

KEY WORDS INDEX (From vol. 42 no. 1 to vol. 42 no. 12, 1990)

[A]

abnormality	
a., EEG	245
a., respiratory chain	719
abscess, thalamic	749
ACA	821
acquired immune deficiency syndrome	219
acromegaly	923
activation study	425
activity	
a., glycolytic	405
a., phospholipase	979
adenoma, pituitary	923
adoptive immunotherapy	575
adrenal medulla	843, 1173
adrenoleukodystrophy	611
age	765
aging	889, 929
alcoholism, chronic	489
ALPase	497
aluminum	325
Alzheimer's disease	345
amelanotic malignant melanoma	1031
amygdala	231
amyotrophic lateral sclerosis	527
analysis, vector	514
anastomosis, superficial temporal artery-middle cerebral artery	1093
aneurysm	
a., cerebral	361, 399, 1055
a., intracranial	583
a., ruptured	583
angiography, repeated	399
angiopathy	
a., cerebral amyloid	689
a., mitochondrial	735
antagonist, Ca	5, 17, 33, 43
anterior	
a. cerebral artery	821
a. cerebral artery occlusion	821
a. cerebral artery syndrome	821
a. choroidal artery	655
a. portion of the thalamus	65
a. temporal lobectomy	755
antibody	
a., anti-CD3	575
a., monoclonal	333, 799
anti-CD3 antibody	575

anticonvulsant	33
antidiuretic hormone	907
antiepileptic drug	835
antigen, viral	377
aorta, coarctation of	1055
apoplexy, pituitary	907
Arnold-Chiari malformation	879
arteriovenous malformation	367, 913
artery	
a., anterior cerebral	821
a., anterior choroidal	655
a., carotid	1179
a., cerebral	5
a., internal carotid	655
a., vertebral	591
aspartate	971
aspiration, stereotactic	749
ataxia	1103
atherosclerosis, experimental	325
athetosis, double	959
ATP	167
atrial natriuretic peptide	539, 683, 907
atrophy	
a., muscular	1075
a., olivo-ponto-cerebellar	1103
auditory	
a. brainstem response monitoring	991
a. hallucination	873
a. impairment	991
autonomic dysfunction	851
autoradiography	269, 450
autoregulation	591, 1185
AVM	253
avulsion injury	113

[B]

barotrauma	1097
basal	
b. encephalocele	175
b. ganglia	450
b. ganglia calcification	735
Becker muscular dystrophy (BMD)	1061
Bielschowsky bodies	959
Binswanger disease	291
birefringence	553
bleeding, venous	857
blood glucose concentration	405
bodies, Bielschowsky	959

body, pituitary	735	c. ischemia	43, 269, 383, 951, 979
bone	283, 635	c. metabolism	203
β -oxidation	611	c. palsy	759
brain		c. sinus thrombosis	781
b. capillary	813	c. vasodilator	33
b. edema	269, 383, 569, 643, 951, 999	c. vasomotor tonus	261
b. ischemia	405	c. vein thrombosis	781
b. protection	43	c. venous drainage	269
b. tumor	352, 575, 965, 1085	c. venous occlusion	1185
b. tumor model	339	c. venous thrombosis	297, 987
b. volume	889	cerebrovascular disease	95
b. water content	261, 683	ceruletide	73
b., fetal	965	cervical	
[C]		c. spondylosis	527
C ₆ glioma	339	c. syringomyelia	527
Ca antagonist	5, 17, 33, 43	chemotherapy	1085
calcification, basal ganglia	735	Chiari malformation	87
calcium	283, 325	child	161
calcium accumulation	137	choroid plexus	539, 735
candida meningitis	863	chronic	
cardiomyopathy, mitochondrial	735	c. alcoholism	489
carotid artery	1179	c. course	857
cat	339	circulation, cerebral	17
catheter	193	circulatory disturbance	239
cell		clinical aspects	719
c. adhesion	945	coarctation of aorta	1055
c., endothelial	497, 813	cold injury	261
c., glial	945	components, intracranial	643
central		conduction, volume	514
c. nervous system	283, 635, 675	congenital hydrocephalus	539
c. sulcus	253	conservative treatment	367
centroid	561	content, brain water	261, 683
cerebellar degeneration	489	convulsion, pentylenetetrazol	73
cerebellopontine angle	113	corpus callosum, hypogenesis of the	1075
cerebellum	189, 913, 1141	cortical	
cerebral		c. blood flow	203
c. air embolism	1097	c. SEP	253
c. amyloid angiopathy	689	c. somatosensory evoked potential	391
c. aneurysm	361, 399, 1055	cranial	
c. artery	5	c. nerve palsy	651
c. blood flow	153, 161, 269, 303, 383, 669, 889, 1179	c. neuropathy	851
c. blood vessel	929	craniotomy	131
c. circulation	17	CSF	1049
c. circulatory improver	33	CT (computed tomography)	
c. glucose metabolism	450		333, 399, 689, 1031, 1041, 1097
c. infarct	43	current density	514
c. infarction	547, 873	cysts, epithelial	675
		cytofluorometry	352

