

SUBJECT INDEX TO VOLUME 1

Abdominal aortography	14	tumor response to vasomodulators	236
Abnormal brain regions	159	utility of.....	229
normal function of	159	Brain connectivity	138
Acute arterial occlusion	193	Brain death	184
diagnosis of.....	193	transcranial doppler ultrasonography in	184
Acute cerebral ischemia.....	179	Brain function.....	170
transcranial doppler ultrasonography in	179	hierarchical concepts in	170
Acute stroke	193	Brain mapping.....	131
transcranial doppler in	193	application of	137
Amygdala.....	116,163	connectivity of	131
neuromodulatory role for.....	116	correlations between preoperative neurofunctional imaging/intrasurgical stimulation in	136
Amygdala function.....	115	diffusion tensor imaging in.....	134
fMRI in	115	functional results of	140
Anesthesia	248	functional	131
Angiogenesis.....	28,230,237	image-guided surgery in	134
blood oxygen level dependent (BOLD) MRI imaging technique in	237	intraoperative methods in.....	134
by tumor hypoxia.....	230	invasive electrophysiological mapping in.....	135
gallium-68 in assessment of	28	metabolic	131
technetium-99M in assessment of	28	metabolic imaging in	131
Angular gyrus.....	137	methods for	131
in calculation.....	137	neurofunctional imaging in	133
role of	137	neuro-oncological results of.....	141
Anterior cingulate cortex	161	plasticity applied to.....	131
Apoptosis	26,221,222	preoperative non-invasive neuroimaging in	131
gallium-68 assessment of.....	26	Brain pathophysiology	137
<i>in vivo</i> imaging of.....	221	Brain plasticity	139,140
potential tracers for.....	222	surgical use of	140
technetium-99M in assessment of	26	Brain stem	163
Arteriovenous malformations	184	Brain tumors.....	62,279,287
transcranial doppler ultrasonography in	184	clinical features of.....	62
Automated pattern recognition techniques	292	epidemiology of	62
Basal ganglia thalamocortical loops (BGTCs).....	162	magnetic resonance spectroscopy in.....	279
Biopsy-unit.....	217	proton multi-voxel metabolite imaging in	287
and electrical impedance scanning	217	proton single voxel spectroscopy in.....	279
Blood oxygenation level dependence (BOLD).....	253	spectroscopic imaging in	279
Blood oxygen level dependent (BOLD) MRI imaging technique	229	use of radiopharmaceuticals.....	62
application of	236	Breast	214
carbogen stimulated.....	235	EIS-examination of.....	214
correlation with tumor PO ₂	233	Breast cancer	280,289
current issues in	229	magnetic resonance spectroscopy in.....	280
for assessment of modulations in tumor oxygenation	229	proton multi-voxel metabolite imaging in	289
in angiogenesis	237	proton single voxel spectroscopy in.....	280
in mapping tumor acute hypoxia	238	spectroscopic imaging in	280
in maturation of vessels	237	Breast lesions	214
in monitoring photodynamic therapy of solid tumor.....	237	electrical impedance scanning in	214
parameters affecting in tumor.....	232	Breast screening	214
theoretical/technical considerations of	231	electrical impedance scanning in	214
tumor hypoxia evaluation by	235	Canonical retinotopic map	321
		morphing of.....	321
		Cardiac surgery	185
		transcranial doppler ultrasonography in	185

Carotid endarterectomy.....	185	as tool for US/MR.....	214
transcranial doppler ultrasonography in	185	benefit on BI-RADS 4 lesions	214
Cerebral circulatory arrest.....	183	clinical applicability of	214
transcranial doppler ultrasonography in	183	current status of.....	209,214
Cerebral tumors.....	131	high frequency application of	217
diffusion tensor imaging in.....	134	in breast lesions.....	214
image-guided surgery in	134	in breast screening	214
intraoperative methods in	134	in pediatric radiology	215
invasive electrophysiological mapping in	135	in skin lesions.....	215
metabolic imaging in	131	music algorithm	216
neurofunctional imaging in.....	133	of lymph nodes.....	215
