallscheidt P; Semmler W

MR catheter tracking for interventional renal artery imaging

MR 2003: MRI - reinventing its novelty M. Reiser, H. Hricak, S.O. Schönberg, K. Nikolaou, C. Zech  
(Hrsg), : 128-130 (2003)

Bongers A; Schad LR

Gradientenmodulierte adiabatische RF-Pulse zur schichtselektiven Magnetisierungsinversion

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 380-381 (2003)

Felzmann CU; Bachert P

Natrium-MR-Bildgebung mit Tripel-Quanten-Filter

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 378-379 (2003)

Fink C; Bock M; Kiessling F; Lichy MP; Krissak R; Zuna I; Schmähel A; Delorme S

Comparison of 1.0 M gadobutrol versus 0.5 M gadopentate dimeglumine (Gd-DTPA) for time-resolved pulmonary MR-angiography

European Journal of Radiology, Suppl. 1 13 : 439 (2003)

Fink C; Bock M; Kiessling F; Lichy MP; Krissak R; Zuna I; Schmähel A; Delorme S

Vergleich von 1.0 M Gadobutrol und 0.5 M Gadopentate Dimeglumine für die zeitlich-aufgelöste pulmonale MR-Angiographie (MRI)

Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 175(Suppl) : 287 (2003)

Fink C; Bock M; Puderbach M; Schmähel A; Lodemann KP; Delorme S

Contrast-enhanced 3D MR perfusion imaging of the lungs using parallel imaging techniques

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1366 (2003)

Fink C; Hallscheidt P; Volz S; Zuehlsdorff S; Umathum R; Galmbacher R; Semmler W; Wiesel M; Nitz W; Bock M

MR-guided renal embolisation using intra-arterial CE-MRA and active catheter tracking

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1188 (2003)

Giesel FL; Hempel A; Wuestenberg T; Amann M; Bongers A; Seidl U; Schonknecht P; Kauczor HU; Schroeder J; Essig M

Age-related changes of brain perfusion and haemodynamic response

Proceedings of the 9th International Conference on Functional Mapping of the Human Brain : in press (2003)

Giesel FL; Wuestenberg T; Hempel A; Amann M; Huebener M; Kauczor HU; Schroeder J; Essig M  
Influence of training effects on cerebral activation in a functional magnetic resonance imaging paradigm  
Proceedings of the 9th International Conference on Functional Mapping of the Human Brain : in press (2003)

Jenne JW; Rastert R; Rademaker G; Divkovic G; Debus J; Huber PE  
MRT-überwachte Chirurgie mit hochenergetischem fokussiertem Ultraschall  
Zeitschrift für Medizinische Physik 13 : 193-197 (2003)

Kiessling F; Boese J; Corvinus C; Mahnegold C; Brix G; Schoenberg SO; Essig M  
Perfusion CT in patients with bronchial carcinomas: Initial results  
European Journal of Radiology, Suppl. 1 13 : 162 (2003)

Kiessling F; Boese J; Corvinus C; Mahnegold C; Brix G; Schoenberg SO; Essig M  
Perfusion CT in patients with primary lung tumors  
American Journal of Roentgenology 180(3) Suppl : 62 (2003)

Kiessling F; Farhan N; Heilmann M; Lichy M; Vosseler S; Krix M; Fusenig N; Delorme S  
Monitoring einer antiangiogenen VEGF-Rezeptor-Antikörpertherapie mit dynamischer MRT  
Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 175(Suppl) : 218 (2003)

Kiessling F; Huber P; Grobholz R; Heilmann M; Meding J; Lichy M; Krix M; Peschke P; Schlemmer H-P  
Dynamic MR-tomography and poton MR sectroscopy of orthotopic grown prostate cancers in rats treated by radiotherapy  
European Journal of Radiology, Suppl. 1 13 : 451 (2003)

Kiessling F; Krix M; Heilmann M; Vosseler S; Lichy M; Farhan N; Kleinschmidt K; Fusenig NE; Delorme S  
Comparing dynamic parameters of tumor vascularisation in nude mice revealed by MRI and intermittent power Doppler sonography  
European Journal of Radiology, Suppl. 1 13 : 235 (2003)

Kiessling F; Lichy MP; Vosseler S; Heilmann M; Fusenig NE; Delorme S  
Effect of Anti-VEGF Receptor II Antibody (DC101) on Vascularisation of Human Squamous Cell Carcinomas in Nude Mice Monitored by Dynamic Magnetic Resonance Imaging  
Proceedings of the Scientific Assembly of The Radiological Society of North America : submitted (2003)

Kinscherf R; Schmidt K; Hoffend A; Altmann A; Strauss LG; Peter J; Dengler TJ; Vorwald S; Eskerski H; Metz J; Haberkorn U  
Überexpression von humanem Angiostatin bzw. Troponin I erhöht die Perfusion und Apoptose bei Rattenhepatomen  
Proceedings der Deutschen Anatomischen Gesellschaft 2003 : in press (2003)

Kirsch S; Bachert P  
Neuartiger Gewebekontrast in MR-Bildern durch intermolekulare Zweiquantenkohärenz-MR-Bildgebung bei 1,5 T  
Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 370-371 (2003)

Krix M; Kiessling F; Delorme S; Essig M

Liver metastases show an homogeneous arterial enhancement in intermittent; low MI sonography using SonoVue

Ultrasound in Medicine and Biology, Suppl. 5 29 : 23-24 (2003)

