
Neurologian yksikkö

Department of Neurology

Julkaisut 1993-1993

Publications 1993-1993

Lisätietoja julkaisusta saa klikkaamalla sen numeroa.
For full details, please click the number in front of the publication.

- [1](#) Soininen H, Partanen J, Jousmäki V, Helkala EL, Vanhanen M, Majuri S, Kaski M, Hartikainen P, Riekkinen P Sr. Age-related cognitive decline and electroencephalogram slowing in Down's syndrome as a model of Alzheimer's disease. *Neuroscience* 1993;**53**:57-63.
- [2](#) Haapalinna A, Sirviö J, Heinonen E, Riekkinen P Jr, Riekkinen P Sr. Alfa-2-antagonistin vaikutus oppimis- ja muistitoimintoihin koe-eläimillä. *Lääkeuutiset* 1993;**2**:14-19.
- [3](#) Riekkinen P Jr, Sirviö J, Toivanen L, Riekkinen M, Lammintausta R, Riekkinen P Sr. Alpha-1-adrenoceptor antagonist decreases alpha-2-adrenoceptor antagonist-induced high voltage spindle suppression in adult and aged rats. *Eur J Pharmacol* 1993;**235**:317-320.
- [4](#) Kälviäinen R, Halonen T, Pitkänen A, Riekkinen PJ. Amino acid levels in the cerebrospinal fluid of newly diagnosed epileptic patients: effect of vigabatrin and carbamazepine monotherapies. *J Neurochem* 1993;**60**:1244-1250.
- [5](#) Sivenius J, Riekkinen PJ, Lowenthal A, Smets P, Laakso M. Antiplatelet therapy is effective in primary prevention of myocardial infarction in patients with a previous cerebrovascular ischemic event. *Arch Neurol* 1993;**50**:710-713.
- [6](#) Jäkälä P, Mazurkiewicz M, Sirviö J, Riekkinen P Sr, Riekkinen P Jr. The behavioral effects of serotonin synthesis inhibition and quisqualic acid induced lesions of the nucleus basalis magnocellularis in rats. *Gen Pharmacol* 1993;**24**:1141-1148.
- [7](#) Lahtinen H, Miettinen R, Ylinen A, Halonen T, Riekkinen PJ Sr. Biochemical and morphological changes in the rat hippocampus following transection of the fimbria-fornix. *Brain Res Bull* 1993;**31**:311-318.
- [8](#) Heinonen O, Syrjänen S, Soininen H, Talasniemi S, Kaski M, Mäntyjärvi R, Syrjänen K, Riekkinen Sr P. Circulating immune complexes in sera from patients with Alzheimer's disease, multi-infarct dementia and Down's syndrome. *Neurosci Lett* 1993;**149**:67-70.
- [9](#) Soininen H, Heinonen O, Hallikainen M, Hänninen T, Koivisto K, Syrjänen S, Talasniemi S, Riekkinen PJ Sr. Circulating immune complexes in sera from patients with Alzheimer's disease, subjects with age-associated memory impairment. *J Neural Transm Park Dis Dement Sect* 1993;**6**:179-188.
- [10](#) Hartikainen P, Helkala EL, Soininen H, Riekkinen P Sr. Cognitive and memory deficits in untreated Parkinson's disease and amyotrophic lateral sclerosis patients: a comparative study. *J Neural Transm Park Dis Dement Sect* 1993;**6**:127-137.
- [11](#) Jolkkonen J, Lepola U, Bissette G, Nemeroff C, Riekkinen P. CSF corticotrophin-releasing factor is not affected in panic disorder. *Biol Psychiatry* 1993;**33**:136-138.