preoperative non-invasive neuroimaging in	131	postprocessing options in.....	216
surgery of.....	131	recent development in.....	209
Cerebrovascular reactivity	178	role of hormones	214
transcranial doppler ultrasonography in	178	technical developments towards	216
Cognitive activation paradigms	341	use of lymph node scanner.....	218
for obsessive-compulsive disorder (OCD)	341	use of objective software version.....	216
Computed tomography.....	204	Emotion fMRI	117
for preoperative diagnostic imaging		clinical application of.....	117
procedures.....	204	Emotional learning	157,166
Coronary angiography	13	and depressive illness.....	157,166
peripheral artery invasive angiography in	13	theories for	168
CT imaging	1	Endocrinology.....	71
role in recurrent ovarian cancer.....	1	quantitative ultrasound in.....	71
Delayed ischemic deficit.....	182	Epilepsy.....	286
transcranial doppler ultrasonography in	182	proton multi-voxel metabolite imaging in	286
Demyelinating disease	277,283	Extracranial ICA stenosis.....	178
proton multi-voxel metabolite imaging in	283	transcranial doppler ultrasonography in	178
spectroscopic imaging in	277	Eye fields.....	138
Depressive illness.....	157	Facial emotion processing.....	116,117
and emotional learning	157,166	factors influencing neurobiological correlates.....	117
and neural predictive error signals.....	170	fMRI in.....	116
clinical features of	165	in healthy subjects.....	117
future imaging studies to	171	FMRI	115
imaging studies of.....	158	analysis methods to	119
Diffusion tensor imaging	134	and physiological artifacts	120
in brain mapping	134	common measurement of.....	119
in cerebral tumors	134	ethical considerations for	126
Dominant insula.....	137	facial emotion processing	116
in language.....	137	geometric distortion to	120
role of.....	137	implementation in diagnosis	125
Dorsolateral prefrontal cortex	162	in development of future psychotropic drugs	125
Dynamic vascular assessment (DVA)	187	in drug evaluation	125
by transcranial doppler ultrasonography	187	in monitoring of pharmacological/ psychotherapeutic treatment	125
Echo planer spectroscopic imaging (EPSI).....	289	in understanding of amygdala function	115
EIS-examination	214	methodological issues to	119
of breast	214	of emotions	115
Electrical impedance scanning.....	209	of human amygdala.....	116
and biopsy-unit	217	potential applications of limbic.....	125
and skin artifacts.....	214	problems of	119
application of	216	prospects for psychiatric applications.....	125
application to salivary gland.....	215	relevance of.....	125
as diagnostic tool in cancer detection	209	signal loss in.....	120
		FMRI-activation maps	253
		and motion artifacts	253

and physiological motion artifacts.....	259	HR-MR studies.....	37
blurring artifacts in	258	for osteoporosis.....	37
changes on effective Shim.....	257	for trabecular bone structure	37
changes on spin history.....	257	Human brain.....	105
geometrical distortion in.....	258	voxel-based morphometry of.....	105
linear effects in	254,256	Image-guided surgery.....	134
motion correction methods in.....	256	in brain mapping	134
motion-task correlated during.....	256,260	in cerebral tumors	134
non-linear effects in	254,257	Imaging modality	212
R ₂ * changes to	258	limitation of.....	212
role of motion detector	260	Imaging studies	158,171
signal loss during	258	of depressive illness.....	158,171
susceptibilities effects in.....	257	Imaging technique.....	2
Foveal confluence	326	for recurrent ovarian cancer	2
nature of.....	326	Immobilization	71
Functional brain images	81	quantitative ultrasound in.....	71
analysis of.....	81	<i>In vivo</i> imaging.....	221
Functional imaging-FDG PET	2	applications of.....	221
role in recurrent ovarian cancer.....	2	clinical application in oncology	226
Fundus autofluorescence.....	89	in oncology	221
