

Publikationen 2004

Bachert P, Lichy MP

Magnetresonanzspektroskopie: II. Anwendung in Diagnostik und klinischer Forschung
Der Radiologe 44 : 81-97 (2004)

Bachmann S, Bottmer C, Pantel J, Schröder J, Amann M, Essig M, Schad LR

MRI-morphometric changes in first-episode schizophrenic patients at 14 months follow-up
Schizophrenia Research 67 : 301-303 (2004)

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

MR-guided intravascular procedures: Real-time parameter control and automated slice positioning with active tracking coils
Journal of Magnetic Resonance Imaging 19 : 580-589 (2004)

Brix G, Kiessling F, Lucht R, Darai S, Wasser K, Delorme S, Griebel J.

Microcirculation and microvasculature in breast tumors: pharmacokinetic analysis of dynamic MR image series.

Magnetic Resonance Materials in Biology, Physics and Medicine 52 : 420-429 (2004)

Doll J, Henze M, Bublitz O, Werling A, Adam LE, Haberkorn U, Semmler W, Brix G

High resolution reconstruction of PET images using the iterative OSEM algorithm
Nuklearmedizin 43 : 72-78 (2004)

Fink C, Bock M, Kiessling F, Lichy C, Krissak R, Zuna I, Schmaehl A, Delorme S, Kauczor H-U

Time-resolved contrast-enhanced three-dimensional pulmonary MR-angiography: 1.0 M gadobutrol vs. 0.5 M gadopentetate dimeglumine
Journal of Magnetic Resonance Imaging 19 (2) : 202-208 (2004)

Fink C, Bock M, Umathum R, Volz S, Zühlsdorff S, Grobholz R, Kauczor H-U, Hallscheidt P

Feasibility of MR-Guidance Using Active Catheter Tracking and Intra-Arterial MR Angiography
Investigative Radiology 39 (2) : 111-119 (2004)

Fink C, Ley S, Puderbach M, Plathow C, Bock M, Kauczor H-U

3D pulmonary perfusion MRI and MR angiography of pulmonary embolism in pigs after a single injection of a blood pool MR contrast agent
European Radiology 14 (7) : 1291-1296 (2004)

Fink C, Puderbach M, Bock M, Lodemann KP, Zuna I, Schmaehl A, Delorme S, Kauczor H-U

Regional lung perfusion: assessment with partially parallel three-dimensional MR imaging
Radiology 231 (1) : 175-184 (2004)

Fink C, Puderbach M, Ley S, Plathow C, Bock M, Zuna I, Kauczor H-U

Contrast-enhanced three-dimensional pulmonary perfusion magnetic resonance imaging: intraindividual comparison of 1.0 M gadobutrol and 0.5 M Gd-DTPA at three dose levels
Investigative Radiology 39 (3) : 143-148 (2004)

Fink C, Risse F, Buhmann R, Ley S, Meyer FJ, Plathow C, Puderbach M, Kauczor HU.

Quantitative analysis of pulmonary perfusion using time-resolved parallel 3D MRI - initial results.
Rofo 176 : 170-174 (2004)

Fink C, Bock M, Umathum R, Volz S, Zühlsdorff S, Grobholz R, Hallscheidt P
Renal embolization: Feasibility of MR-guidance using active catheter tracking and intra-arterial MR angiography
Investigative Radiology 39 : 202-208 (2004)

Froidevaux S, Calame-Christe M, Schuhmacher J, Tanner H, Saffrich R, Henze M, Eberle AN
A gallium-labeled DOTA-alpha-melanocyte-stimulating hormone analog for PET imaging of melanoma metastases
J Nucl Med 45 : 116-23 (2004)

Guehring T, Herrmann M, Kiessling F
Septisch abszedierende Pneumonie hervorgerufen durch Streptokokkus intermedius
Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 176 (3) : 418-420 (2004)

Hallscheidt P, Bock M, Riedasch G, Zuna I, Schoenberg SO, Autschbach F, Soder M, Noeldge G
Diagnostic accuracy of staging renal cell carcinomas using multidetector-row computed tomography and magnetic resonance imaging: a prospective study with histopathologic correlation
Journal of Computer Assisted Tomography 28 (3) : 333-339 (2004)

Hempel A, Giesel FL, Caraballo NMG, Amann M, Meyer H, Wüstenberg T, Essig M, Schröder J
Plasticity of cortical activation related to working memory during training
American Journal of Psychiatry 161 : 745-747 (2004)

J. Peter, W. Semmler
Integrating Kinetic Models for Simulating Tumor Growth in Monte Carlo Simulation of ECT Systems.
IEEE Transactions on Nuclear Science 51 : 2628-33 (2004)