- [12](#) Alhainen K, Riekkinen PJ. Discrimination of Alzheimer patients responding to cholinesterase inhibitor therapy. *Acta Neurol Scand* 1993;**S149**:16-21.
- [13](#) Pitkänen A, Amaral DG. Distribution of Cabindin-D28k immunoreactivity in the monkey temporal lobe: the amygdaloid complex. *J Comp Neurol* 1993;**331**:199-224.
- [14](#) Pitkänen A, Amaral DG. Distribution of parvalbumin-immunore-active cells and fibers in the monkey temporal lobe: the amygdaloid complex. *J Comp Neurol* 1993;**331**:14-16.
- [15](#) Pitkänen A, Amaral DG. Distribution of parvalbumin-immunore-active cells and fibers in the monkey temporal lobe: the hippocampal formation. *J Comp Neurol* 1993;**331**:37-74.
- [16](#) Sirviö J, Jäkälä P, Mazurkiewicz M, Haapalinna A, Riekkinen P Jr, Riekkinen P Sr. Dose- and parameter-dependent effects of atipamezole, an alpha-2-antagonist, on the performance of rats in a five-choice serial reaction time task. *Pharmacol Biochem Behav* 1993;**45**:123-129.
- [17](#) Riekkinen P Jr, Lammintausta R, Ekonsalo T, Sirviö J. The effects of alpha-2-adrenoceptor stimulation on neocortical EEG activity in control and 6-hydroxydopamine dorsal noradrenergic bundle-lesioned rats. *Eur J Pharmacol* 1993;**238**:263-272.
- [18](#) Mazurkiewicz M, Sirviö J, Riekkinen PJ. Effects of an inhibitor of GABA-aminotransferase (gamma-vinyl GABA) on the spatial navigation deficit induced by nicotinic blockade. *Gen Pharmacol* 1993;**24**:153-157.
- [19](#) Riekkinen P Jr, Riekkinen M, Fisher A, Ekonsalo T, Sirviö J. Effects of muscarinic receptor agonists and anticholinesterase drugs on high voltage spindles and slow waves. *Eur J Pharmacol* 1993;**240**:1-7.
- [20](#) Riekkinen P Jr, Riekkinen M, Sirviö J. Effects of nicotine on neocortical EEG activity in rats. *J Pharmacol Exp Ther* 1993;**267**:776-784.
- [21](#) Jäkälä P, Sirviö J, Riekkinen P Jr, Riekkinen P Sr. Effects of p-chlorophenylalanine and methysergide on the performance of a working memory task. *Pharmacol Biochem Behav* 1993;**44**:411-418.
- [22](#) Mazurkiewicz M, Sirviö J, Riekkinen P Sr. Effects of single and repeated administration of vigabatrin on the performance of non-epileptic rats in a delayed non-matching to position task. *Epilepsy Res* 1993;**15**:221-227.
- [23](#) Jäkälä P, Sirviö J, Riekkinen PJ. The effects of tacrine and zacopride on the performance of adult rats in the working memory task. *Gen Pharmacol* 1993;**24**:675-679.
- [24](#) Riekkinen P Jr, Riekkinen M, Sirviö J, Riekkinen P. Effects of ZK 93426 on muscarinic and nicotinic antagonist or nucleus basalis lesioning-unduced electrocortical slowing. *Psychopharmacology* 1993;**111**:195-201.
- [25](#) Mervaala E, Alhainen K, Helkala EL, Partanen J, Jousmäki V, Väyrynen M, Heinonen E, Riekkinen P. Electrophysiological and neuropsychological effects of a central alpha2-antagonist atipamezole in healthy volunteers. *Behav Brain Res* 1993;**55**:85-91.
- [26](#) Halonen T, Sivenius J, Miettinen R, Halmekytö M, Kauppinen R, Sinervirta R, Alakuija L, Alhonen L, MacDonald E, Jänne J, Riekkinen PJ Sr. Elevated seizure threshold and impaired spatial learning in transgenic mice with putrescine overproduction in the brain. *Eur J Neurosci* 1993;**5**:1233-1239.
- [27](#) Brankack J, Lahtinen H, Koivisto E, Riekkinen PJ. Epileptogenic spikes and seizures but not high voltage spindles are induced by local frontal cortical application of gamma-hydroxybutyrate. *Epilepsy Res* 1993;**15**:91-99.