retinal pigment epithelium using	89	in tumor uptake evaluation	224
Gallium-68	25	methodological aspects of.....	221
in assessment of angiogenesis	28	of apoptosis	221
in assessment of apoptosis	26	Increased intracranial pressure.....	183
in assessment of gene	28	transcranial doppler ultrasonography in	183
in assessment of metabolic imaging	30	Infectious disease	276
in assessment of nucleic acid-based targets.....	28	spectroscopic imaging in	276
in assessment of tumor hypoxia.....	30	Integrated 18-F FDG PET/CT.....	1
tumor specific imaging using	25	role of	1
Gene	28	in recurrent ovarian cancer.....	1
gallium-68 in assessment of.....	28	Integrated PET/CT	2
technetium-99M in assessment of	28	role in recurrent ovarian cancer.....	2
Gene expression.....	230	Internal mammary angiography	13
tumor hypoxia effects on	230	and subclavian.....	13
Geometric distortion	49,51,53,54,120	Intracranial hypertension.....	183
in representative MRI systems	54	transcranial doppler ultrasonography in	183
in structural magnetic resonance imaging	49,51,53	Intracranial stenosis.....	177
methods for correcting	56	transcranial doppler ultrasonography in	177
to fMRI	120	Intraoperative methods.....	134
Glioma surgery.....	137	in brain mapping	134
fundamental issues of	137	in cerebral tumors	134
High resolution (HR) MRI.....	37	Intraoperative plasticity.....	139
for osteoporosis.....	37	Intravascular ultrasound augmentation	6
for trabecular bone structure.....	37	to thrombolysis	6
Hippocampus	163	Intravascular ultrasound lysis.....	6
Histopathology	213	and thrombolysis	6
of tumor	213	Invasive electrophysiological mapping.....	135
Hormones	214	in brain mapping	135
electrical impedance scanning of.....	214	in cerebral tumors	135
HR-MR imaging	38	Ischemic cerebrovascular disease	177
for osteoporosis.....	38	transcranial doppler ultrasonography in	177
for trabecular bone structure.....	38	Ischemic heart failure	17
		assessment of myocardial viability in.....	17

gated aspect in	18	Metastasis	230
pathophysiological aspects of	17	by tumor hypoxia	230
radionuclide cardiac imaging in	17	Microbubble augmented ultrasonographic ultrasound	8
Lateral occipital cortex	325	Microemboli detection	181
retinotopy of	325	transcranial doppler ultrasonography in	181
Ligand studies	343	Morphologic imaging	1
in obsessive-compulsive disorder (OCD)	343	role in recurrent ovarian cancer	1
Lymph node scanner	218	Motion artifact	254
electrical impedance scanning of	218	MR examination	313
Magnetic resonance imaging (MRI)	1,35,43	MR findings	314
evaluation of brain iron by	43	differential diagnosis based on	314
for examination	35	of transient lesions in SCC	314
of iron in Parkinson's disease	43	MR hardware-related	50
role in recurrent ovarian cancer	1	geometric distortion	50
Magnetic resonance spectroscopy	205,271	MRI systems	54
advantage of	281	geometric distortion in	54
as clinical evaluation tool	291	MRI-based anatomical map	81
challenges to	291	MRS studies	343
clinical application of	271	in obsessive-compulsive disorder (OCD)	343
current clinical usage of	274	Multidrug resistance	64
in brain tumors	279	and sestamibi (MIBI)	64
in breast cancer	280	Neural predictive error signals	169
in metabolic disease	278	animal studies of	169
in neuro-anatomy studies	275	in depressive illness	170
in oncological diseases	278	human imaging studies of	169
in other solid tumors	281	Neuro-anatomy studies	275,283
in psychiatry	278	magnetic resonance spectroscopy in	275
<i>in vivo</i>	271	proton multi-voxel metabolite imaging in	283
limitation of	281	proton single voxel spectroscopy in	275
localization of	290	Neuro-degenerative disease	277,285
methods for archiving data of	291	proton multi-voxel metabolite imaging in	285
other clinical conditions	281	spectroscopic imaging in	277
patient issues to	292	Neurofunctional imaging	133