cytokeratins	675	DNA	352
cytokines	377	DNA, mitochondrial	707, 719
cytology	333	Doppler velocimetry	1179
cytomegalovirus	245	dorsal column nuclei	1125
cytotoxic edema	999	double athetosis	959
		drainage, cerebral venous	269
(D)		drug, antiepileptic	835
DAPI-HP staining	352	dysfunction, autonomic	851
decompression, microvascular	991	dystonia musculorum deformans	867
deep cerebral vein	239	dystrophin	1061
degeneration			
d., cerebellar	489	(E)	
d., spinocerebellar	1103	eclampsia	239
delayed neuronal death, exo-focal	137	edema	145
delayed radiation lumbo-sacral plexopathy	629	e., brain	269, 383, 569, 643, 951, 999
dementia	435, 689	e., cytotoxic	999
development, neural	799	e., vasogenic	999
diabetes mellitus	749	EEG abnormality	245
dibutyryl-cAMP	231	electrical stimulation	261
dichotic listening test	755	electromagnetic flow meter	591
diet		electromyography, evoked	621
d., mineral deficient	283	electron microscopy	533
d., unbalanced mineral	635	embolism	655
diffuse		e., cerebral air	1097
d. demyelination of the white matter	291	embolization	167
d. plaques	291	encephalitis, herpes simplex	377
dilazep	669	encephalocele, basal	175
diplegia, spastic	759	encephalomeningocele, transthemoidal	175
discharge, epileptic	755	encephalomyelitis (EAE), experimental allergic	391
disconnection syndrome	759	encephalomyo synangiosis	1093
disease		encephalomyopathy, mitochondrial	533, 735, 719
d., Alzheimer's	345	encephalopathy	219
d., Binswanger	291	endothelial cell	497, 813
d., cerebrovascular	95	epilepsy	43, 463, 835, 971
d., moyamoya	203, 1093	e. temporal lobe	463, 755
d., Parkinson's	1035, 1173	epileptic discharge	755
disequilibrium syndrome	569	epithelial cysts	675
disinhibition	137	erythritol	79
disorder		etiology, unknown	399
d., inherited	297	evoked	
d., peroxisomal	611	e. electromyography	621
dissemination, extracranial	333	e. potential	514, 1155
disturbance		exo-focal delayed neuronal death	137
d. of reading	65	experiment	193
d. of visual perception	759	experimental	
d. of writing	65	e. allergic encephalomyelitis (EAE)	391
d. circulatory	239	e. atherosclerosis	325
diurnal rhythm	121		