- [28](#) Sivenius J, Riekkinen PJ, Laakso M, Smets P, Lowenthal A. European Stroke Prevention Study (ESPS): Antithrombotic therapy is also effective in the elderly. *Acta Neurol Scand* 1993;**87**:111-114.
- [29](#) Sarti C, Kaarsalo E, Narva V, Salmi K, Sivenius J, Tarppa J, Tuomilehto J. Geographic variation in the incidence of non-fatal stroke in Finland. Are the observed differences real? *Stroke* 1993;**24**:787-791.
- [30](#) Lahtinen H. *Hippocampus in experimental models of temporal lobe epilepsy - amino acid-mediated neurotransmission and nerve cell injury following the transection of fimbria-fornix and the electrical stimulation of perforant pathway in rat*. University of Kuopio. Series of Reports. Department of Neurology 29. 1993. 89 s., liitt.
- [31](#) Laulumaa V, Kuikka JT, Soinen H, Länsimies E, Riekkinen P. Imaging of D2 dopamine receptors of patients with Parkinson's disease using single photon emission computed tomography and iodobenzamide I-123. *Arch Neurol* 1993;**50**:509-512.
- [32](#) Castrén E, Pitkänen M, Sirviö J, Parsadanian A, Lindholm D, Thoenen H, Riekkinen PJ. The induction of LTP increases BDNF and NGF mRNA but decreases NT-3 mRNA in the dentate gyrus. *Neuroreport* 1993;**4**:895-898.
- [33](#) Miettinen R. *Inhibitory circuits and subcortical innervation of the rat hippocampus: implications for normal function and pathophysiological processes*. University of Kuopio. Series of Reports. Department of Neurology 28. 1993. 91 s., liitt.
- [34](#) Kuikka JT, Bergström K, Vanninen E, Laulumaa V, Hartikainen P, Länsimies E. Initial experience with SPET examinations using iodine 123-labelled 2B-carbomethoxy-3B-(4-iodophenyl)tropane in human brain. *Eur J Nucl Med* 1993;**20**:783-786.
- [35](#) Yavich L, Sirviö J, Heinonen E, Riekkinen P Sr. The interaction of L-deprenyl and scopolamine on spatial learning/memory in rats. *J Neural Transm Park Dis Dement Sect* 1993;**6**:189-197.
- [36](#) Lahtinen H, Korhonen E, Castrén E, Miettinen R, Ylinen A, Riekkinen PJ Sr. Long-term alterations in NMDA-sensitive L-(3H) glutamate binding in the rat hippocampus following fimbria-fornix lesioning. *Exp Neurol* 1993;**121**:193-199.
- [37](#) Pitkänen A, Ylinen A, Matilainen R, Luukkainen R, Mervaala E, Seppänen R, Ruutiainen T, Riekkinen PJ. Long-term antiepileptic efficacy of Vigabatrin in drug-refractory epilepsy of mentally retarded epileptic patients: A 5-year follow-up. *Arch Neurol* 1993;**50**:24-29.
- [38](#) Pekkonen E, Jousmäki V, Partanen J, Karhu J. Mismatch negativity area and age-related auditory memory. *Electroencephalogr Clin Neurophysiol* 1993;**87**:321-325.
- [39](#) Miettinen R, Sirviö J, Riekkinen P Sr, Laakso MP, Riekkinen M, Riekkinen P Jr. Neocortical, hippocampal and septal parvalbumin- and somatostatin-containing neurons in young and aged rats: correlation with passive avoidance and water maze performance. *Neuroscience* 1993;**53**:367-378.
- [40](#) Helkala EL, Riekkinen P. Neuropsykologiset teorit otsalohkojen toiminnasta. *Duodecim* 1993;109:1988-1993
- [41](#) Lahtinen H, Castrén E, Miettinen R, Ylinen A, Paljärvi L, Riekkinen PJ Sr. NMDA-sensitive (3H) glutamate binding in the epileptic rat hippocampus: an autoradiographic study. *Neuroreport* 1993;**4**:45-48.
- [42](#) Miettinen R, Lahtinen H, Riekkinen PJ, Freund TF, Hsu M, Horváth Z, Buzsáki G. Persisting axonal degeneration in the hippocampus after transection of the fimbria-fornix. *Restor Neurol Neurosci* 1993;**5**:215-223.