preoperative diagnostic imaging procedures of	205	in brain mapping	133
principles of	272	in cerebral tumors	133
quality assurance of spectral data of	292	Neuroimaging	331
quantification/interpretation of spectra of	292	in obsessive-compulsive disorder (OCD)	331
role in multi-center studies	291	Neurological disorders	275,283
Malignant phenotype	230	proton single voxel spectroscopy in	275
tumor hypoxia effects on	230	proton multi-voxel metabolite imaging in	283
Mapping tumor acute hypoxia	238	Neuromodulatory effect	116
blood oxygen level dependent (BOLD) MRI		for amygdala	116
imaging technique in	238	Non-invasive imaging	89
Metabolic bone diseases	67	of retinal pigment epithelium	89
quantitative ultrasound in	67	Non-invasive neuroimaging	131
Metabolic disease	278,285	in brain mapping	131
magnetic resonance spectroscopy in	278	in cerebral tumors	131
proton multi-voxel metabolite imaging in	285	Normal human emotion	163
spectroscopic imaging in	278	and reinforcers	163
Metabolic imaging	21,30,131	Nucleic acid-based targets	28
and positron emission tomography	21	gallium-68 in assessment of	28
gallium-68 in assessment of	30	technetium-99M in assessment of	28
in brain mapping	131		
in cerebral tumors	131		
technetium-99M in assessment of	30		

Obsessive-compulsive disorder (OCD)	331	Physiological motion artifacts.....	255
cognitive activation paradigms for	341	Positron emission tomography (PET)	21,245
ligand studies in	343	and metabolic imaging.....	21
MRS studies in.....	343	Postoperative plasticity	140
neuroimaging in.....	331	Pregnancy/lactation	70
resting-state studies in	334	quantitative ultrasound in.....	70
structural imaging studies in.....	332	Premotor cortex	137
symptom provocation studies of.....	338	in language.....	137
Occipital retinotopy	319	role of	137
eccentricity-bias hypothesis about.....	326	Preoperative diagnostic imaging procedures	199
extended concepts of	319	clinical approach to	200
Oncologic diseases.....	70,278,287	computed tomography for.....	204
magnetic resonance spectroscopy in.....	278	in secondary hyperparathyroidism.....	199
proton multi-voxel metabolite imaging in	287	management of.....	200
proton single voxel spectroscopy in	278	medical options for	200
quantitative ultrasound in	70	preoperative non-invasive imaging tools for	200
spectroscopic imaging in	278	role of.....	199
Orbitofrontal cortex	161	surgical options for	200
Osteoporosis.....	35,69	use of 201-thallium with subtraction	203
high resolution (HR) MRI for.....	37	use of 99M Tc-sestamibi.....	201
<i>in vitro</i> HR- MR studies for.....	37	use of magnetic resonance	205
<i>in vitro</i> relaxometry studies for	36	use of parathyroid scintigraphy.....	200
<i>in vivo</i> HR- MR imaging for.....	38	use of PET with (1)C-methionine.....	205
<i>in vivo</i> relaxometry for	36	Preoperative neurofunctional imaging/intrasurgical	
involution of skeleton in.....	70	stimulation.....	136
management of	69	in brain mapping	136
quantitative ultrasound in	69	Preoperative non-invasive imaging tools	200
relaxometry for	35	for preoperative diagnostic imaging	
skeletal growth in.....	69	procedures	200
Parathyroid glands	199	Preoperative plasticity	139
anatomophysiology of	199	Probabilistic anatomical labeling	84
Parathyroid scintigraphy	200	Probabilistic atlases.....	81
preoperative diagnostic imaging procedures of.....	200	applications of.....	84
Parkinson's disease (PD)	43	population-based.....	81
magnetic resonance imaging (MRI) in	43	Probabilistic map.....	84
pulse sequences for evaluation of brain iron in	44	of vascular territory.....	84
Pediatric radiology	215	Probabilistic volume of interest	85
electrical impedance scanning in	215	Prostate cancer	288
Peripheral artery invasive angiography	13	proton multi-voxel metabolite imaging in	288
indications of	13	Proton multi-voxel metabolite imaging	281