e. study	1185	h., hypertensive intracerebral	303
extracranial dissemination	333	h., spinal epidural	857
(F)		h., subacute subdural	131
facial nerve	113	hemifacial spasm	621, 991
factor VIII related-antigen	813	hemiplegia	95
Fc receptor	945	hemocirculation	145
fetal brain	965	hemodialysis	569
[¹⁸ F] fluorodeoxyglucose method	450	hemodynamic pathogenesis	361
FGP cell	929	hemoglobin	
fibrinolytic therapy	193	h. oxygenation	153
FK 506	391	h. tissue	153
focal ischemia	167, 643	hemorrhage	
fogging effect	547	h., intraventricular	297
fraternal twins	1093	h., recurrent intracerebral	277
free fatty acids	979	h., repeated minor	131
frontal		h., subarachnoid	399, 669, 1055
f. lobe	821	hemorrhagic infarction	189, 297, 547
f. lobe functions	765	hepatitis	245
fructose 2, 6-bisphosphate	405	herpes simplex encephalitis	377
function		hippocampus	1017
f., regional brain	425	HLA	1103
f., reversibility of electrophysiological	383	HLA type	1093
f., frontal lobe	765	homocystinuria	297
(G)		homoeotic gene	799
ganglionectomy	203	hormone	
ganglioside	1035	h., antidiuretic	907
gender	889	h., growth	923
gerbil	951	h., thyrotropin releasing	73
germanium poisoning	851	human	121
germinoma	161, 1041	h. immunodeficiency virus	219
GFAP	59	hydrocephalus	79, 683, 879, 1049, 1167
glial cell	945	h., congenital	539
glioblastoma	1067	hypertension, labile	277
glioma	59, 352	hypertensive intracerebral hematoma	303
g., C ₆	339	hypogenesis of the corpus callosum	1075
glucose metabolism	137	hypoglycemia	95
glutamate	971	hyponatremia	907
glycerol	79, 303	hypoplasia, white matter	1075
glycolytic activity	405	hypotension, orthostatic	277
growth hormone	923	(I)	
GST-π	965	ICP	561, 661
Guillain-Barré syndrome	245	immunocytochemistry	345, 377
(H)		immunohistochemistry	59, 533, 675
hallucination, auditory	873	immunotherapy, adoptive	575
head injury	561, 661	impairment, auditory	991
hematoma		implantation, tumor	339
		increased intra-cranial pressure	153

infant	183	leukemia	987
infarct, cerebral	43	leukoencephalopathy	689
infarction	655	limbic seizure	231
i., cerebral	547, 873	lobectomy, anterior temporal	755
i., hemorrhagic	189, 297, 547	lobotomy	1067
i., venous hemorrhagic	781	localized cerebral ischemia	481
infection, shunt	863	lower extremities' sensorimotor losses	629
inherited disorder	297	LTD	1017
injury		LTP	1017
i., avulsion	113	lymphocyte subset	391
i., head	561, 661	lymphoma, intracranial malignant	333
i., nerve	113		
internal		(M)	
i. capsule	873	magnesium	283, 635
i. carotid artery	655	malformation	
intracranial		m., Arnold-Chiari	879
i. aneurysm	583	m., arteriovenous	367, 913
i. components	643	m., Chiari	87
i. malignant lymphoma	333	m., medullary venous	361
i. pressure	79, 303, 569, 643, 683	malfunction, shunt	1049
i. tumor	121	malignant lymphoma	1041
intraoperative		mannitol	79, 661
i. monitoring	203	maternal inheritance	707
i. recording	621	mechanism	
intraventricular hemorrhage	297	m., myogenic	1185
irradiation	1041	m., neurogenic	1185
ischemia		medial lemniscus	1125
i., brain	405	medulla, adrenal	843, 1173
i., cerebral	43, 269, 383, 951, 979	medullary	
i., focal	167, 643	m. reticular formation	261
i., localized cerebral	481	m. venous malformation (MVM)	361
i., transient focal	137	medulloblastoma	1041
ischemic threshold	481	MELAD	533
isolated fourth ventricle	1167	melanoma, amelanotic malignant	1031
		MELAS	707
(K)		memory	1017
Keans-Sayre syndrome	707	meningioma	145, 497
kindling	971	meningitis	651
		m., candida	863
(L)		MERRF	707
labile hypertension	277	metabolism	145
LAK cells	575	m., cerebral	203
laser Raman spectroscopy	999	m., cerebral glucose	450
late effect	161	m., glucose	137
lateral		metastasis	1031
l. cervical nucleus	1125	Mg ²⁺ -ATPase	497
l. pallidum	959	miconazole	863
lesion effect	755	microvascular decompression	991