Jerecic R, Bock M, Nielles-Vallespin S, Wacker C, Bauer W, Schad LR
ECG-gated ²³Na-MRI of the human heart using 3D-radial projection technique with ultra-short echo times
MAGMA 16 : 297-302 (2004)

Kiessling F, Greschus S, Lichy C, Bock M, Fink C, Vosseler S, Moll J, Mueller MM, Fusenig NE, Traupe H, Semmler W
A Novel Technology for Non-Invasive High Resolution Monitoring of Tumor Angiogenesis
Nature Medicine 10 (10) : 1133-1138 (2004)

Kiessling F, Huber PE, Grobholz R, Heilmann M, Meding J, Lichy MP, Fink C, Krix M, Peschke P, Schlemmer HP.
Dynamic magnetic resonance tomography and proton magnetic resonance spectroscopy of prostate cancers in rats treated by radiotherapy.
Investigative Radiology 39 : 34-44 (2004)

Kiessling F, Boese J, Corvinus C, Ederle J, Zuna I, Schoenberg SO, Brix G, Schmähl A, Teungerthal S, Herth F, Kauczor HU, Essig M
Perfusion CT in patients with advanced bronchial carcinomas: A novel chance for characterization

and treatment monitoring?

European Journal of Radiology 14 : 1226-33 (2004)

Kiessling F, Farhan N, Lichy M, Vosseler S, Heilmann M, Krix M, Bohlen P, Miller DW, Mueller MA, Semmler W, Fusenig NE, Delorme S

Dynamic contrast-enhanced magnetic resonance imaging rapidly indicates vessel regression in human squamous cell carcinomas grown in nude mice caused by VEGF receptor 2 blockade with DC101

Neoplasia 6 : 1-11 (2004)

Kiessling F, Huber PE, Grobholz R, Heilmann M, Meding J, Lichy MP, Fink C, Krix M, Peschke P, Schlemmer HP

Dynamic MR-tomography and proton MR spectroscopy of prostate cancers in rats treated by radiotherapy

Investigative Radiology 39 : 34-44 (2004)

Kiessling F, Lichy M, Grobholz R, Heilmann M, Farhan N, Michel MS, Trojan L, Ederle J, Zuna I, Kauczor HU, Semmler W, Delorme S

Simple models improve the detection of prostate cancers by T1w dynamic MRI

European Radiology 14 : 1793-1801 (2004)

Krix M, Plathow C, Kiessling F, Herth F, Karcher A, Essig M, Schmitteckert H, Kauczor HU, Delorme S. Quantification of perfusion of liver tissue and metastases using a multivessel model for replenishment kinetics of ultrasound contrast agents.

Ultrasound in Medicine and Biology 30 : 1355-63 (2004)

Krix M, Kiessling F, Essig M, Herth F, Karcher A, Le-Huu M, Kauczor HU, Delorme S

Low MI contrast enhanced ultrasound reflects arterial perfusion of liver metastasis: comparison with CT findings

Investigative Radiology 39 : 216-22 (2004)

Ley S, Fink C, Puderbach M, Plathow C, Risse F, Kreitner KF, Kauczor HU.

Contrast-enhanced 3D MR perfusion of the lung: application of parallel imaging technique in healthy subjects.

Rofo 176 : 330-334 (2004)

Lichy MP, Henze M, Plathow C, Bachert P, Kauczor HU, Schlemmer H-P

Metabolische Bildgebung zur Verlaufskontrolle stereotaktisch bestrahlter Gliome - Wertigkeit der ¹H-MR-Spektroskopie im Vergleich zur FDG-PET und IMT-SPECT

Fortschritte auf dem Gebiet d. Röntgenstrahlen u.d. bildgeb. Verfahren 176 : 1114-1121 (2004)

Lichy MP, Bachert P, Henze M, Lichy CM, Debus J, Schlemmer HP

Monitoring individual response to brain-tumour chemotherapy: proton MR spectroscopy in a patient with recurrent glioma after stereotactic radiotherapy

Neuroradiology 46 (2) : 126-129 (2004)

Peter J, Semmler W

Integrating Kinetic Models for Simulating Tumor Growth in Monte Carlo Simulation of ECT Systems

IEEE Transactions on Nuclear Science 51 : 2628-2633 (2004)

Plathow C, Li M, Gong P, Zieher H, Kiessling F, Peschke P, Kauczor HU, Abdollahi A, Huber PE
E0208

Investigative Radiology 39 (10) : 600-609 (2004)

Plathow C, Li M, Gong P, Zieher H, Kiessling F, Peschke P, Kauczor HU, Abdollahi A, Huber PE.
Computed tomography monitoring of radiation-induced lung fibrosis in mice.