in patients undergoing coronary angiography	13	clinical applications/use of.....	283,290
usefulness of	13	education of.....	290
Periprocedural/perioperative monitoring	185	in brain tumors	287
transcranial doppler ultrasonography in	185	in breast cancer	289
PET with (1)C-methionine.....	205	in demyelinating disease.....	283
preoperative diagnostic imaging procedures of.....	205	in epilepsy.....	286
2D phantoms	51	in metabolic diseases	285
in structural magnetic resonance imaging	51	in neuro-anatomy studies	283
3D phantoms	52	in neuro-degenerative diseases	285
in structural magnetic resonance imaging	52	in neurological disorders.....	283
Pharmacological/psychotherapeutic treatment	125	in oncological diseases.....	287
fMRI in monitoring of	125	in other clinical conditions	289
Physiological artifacts.....	120	in prostate cancer	288
fMRI and.....	120	in psychiatry.....	285
		in vascular diseases/traumas	283
		practical guidelines of.....	290

techniques for	282	role of integrated PET/CT	2
training of	290	role of morphologic imaging	1
Proton single voxel spectroscopy.....	274	role of MR imaging	1
advantages of	281	Regional cerebral glucose utilization (RCMR _{GLC})	246
clinical application of	275	absolute quantification of.....	246
in brain tumors.....	279	in mice by [¹⁸ F]FDG	246
in breast cancer	280	Relaxometry	35,36
in neuro-anatomy studies.....	275	for osteoporosis.....	35,36
in neurological disorders	275	for trabecular bone structure	35
in oncological diseases	278	Renal osteodystrophy	70
in psychiatry	278	quantitative ultrasound in.....	70
limitation of	281	Retinal pigment epithelium.....	89
other clinical conditions of	281	noninvasive imaging of.....	89
techniques for	274	monitoring of	89
Psychiatric applications	125	using fundus autofluorescence.....	89
FMRI prospects for.....	125	Retinotopic areas.....	322
Psychiatry.....	278,285	V3A as	322
magnetic resonance spectroscopy in.....	278	V3B as.....	322
proton multi-voxel metabolite imaging in	285	V4 as	324
proton single voxel spectroscopy in	278	V7 as	323
spectroscopic imaging in	278	Retinotopy	325
Psychotropic drugs.....	125	of human motion area	325
FMRI in development of	125	of lateral occipital cortex	325
Quantitative metabolic brain imaging.....	245	Rhinoplasty	75
future perspective of	249	materials/methods used in.....	76
in mice	245	ultrasonography for.....	75
issues of	245	Right to left cardiac shunts.....	181
with small animal PET	245,249	transcranial doppler ultrasonography in	181
Quantitative ultrasound.....	67	Safety consideration	187
in assesment of bone side effects of therapies.....	70	for transcranial doppler ultrasonography	187
in diagnosis of metabolic bone diseases	67	Secondary hyperparathyroidism.....	199
in endocrinology	71	preoperative diagnostic imaging procedures in	199
in immobilization.....	71	Sestamibi (MIBI)	61
in oncologic diseases	70	clinical application of.....	63
in osteoporosis.....	69	and multidrug resistance	64
in pregnancy/lactation.....	70	Sickle cell disease	181
in renal osteodystrophy.....	70	transcranial doppler ultrasonography in	181
quality of bone assessed by	68	Signal loss	121
studies in males.....	69	techniques applied in	121
Radionuclide cardiac imaging.....	17	Single photon emission tomography (SPECT)	61
after nitrate administration.....	18	imaging primary tumor by	61
clinical implication of.....	21	tetrofosmin with.....	61
in patients with ischemic heart failure	17	with technetium-99M sestamibi (MIBI)	61
with single-photon emission computed tomography	17	Single-photon emission computed tomography	17
Radiopharmaceuticals.....	62	radionuclide cardiac imaging with.....	17
use in brain tumors	62	Skin lesions	215
Radiotherapy	230	electrical impedance scanning in	215
tumor hypoxia resistance to.....	230	Small animal PET scanner	245