middle latency auditory evoked potentials	481	neurogenic mechanism	1185
mineral deficient diet	283	neuroimaging	425, 435
mini-mental state examination	765	neuropathology	533
mitochondrial		neuropathy	219
m. angiopathy	735	n., cranial	851
m. cardiomyopathy	735	n., preripheral	489, 851
m. DNA	707, 719	neurotensin receptor	73
m. encephalomyopathies	533, 719, 735	nucleus	
mixed signal intensity	131	n. basalis of Meynert	345
MLF	475	n., lateral cervical	1125
monitoring		(O)	
m., auditory brainstem response	991	occlusion	
m., intraoperative	203	o., anterior cerebral artery	821
monoclonal antibody	333, 799	o., cerebral venous	1185
monotherapy	835	olivo-ponto-cerebellar atrophy	1103
morphometry	345	one and a half syndrome	475
mossy fibre	1141	optic neuritis	1191
movement disorders	867	organic psychosis	1061
moyamoya disease	203, 1093	orthostatic hypotension	277
MPTP	1035	(P)	
MRI (magnetic resonance imaging)	65,	palsy	
87, 131, 183, 475, 547, 583, 689, 857, 1031, 1097, 1191		p., cerebral	759
multiple sclerosis	1191	p., cranial nerve	651
muscular atrophy	1075	p., progressive supranuclear	553
mycosis	863	paraplegia, spastic	489, 1075
myelination	183	Parkinson's disease	1035, 1173
myelomeningocele	879	parkinsonism	843, 1075
myelopathy	219, 489	parkinsonism, postencephalitic	553
myogenic mechanism	1185	pathogenesis, hemodynamic	361
myopathy	219, 851, 923	PCR	707
(N)		pentylentetrazol convulsion	73
N-CAM	945	peptide, atrial natriuretic	539, 683, 907
nasal gaze	749	peripheral neuropathy	489, 851
nerve		peroxisomal disorders	611
n. injury	113	PET (positron emission tomography)	
n., facial	113		65, 145, 425, 435, 450, 873, 1085, 1179
n., sympathetic	591	phospholipase activity	979
n., vestibular	113	phosphorus	325
nervous system	33	pituitary	
neural		p. adenoma	923
n. development	799	p. apoplexy	907
n. induction	799	p. body	735
n. transplantation	843, 1173	plaques, diffuse	291
neuralgia, trigeminal	991	plasma melatonin	121
neuritis, optic	1191	plexopathy, delayed radiation lumbo-sacral	629
neuroexcitotoxic action	231	pneumonitis	245
neurofibrillary tangle	553		