Investigative Radiology 39 : 600-609 (2004)

Plathow C, Lichy MP, Bachert P, Zuna I, Kauczor HU

The role of MRI in patients with astrocytoma WHO II treated with fractionated stereotactic
radiotherapy

European Radiology 14 : 679-685 (2004)

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

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

European Radiology 14 : 679-685 (2004)

Schad LR

Problems in texture analysis with magnetic resonance imaging

Dialogues Clin Neurosci 6 (2) : 235-242 (2004)

Schröder L, Schmitz C, Bachert P

Phase modulation in dipolar-coupled A2 spin systems: effect of maximum state mixing in ¹H NMR in
vivo

Journal of Magnetic Resonance 171 : 207-212 (2004)

Schröder L, Schmitz C, Bachert P

Molecular dynamics and information on possible sites of interaction of intramyocellular metabolites
in vivo from resolved dipolar couplings in localized ¹H NMR spectra

Journal of Magnetic Resonance 171 : 213-224 (2004)

Schulz RB, J. Ripoll, V. Ntziachristos

Experimental Fluorescence Tomography of Tissues With Noncontact Measurements

IEEE Transactions on Medical Imaging 23 (4) : 492-500 (2004)

Semmler W, Schlemmer HP

Magnetresonanztomographie (MRS)

Nova Acta Leopoldina NF 89 337 : 107-118 (2004)

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

Fast flow velocity measurements using catheter coils with a limited sensitivity profile

Magnetic Resonance in Medicine 52 (3) : 575-581 (2004)

Weber MA, Bock M, Plathow C, Wasser K, Fink C, Zuna I, Schmahl A, Berger I, Kauczor H-U,
Schoenberg SO

Asbestos-related pleural disease: value of dedicated magnetic resonance imaging techniques

Investigative Radiology 39 : 554-64 (2004)

Weber MA, Kroll A, Günther M, Delorme S, Debus J, Giesel FL, Essig M, Kauczor HU, Schad LR
Nichtinvasive Messung des relativen zerebralen Blutflusses mit der MR-Blutbolusmarkierungstechnik
(arterial-spin-labeling): Physikalische Grundlagen und klinische Anwendungen
Der Radiologe 44 : 164-173 (2004)

Weber MA, Thilmann C, Lichy MP, Günther M, Delorme S, Zuna I, Bongers A, Schad LR, Debus J,
Kauczor H-U, Essig M, Schlemmer H-P
Assessment of irradiated brain metastases by means of arterial spin-labeling and dynamic
susceptibility-weighted contrast-enhanced perfusion MRI: Initial results
Investigative Radiology 39(5) : 277-287 (2004)

Wolber G
Fast neutron beams for boron neutron capture therapy?
Zeitschrift für Medizinische Physik 14 : 55-63 (2004)

Zühlsdorff S, Umathum R, Volz S, Hallscheidt P, Fink C, Semmler W, Bock M
MR coil design for simultaneous tip tracking and curvature delineation of a catheter
Magnetic Resonance in Medicine 52 (1) : 214-218 (2004)

Other Articles

Bachert P, Semmler W, Schlemmer H-P
Magnetresonanzspektroskopie in der klinischen Onkologie
Onkologie - Grundlagen Diagnostik Therapie Entwicklungen ecomed Medizin, Verlagsgruppe Hüthig
Jehle Rehm, Heidelberg Zeller WJ, zur Hausen H, 18. Erg. Lfg. 12/04, S1-39 (Hrsg), : (2004)

Bock M, Müller S, Zuehlsdorff S, Speier P, Semmler W
Interactive Parallel-Imaging Pulse Sequences for Active Catheter Tracking with Real-Time Image
Reconstruction
MRA Workshop 2004 London, Ontario : 46 (2004)

Bock M, Umathum R, Sikora J, Semmler W
Ein Faraday-Effekt-Positionssensor für die interventionelle Magnetresonanztomographie
Verhandlungen der DPG VI 39 : 166 (2004)

Bock M, Umathum R, Zuehlsdorff S, Volz S, Fink C, Hallscheidt P, Zimmermann H, Semmler W
Interventional Magnetic Resonance Imaging: An Alternative without Ionising Radiation
International Workshop on Optimisation of dose and performance in interventional and digital
imaging Leuven, Belgium : 53 (2004)