Recurrent ovarian cancer	1	Solid tumors	281
clinical follow-up	1	magnetic resonance spectroscopy in.....	281
image analysis in	3	Sonographic visualizability.....	213
imaging technique for	2	in tumor.....	213
integrated 18-F FDG PET/CT in.....	1		
role of CT imaging.....	1		
role of functional imaging-FDG PET	2		

Spectroscopic imaging.....	271	^{99m} Tc-annexin V scintigraphy.....	223
advantages of.....	281	methodological aspects of.....	223
as clinical evaluation tools.....	291	in tumor uptake evaluation.....	224
challenges of.....	291	TCI (TM)-centillion system.....	211
clinical application of.....	271	^{99m} Tc-sestamibi.....	201
in brain tumors.....	279	preoperative diagnostic imaging procedures of.....	201
in breast cancer.....	280	^{99m} Tc-tetrofosmin.....	65
in demyelinating disease.....	277	Technetium-99M.....	25
in infection disease.....	276	assessment of apoptosis using.....	26
in metabolic disease.....	278	in assessment of angiogenesis.....	28
in neuro-anatomy studies.....	275	in assessment of gene.....	28
in neuro-degenerative disease.....	277	in assessment of metabolic imaging.....	30
in oncological diseases.....	278	in assessment of nucleic acid-based targets.....	28
in psychiatry.....	278	in assessment of tumor hypoxia.....	30
in trauma.....	276	tumor specific imaging using.....	25
in vascular disease.....	276	Technetium-99M sestamibi (MIBI).....	61
<i>in vivo</i>	271	single photon emission tomography with.....	61
limitation of.....	281	Tetrofosmin.....	61
localization of.....	290	with single photon emission tomography.....	61
methods for archiving data of.....	291	Thallium with subtraction.....	201-203
other clinical conditions.....	281	preoperative diagnostic imaging procedures of.....	203
patient issues to.....	292	Thrombolysis.....	5,187
quality assurance of spectral data of.....	292	and intravascular ultrasound lysis.....	6
quantification/interpretation of spectra of.....	292	and ultrasound.....	6
role in multi-center studies.....	291	current therapy for.....	5
working knowledge of.....	273	effects of transcranial doppler ultrasonography.....	187
Splenium of corpus callosum (SCC).....	313	goals for.....	10
transient focal lesions in.....	313	intravascular ultrasound augmentation to.....	6
with restricted diffusion.....	313	ultrasound augmented.....	5
Stimulus-correlated motion.....	121	Thrombolysis clotbust trial.....	195
Structural magnetic resonance imaging.....	49	ultrasound enhanced.....	195
geometric distortion in.....	49,51,53	Thrombolytic agents.....	6
measurement/characterization of.....	51	transcutaneous ultrasound augmentation of.....	6
2D phantoms in.....	51	Thrombolytic therapy.....	194
3D phantoms in.....	52	with ultrasound.....	194
Subarachnoid hemorrhage.....	182	tPA thrombolysis.....	6
transcranial doppler ultrasonography in.....	182	ultrasound augmented.....	6
Subclavian arteries stenosis.....	179	Trabecular bone structure.....	35
transcranial doppler ultrasonography in.....	179	HR-MRI for.....	37
Subcortical language pathways.....	138	<i>in vitro</i> HR-MR studies for.....	37
Subcortical motor pathways.....	138	<i>in vitro</i> relaxometry studies for.....	36
Subcortical somatosensory pathways.....	138	<i>in vivo</i> HR-MR imaging for.....	38
Subcortical visual pathways.....	138	<i>in vivo</i> relaxometry for.....	36
Supplementary motor area (SMA).....	137	relaxometry for.....	35
pathophysiology of.....	137	Transcranial color coded duplex.....	196
Tanscranial color-coded duplex ultrasonography.....	186	Transcranial doppler.....	193
contrast enhanced.....	187	augment acute stroke treatment.....	193
Transcutaneous ultrasound augmentation.....	6	to target thrombus.....	193
of thrombolytic agents.....	6	Transcranial doppler ultrasonography.....	177
Target thrombus.....	193	current status of.....	177