poisoning, germanium	851	(S)	
polyglucosan	959	SAH	583
polyuria	907	SCA 1	1103
pons	475	schizophrenia	1067
positron CT	463	schizophrenic symptoms	1061
postencephalitic parkinsonism	553	sclerosis	
potential		s., amyotrophic lateral	527
p., cortical somatosensory evoked	391	s., multiple	1191
p., evoked	514, 1155	scuba diving	1097
p., middle latency auditory evoked	481	seizure type	835
p., short latency somatosensory evoked	383	sensory transmission	1155
PPRF	475	SEP, cortical	253
pressure		short	
p. volume index	561, 661	s. inversion time inversion recovery (STIR)	1191
p., increased intracranial	153	s. latency somatosensory evoked potential	383
p., intracranial	79, 303, 569, 643, 683	shunt	
p., pulse	643	s. independency	879
prognosis	367	s. infection	863
progressive supranuclear palsy	553	s. malfunction	1049
prolactinoma	773	s., V-P	1049, 1167
prostacyclin	813	side effect of radiation therapy	629
PSS	189	single photon emission CT (SPECT)	425
psychosis, organic	1061	slit ventricle syndrome	1167
pulse pressure	643	somatosensory pathways	1125
(R)		somatostatin receptor	73
radiation	161, 1085	spasm, hemifacial	621, 991
radiosensitivity	813	spastic	
rat	167	s. diplegia	759
rCBF	463, 951	s. paraplegia	489, 1075
reccurent intracerebral hemorrhage	277	SPECT	463
receptor	539	spinal	
r., Fc	945	s. cord	1141, 1155
r., neurotension	73	s. epidural hematoma	857
r., somatostatin	73	spinocerebellar	
recording, intraoperative	621	s. degeneration	1103
recurrence	773	s. tracts	1141
regional		spinocervicothalamic tract	1125
r. brain function	425	spinothalamic tract	1125
r. difference	979	spondylosis, cervical	527
repeated		staining, DAPI-HP	352
r. angiography	399	stereotactic aspiration	749
r. minor hemorrhage	131	stimulation, electrical	261
respiratory chain abnormality	719	subacute subdural hematoma	131
reversibility of electrophysiological function	383	subarachnoid hemorrhage	399, 669, 1055
Rosenthal fiber	59	superficial temporal artery-middle cerebral	
rotation rat	843	artery anastomosis	1093
ruptured aneurysm	583	surgery	367
		s., transsphenoidal	773

sympathetic nerve	591	transmission, sensory	1155
syndrome		transplantation, neural	843, 1173
s., acquired immune deficiency	219	transsphenoidal surgery	773
s., anterior cerebral artery	821	treatment, conservative	367
s., disconnection	759	trigeminal neuralgia	991
s., disequilibrium	569	tumor	
s., Guillain-Barré	245	t., brain	352, 575, 965, 1085
s., one and a half	475	t. implantation	339
s., slit ventricle	1167	t., intracranial	121
s., Zellweger	611		
syphilis	651	{U}	
syringomyelia, cervical	527	ubiquitin	59, 553
syringomyelia	87	unbalanced mineral diets	635
system		unknown etiology	399
s., central nervous	283, 635, 675	urokinase	193
s., nervous	33		
		{V}	
{T}		V-P shunt	1049, 1167
t-SPM- (t-statistic significance probability		vascular architecture	929
mapping)	835	vasoconstriction	5
tau	553	vasogenic edema	999
temporal lobe epilepsy	463, 755	vasospasm	669
test		vector analysis	514
t., dichotic listening	755	vein, deep cerebral	239
t., Wisconsin Card Sorting	765	venous	
thalamic abscess	749	v. bleeding	857
thalamus, anterior portion of the	65	v. hemorrhagic infarction	781
therapy		ventricle, isolated fourth	1167
t., fibrinolytic	193	vertebral artery	591
t., side effect of radiation	629	vertebrobasilar insufficiency	591
threshold, ischemic	481	vessel	
thrombosis		v. behavior	1185
t., cerebral sinus	781	v., cerebral blood	929
t., cerebral vein	781	vestibular nerve	113
t., cerebral venous	297, 987	viral antigen	377
thyrotropin releasing hormone	73	virus, human immunodeficiency	219
tissue		volume	
t. affinity	987	v. conduction	514
t. hemoglobin	153	v., brain	889
t. pH	167		
t. plasminogen activator	193	{W, X, Z}	
torticollis	867	Wechsler adult intelligence scale	765
tract		white matter hypoplasia	1075
t., spinocervicothalamic	1125	Wisconsin Card Sorting Test	765
t., spinothalamic	1125		
t., spinocerebellar	1141	Xe-133 inhalation SPECT	889
transthemoidal encephalomeningocele	175	Zellweger syndrome	611
transient focal ischemia	137	zinc	635