Bock M, Volz S, Zuehlsdorff S, Umathum R, Fink C, Hallscheidt C, Semmler W
Catheter-based Real-time Flow Measurement
Proceedings of the 2004 International Workshop on Flow and Motion : 27-28 (2004)

Bock M, Zimmermann H, Gutmann B, Melzer A, Fischer H, Semmler W
Combination of a Fully MR-compatible Robotical Assistance System for Closed-bore High-field MRI Scanners with Active Device Tracking and Automated Image Slice Positioning
Radiological Society of North America scientific assembly and annual meeting program Oak Brook, Ill : 398 (2004)

Bock M, Zuehlsdorff S, Volz S, Umathum R, Zimmermann H, Müller S, Fink C, Hallscheidt P, Nitz W, Semmler W
Magnetresonanztomographie: Ein Werkzeug für Diagnostik und Therapie
Verhandlungen der DPG VI 39 : 165 (2004)

Bock M; Zimmermann H; Gutmann B; Melzer A; Fischer H; Semmler W
Kombination eines MR-kompatiblen Assistenzsystems mit aktiven Markierungsspulen und automatischer Schichtnachführung für MR-geführte perkutane Interventionen
Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 170-171 (2004)

Bongers A; Schad LR
Oxygen extraction mapping from susceptibility difference measurements: Comparison of data evaluation strategies in a phantom
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1083 (2004)

Doll J; Bendl R; Henze M; Höss A; Haberkorn U; Schlegel W
Integration of biological information in precision radiotherapy planning of meningiomas
Proceedings of the XIVth International Conference on the Use of Computers in Radiation Therapy (ICCR Jeong Publishing, Seoul, Korea B.Y. Yi u.a. (Hrsg), : 608-611 (2004)

Ebert M, Henze M, Hipp P, Schad L.
Imaging - Nuclear Medicine.
3D Conformal Radiation Therapy - Multimedia Introduction to Methods and Techniques Springer Verlag, Berlin, Heidelberg, New York 2001; 2nd Edition Schlegel W, Mahr A (Hrsg), : (2004)

Essig M; Bock M
Non-enhanced dynamic digital subtraction MRA in cerebral arterio-venous malformations
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1174 (2004)

Fink C; Bock M; Kroeker R; Requardt M; Ley S; Kauczor H-U
Contrast-enhanced MRA with elliptic-centric view ordering and view sharing: Theoretical considerations and application in patients with cardiopulmonary disease
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 6 (2004)

Kiessling F; Greschuss S; Lichy M; Fink C; Vosseler S; Moll J; Fusenig N; Traupe H; Semmler W
Initial experiences with flat-panel-volume computed tomography (VCT) for imaging tumor angiogenesis in nude mice: Comparison with micro MR-angiography
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1977 (2004)

Kiessling F; Lichy M; Grobholz R; Heilmann M; Farhan N; Michel MS; Trojan L; Ederle J; Delorme S; Kauczor HU; Semmler W

Comparison of physiological and descriptive parameters of intensity-time-curves derived from Gd-DTPA enhanced dynamic MRI for the assessment of prostate cancers in patients
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2069 (2004)

Kirsch S; Bachert P

Probing dimensions of periodic microstructures using intermolecular multiple-quantum coherences at 1.5 T

Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2341 (2004)

Kroll A; Risse F; Bongers A; Schad LR

A perfusion phantom for the validation of arterial spin labeling measurements

Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1376 (2004)

Kuder T; Risse F; Schad L; Kauczor HU; Fink C

Dreidimensionale Visualisierung von MR-Lungenperfusionsmessungen

Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 252-253 (2004)

Maßner J; Bongers A; Schad LR

Optimierung von Sättigungspulsen in der MRT - Vergleich Standardpulse vs. optimierte Pulse

Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 270-271 (2004)

Menze BH; Wormit M; Lichy MP; Bachert P; Schlemmer H-P; Hamprecht FA

Classification of MR spectra by means of pattern recognition

Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2261 (2004)

Mueller S; Semmler W; Bock M

A parallel image reconstruction for real-time MRI: Neither SMASH nor SENSE

Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2248 (2004)

Müller S; Speier P; Zühlsdorf S; Semmler W; Bock M

Parallele MR-Bildgebung mit interaktiver Schichtnachführung und Echtzeitrekonstruktion

Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 156-157 (2004)

Neff T; Bachert P; Lichy M; Schlemmer H-P; Bendl R

Einsatz der Protonen-MR-spektroskopischen Bildgebung zur Zielvolumenbestimmung in der Strahlentherapieplanung bei glialen Hirntumoren