transcranial doppler to.....	193	dynamic vascular assessment (DVA) by.....	187
^{99m} Tc-annexin V-based tracers.....	222	enhancement of thrombolysis by.....	187
development of.....	222	in acute cerebral ischemia.....	179
in anticancer treatment.....	222	in arteriovenous malformations.....	184
in tumor uptake evaluation.....	224	in brain death.....	184
		in cardiac surgery.....	185

in carotid endarterectomy	185	Tumor uptake evaluation.....	224
in cerebral circulatory arrest.....	183	<i>in vivo</i> imaging in	224
in cerebrovascular reactivity.....	178	^{99m} Tc-annexin V scintigraphy in.....	224
in delayed ischemic deficit	182	Ultrasonography	75
in extracranial ICA stenosis.....	178	for rhinoplasty.....	75
in extracranial VA origin.....	179	Ultrasound.....	5,6,194
in increased intracranial pressure.....	183	and thrombolysis.....	6
in intracranial hypertension	183	enhanced thrombolysis clotbust trial	195
in intracranial stenosis	177	goals for	10
in ischemic cerebrovascular disease	177	microbubble augmented ultrasonographic.....	8
in microemboli detection	181	monitoring thrombolytic therapy with.....	194
in periprocedural/perioperative monitoring.....	185	safety in.....	10
in right to left cardiac shunts	181	specific device development for	7
in sickle cell disease	181	Ultrasound bone measurements systems.....	67
in subarachnoid hemorrhage.....	182	Urinary tract multidetector CT examinations	265
in subclavian arteries stenosis.....	179	comparison of	265
in traumatic SAH	183	image analysis in.....	266
new developments in	187	image quality on low-dose.....	265
power M-mode doppler in	187	materials/methods used for	266
safety consideration for	187	statistical analysis of.....	266
Transient splenic lesions.....	314	with 120 kVp	265
possible mechanisms of	314	with 80 kVp	265
with restricted diffusion.....	314	Vascular disease	276,283
Trauma	276	proton multi-voxel metabolite imaging in	283
spectroscopic imaging in	276	spectroscopic imaging in	276
Traumatic SAH.....	183	Vascular territory	84
transcranial doppler ultrasonography in	183	probabilistic map of	84
TS 2000 TM system.....	210	Virtual colonoscopy	303
comparable technologies for.....	210	analysis of	304
measurement procedure of.....	210	economic analysis of.....	309
Tumor	212,232	image post-processing of	304
blood oxygen level dependent (BOLD) MRI		in extra-colonic findings	309
imaging technique in	232	indication of	308
geometrical data of	212	patients perspectives for.....	309
histopathology of	213	performance of.....	306
sonographic visualizability in.....	213	safety profile of.....	309
Tumor oxygenation.....	229	technique of.....	303
assessment of modulations in	229	Voxel-based morphometry.....	105
blood oxygen level dependent (BOLD) MRI		accuracy of localization in	111
imaging technique for	229	application to diseased subjects	108
Tumor hypoxia.....	30,229	application to healthy subjects.....	110
angiogenesis by.....	230	interpretation of.....	112
basal R ₂ * to evaluate.....	235	limitations of	111
causes of	229	methods of.....	105
effects on chemotherapeutic efficacy	230	normalisation/segmentation compounds in	111
effects on gene expression.....	230	of human brain	105
effects on malignant phenotype.....	230	role in pre-processing of atypical brains.....	111
gallium-68 in assessment of	30	segmentation in	106
metastasis by.....	230	sensitivity to distributed/non-linear differences ...	112
resistance to radiotherapy due to	230	spatial normalization in.....	106
technetium-99M in assessment of	30	standard/optimized pre-processing to	106
Tumor hypoxia evaluation	235	statistical analysis in	106
by blood oxygen level dependent (BOLD) MRI		validity of statistical inferences in	112
imaging technique.....	235	Wernicke's area.....	138
Tumor specific imaging	25	role of.....	138
using gallium-68	25		
using technetium-99M.....	25		