- [43](#) Riekkinen M, Sirviö J, Riekkinen P Jr. Pharmacological consequences of nicotinic plus serotonergic manipulations. *Brain Res* 1993;**622**:139-146.
- [44](#) Kälviäinen R, Keränen T, Riekkinen PJ Sr. Place of newer antiepileptic drugs in the treatment of epilepsy. *Drugs* 1993;**46**:1009-1024.
- [45](#) Koivisto K, Viinamäki H, Riekkinen P. Poststroke depression and rehabilitation outcome. *Nord J Psychiatry* 1993;**47**:245-249.
- [46](#) Lahtinen H, Ylinen A, Hyvönen M, Sirviö J, Miettinen R, Riekkinen PJ Sr. Preservation of hippocampal NMDA receptors may be crucial for spatial learning after epileptic seizures in rats. *Brain Res* 1993;**625**:93-99.
- [47](#) Koponen HJ, Riekkinen PJ. A prospective study of delirium in elderly patients admitted to a psychiatric hospital. *Psychol Med* 1993;**23**:103-109.
- [48](#) Alhainen K, Helkala EL, Riekkinen P. Psychometric discrimination of tetrahydroaminoacridine responders in Alzheimer patients. *Dementia* 1993;**4**:54-58.
- [49](#) Alhainen K, Helkala EL, Reinikainen K, Riekkinen P Sr. The relationship of cerebrospinal fluid monoamine metabolites with clinical response to tetrahydroaminocridine in patients with Alzheimer's disease. *J Neural Transm Park Dis Dement Sect* 1993;**5**:185-192.
- [50](#) Magloczky ZS, Freund TF. Selective neuronal death in the contralateral hippocampus following unilateral kainate injections into the CA3 subfield. *Neuroscience* 1993;**56**:317-336.
- [51](#) Sarti C, Tuomilehto J, Sivenius J, Kaarsalo E, Narva E, Salmi K, Salomaa V, Torppa J. Stroke mortality and case-fatality rates in three geographic areas of Finland from 1983 to 1986. *Stroke* 1993;**24**:1140-1147.
- [52](#) Soininen H, Riekkinen P. Tarkkaavaisuuden säätely. *Duodecim* 1993;**109**:2001-2006.
- [53](#) Reeben M, Halmekytö M, Alhonen L, Sinervirta R, Saarma M, Jänne J. Tissue-specific expression of rat light neurofilament promoter-driven reporter gene in transgenic mice. *Biochem Biophys Res Commun* 1993;**192**:465-470.
- [54](#) Cochius Ji, Figlewicz DA, Kälviäinen R, Nousiainen U, Farrell K, Patry G, Söderfeldt B, Frydman M, Lerman P, Andermann F, Andermann E, Rouleau GA. Unverssicht-Lundborg disease: absence of nonallelic genetic heterogeneity. *Ann Neurol* 1993;**34**:739-741.
- [55](#) Sivenius J, Paljärvi L, Vapalahti M, Nousiainen U, Riekkinen PJ. Vigabatrin (gamma-vinyl-GABA): Neuropathologic evaluation in five patients. *Epilepsia (NY)* 1993;**34**:193-196.
- [56](#) Soininen H, Reinikainen KJ, Puranen M, Helkala EL, Paljärvi L, Riekkinen PJ. Wide third ventricle correlates with low choline acetyltransferase activity of the neocortex in Alzheimer patients. *Alzheimer Dis Assoc Disord* 1993;**7**:39-47.

[Neurologian yksikkö](#)

[Julkaisutietokanta](#) 24.1.2013

[Department of Neurology](#)

[Publications Data Base](#) 24.1.2013