Krix M; Kiessling F; Hof H; Karcher A; Delorme S; Essig M

Liver metastases show an homogenous arterial enhancement in intermittent; low MI sonography using SonoVue

European Journal of Radiology, Suppl. 1 13 : 270 (2003)

Krix M; Kiessling F; Hof H; Karcher A; Delorme S; Essig M

Homogenous arterial enhancement of liver metastases in intermittent; low-MI sonography using SonoVue

American Journal of Roentgenology 180(3) Suppl : 35 (2003)

Lichy MP; Plathow C; Bachert P; Zuna I; Debus J; Schlemmer HP

Proton MR spectroscopic follow-up of irradiated gliomas: assessment of intra-reader and inter-reader agreement

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1300 (2003)

Loukianiouk S; Peter J

Eine Java-basierte Arbeitsumgebung zur Steuerung von Monte Carlo Simulationen emissionstomographischer Systeme

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 354-355 (2003)

Nielles-Vallespin S; Bock M; Bankamp A; Jerecic R; Umatham R; Schad LR

Indication of <sup>23</sup>Na quadrupolar splitting in the human calf in-vivo using <sup>23</sup>Na NMR imaging

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 860 (2003)

Peter J; LoukianioukS; Doll J; Semmler W

Integration von Modellen zur Simulation von Tumorwachstum in die MC Simulation von ECT Systemen

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 120-121 (2003)

Peter J; LoukianioukS; Semmler W

Fully integrated compartmental kinetic models in Monte Carlo simulation of PET and SPECT systems

Proceedings of the IEEE Medical Imaging Conference 2003 : in press (2003)

Peter J; Semmler W

Integrating kinetic models for simulating tumor growth in Monte Carlo simulation of ECT systems

Proceedings of IEEE Medical Imaging Conference : in press (2003)

Plathow C; Lichy MP; Schulz-Ertner D; Zuna I; Bachert P; Debus J

Prognostic factors in astrocytoma WHO II after radiotherapy - role of MRI follow-up in therapy outcome

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 527 (2003)



Rademaker G; Daecke W; Schad LR

Problemstellung mit LITT am Knochentumormodell bei Monitoring mit MRT

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 358-359 (2003)

Risse F; Boese JM; Kroll A; Schad LR

Vergleich von Methoden zur Perfusionsquantifizierung mittels T2-gewichteter dynamischer Magnetresonanztomographie

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 366-367 (2003)

Schlemmer HP; Schlemmer W; Huber P; Grobholz R; Heilmann M; Meding J; Lichy M; Fink C; Krix M; Peschke P; Kiessling F

Monitoring of orthotopic prostate cancers in rats by dynamic MR-tomography and proton MR spectroscopy

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1286 (2003)

Schmitz C; Bachert P

31-P-31-P-magnetization transfer studies in human calf in vivo

Proceedings of the 44th Experimental Nuclear Magnetic Resonance Conference (ENC) : submitted (2003)

Schröder L; Bachert P

Residual dipolar couplings of anisochronous spin in carnosine in human leg muscle in vivo

Proceedings of the 44th Experimental Nuclear Magnetic Resonance Conference (ENC) : submitted (2003)

Schröder L; Bachert P

Von der Atomuhr zur Molekuldynamik im Muskelgewebe: Anwendung der Hyperfein-Wechselwirkung in der In-vivo-1H-MR-Spektroskopie

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 62-63 (2003)

Siegler P; Boese JM; Schad LR

Stimulated echo sequence for parallel acquisition of two displacement directions in static MR elastography

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 583 (2003)

Siegler P; Schad LR

Parallele Aufnahme von zwei Verschiebungsrichtungen für statische MR-Elastographie mit einer stimulierten Echosequenz

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 208-209 (2003)

Volz S; Zuehlsdorff M; Bock M; Semmler W

Automated near real-time flow velocity measurements with active intravascular catheters

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1195 (2003)

Volz S; Zühlsdorff S; Semmler W; Bock M

Schnelle und automatische Messung der lokalen Flussgeschwindigkeit mit aktiven Kathetern  
Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 174-175 (2003)

Wacker CM; Hartlep AW; Pflieger S; Schad LR; Bauer WR

Susceptibility sensitive magnetic resonance imaging detects human myocardium supplied by a stenotic coronary artery

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1653 (2003)

Wolber G

Was bringt die Bor-Neutronen-Einfang-Therapie (BNCT) in Feldern schneller Neutronen?

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 308-309 (2003)

Zimmermann H; Zuehlsdorff S; Umathum R; Volz S; Semmler W; Bock M

Use of fiducial markers for motion corrected MRI

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1059 (2003)

Zimmermann H; Zühlsdorff S; Volz S; Umathum R; Semmler W; Bock M

Ein aktiver Nadelhalter für MR-geführte Punktionen mit automatischer Schichtnachführung

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 184-185 (2003)

Zuehlsdorff S; Ferrari S; Umathum R; Volz S; Semmler W; Bock M

Catheter tip tracking and visualization with a single receiver coil

Proceedings of the 11th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine  
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2401 (2003)

Zühlsdorff S; Umathum R; Dillenberger B; Volz S; Semmler W; Bock M

Entwicklung eines aktiven MR-Katheters zur Spitzenvisualisierung und -detektion

Medizinische Physik 2003 DGMP Semmler W, Schad L (Hrsg), : 172-173 (2003)