Bildverarbeitung für die Medizin 2004, Algorithmen - Systeme - Anwendungen Springer Verlag Berlin Heidelberg New York T. Tolxdorff; J. Braun; H. Handels; A. Horsch; H.-P. Meinzer (Hrsg), : 145-149 (2004)

Neff T; Bachert P; Lichy M; Schlemmer H-P; Bendl R; Schlegel W
Methods for quantification of tumor probability in radiotherapy planning based on MR-spectroscopic data

Proceedings of the XIVth International Conference on the Use of Computers in Radiation Therapy (ICCR Jeong Publishing, Seoul, Korea B.Y. Yi u.a. (Hrsg), : 340-342 (2004)

Niellas-Vallespin S; Bock M; Bankamp A; Thiel T; Bongers A; Umatham R; Schad LR
Conventional and radial k-space sampling for ²³Na MRI at 1.5T and 4T
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1697 (2004)

Peter J, Nix O
Hybrid Phantom Representation for Simulation of CT Systems Using Intrinsic Shapes
Proc. IEEE Medical Imaging Conf., Rome IEEE-NSS/MIC, Seibert T [Ed.] (Hrsg), : M5-242 (2004)

Peter J, Schulz RB
Investigation of Combined Optical and PET Small Animal Imaging Systems Using a Fully Integrated Monte Carlo Approach
Molecular Imaging 3 : 258-259 (2004)

Peter J, Schulz RB
Time-Resolved Monte Carlo Simulation of Optical and Isotopic Photons in Hybrid Phantoms
Proc. IEEE Medical Imaging Conf., Rome IEEE-NSS/MIC, Seibert T [Ed.] (Hrsg), : M5-78 (2004)

Razavi K; Wacker CM; Schad LR
Myocardial perfusion imaging with arterial spin labeling using saturation-prepared TrueFISP
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1843 (2004)

Risse F; Fink C; Kuder TA; Buhmann R; Schad LR
Minimierung des Gefäßsignals in der quantitativen Perfusions MRT der Lunge mittels Korrelationsanalyse
Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 174-175 (2004)

Risse F; Fink C; Ley S; Kauczor H-U; Schad LR
Perfusion quantification of the whole lung using singular value decomposition with optimized threshold
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 2611 (2004)

Schröder L; Schmitz C; Bachert P
Molecular dynamics and information on possible sites of interaction of intramyocellular metabolites in vivo from resolved dipolar couplings in localized ¹H MR spectra
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 788 (2004)

Schulz RB, J. Ripoll, D. Yessayan, V. Ntziachristos
Non-contact fluorescence molecular tomography (FMT) of small animals
OSA, Biomedical Topical Meeting Optical Society of America (Hrsg), : (2004)

Schulz RB, Bangerth W, Peter J, Semmler W
Independent modeling of fluorescence excitation and emission with the finite element method
OSA, Biomedical Topical Meeting Optical Society of America (Hrsg), : (2004)

Siegler P; Divkovic G; Jenne J; Schad LR
Darstellung von hochfokussiertem Ultraschall erzeugten Scherwellen mittels dynamischer
Magnetresonanz-Elastographie
Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 56-57 (2004)

Stieltjes B; Klussmann S; Bock M; Martin-Villalba A; Essig M
Transient increased permeability of the blood spinal cord brain barrier after spinal cord injury in mice
visualized using Gadolinium-enhanced MRI
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 1443 (2004)

Volz S; Zuehlsdorff S; Fink C; Hallscheidt P; Semmler W; Bock M
Evaluation of real-time flow measurements with catheter coils by simulations
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 960 (2004)

Zimmermann H; Gutmann B; Melzer A; Fischer H; Semmler W.
Kombination eines MR-kompatiblen Assistenzsystems mit aktiven Markierungsspulen und
automatischer Schichtnachführung für MR-geführte perkutane Interventionen
Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 170-171 (2004)

Zimmermann H; Gutmann B; Melzer A; Nitz W; Semmler W; Bock M.
Nadelpositionierung durch das Assistenzsystem INNOMOTION in Kombination mit Targeted HASTE
(TASTE) Bildgebung für Interventionen am geschlossenen 1,5 T Tomographen
Medizinische Physik 2004 DGMP Wolf U (Hrsg), : 168-169 (2004)

Zimmermann H; Zuehlsdorff S; Volz S; Umathum R; Semmler W; Bock M
Local-look HASTE MRI with interactive slice positioning for an active needle system
Proceedings of the 12th Scientific Meeting of the Int. Society for Magnetic Resonance in Medicine
ISMRM International Society for Magnetic Resonance in Medicine (Hrsg), : 955 (2004)