

6. Zitierte Literatur

Aicardi J. und Chevrie J.J. Convulsive status epilepticus in infants and children. A study of 239 cases. *Epilepsia* (1970) 11: 187-197.

Alldredge B.K., Gelb A.M., Isaacs S.M., Corry M.D., Allen F., Ulrich S., Gottwald M.D., O'Neil N., Neuhaus J.M., Segal M.R., Lowenstein D.H. A comparison of lorazepam, diazepam, and placebo for the treatment of out-of-hospital status epilepticus. *N Engl J Med* (2001) 345: 631-637.

America's Working Group on Status Epilepticus Treatment of convulsive status epilepticus. Recommendations of the Epilepsy Foundation of America's Working Group on Status Epilepticus. *JAMA* (1993) 270: 854-859.

Aminoff M.J. und Simon R.P. Status epilepticus. Causes, clinical features and consequences in 98 patients. *Am J Med* (1980) 69: 657-666.

Behr J., Gloveli T., Gutierrez R., Heinemann U. Spread of low Mg²⁺ induced epileptiform activity from the rat entorhinal cortex to the hippocampus after kindling studied in vitro. *Neurosci Lett* (1996) 216: 41-44.

Ben Ari Y. und Cossart R. Kainate, a double agent that generates seizures: two decades of progress. *Trends Neurosci* (2000) 23: 580-587.

Bleck T.P. Refractory status epilepticus in 2001. *Arch Neurol* (2002) 59: 188-189.

Borris D.J., Bertram E.H., Kapur J. Ketamine controls prolonged status epilepticus. *Epilepsy Res* (2000) 42: 117-122.

Brooks-Kayal A.R., Shumate M.D., Jin H., Rikhter T.Y., Coulter D.A. Selective changes in single cell GABA(A) receptor subunit expression and function in temporal lobe epilepsy. *Nat Med* (1998) 4: 1166-1172.

Butcher S.P., Jacobson I., Hamberger A. On the epileptogenic effects of kainic acid and dihydrokainic acid in the dentate gyrus of the rat. *Neuropharmacology* (1988) 27: 375-381.

Cascino G.D. Generalized convulsive status epilepticus. *Mayo Clin Proc* (1996) 71: 787-792.

Cascino G.D., Hesdorffer D., Logroscino G., Hauser W.A. Morbidity of nonfebrile status epilepticus in Rochester, Minnesota, 1965-1984. *Epilepsia* (1998) 39: 829-832.

Cavalheiro E.A., Leite J.P., Bortolotto Z.A., Turski W.A., Ikonomidou C., Turski L. Long-term effects of pilocarpine in rats: structural damage of the brain triggers kindling and spontaneous recurrent seizures. *Epilepsia* (1991) 32: 778-782.

Cavalheiro E.A., Riche D.A., Le Gal L.S. Long-term effects of intrahippocampal kainic acid injection in rats: a method for inducing spontaneous recurrent seizures. *Electroencephalogr Clin Neurophysiol* (1982) 53: 581-589.

Chee M.W. und Lo N.K. Asymmetric hippocampal atrophy and extra-hippocampal epilepsy following refractory status epilepticus in an adult. *J Neurol Sci* (1997) 147: 203-204.

Claassen J., Hirsch L.J., Emerson R.G., Mayer S.A. Treatment of refractory status epilepticus with pentobarbital, propofol, or midazolam: a systematic review. *Epilepsia* (2002a) 43: 146-153.

Claassen J., Lokin J.K., Fitzsimmons B.F., Mendelsohn F.A., Mayer S.A. Predictors of functional disability and mortality after status epilepticus. *Neurology* (2002b) 58: 139-142.

Coeytaux A., Jallon P., Galobardes B., Morabia A. Incidence of status epilepticus in French-speaking Switzerland: (EPISTAR). *Neurology* (2000) 55: 693-697.

Cohen A.S., Lin D.D., Quirk G.L., Coulter D.A. Dentate granule cell GABA(A) receptors in epileptic hippocampus: enhanced synaptic efficacy and altered pharmacology. *Eur J Neurosci* (2003) 17: 1607-1616.

Cole A.J., Koh S., Zheng Y. Are seizures harmful: what can we learn from animal models? *Prog Brain Res* (2002) 135: 13-23.

Collins R.C. und Caston T.V. Functional anatomy of occipital lobe seizures: an experimental study in rats. *Neurology* (1979) 29: 705-716.

Commission on Classification and Terminology of the International League Against Epilepsy Proposal for revised clinical and electroencephalographic classification of epileptic seizures. *Epilepsia* (1981) 22: 489-501.

Covolan L. und Mello L.E. Temporal profile of neuronal injury following pilocarpine or kainic acid-induced status epilepticus. *Epilepsy Res* (2000) 39: 133-152.

Davenport C.J., Brown W.J., Babb T.L. Sprouting of GABAergic and mossy fiber axons in dentate gyrus following intrahippocampal kainate in the rat. *Exp Neurol* (1990) 109: 180-190.

DeLorenzo R.J., Pellock J.M., Towne A.R., Boggs J.G. Epidemiology of status epilepticus. *J Clin Neurophysiol* (1995) 12: 316-325.

Dudek F.E., Hellier J.L., Williams P.A., Ferraro D.J., Staley K.J. The course of cellular alterations associated with the development of spontaneous seizures after status epilepticus. *Prog Brain Res* (2002) 135: 53-65.

Esclapez M. und Houser C.R. Up-regulation of GAD65 and GAD67 in remaining hippocampal GABA neurons in a model of temporal lobe epilepsy. *J Comp Neurol* (1999) 412: 488-505.

Ferkany J.W., Zaczek R., Coyle J.T. The mechanism of kainic acid neurotoxicity.
Nature (1984) 308: 561-562.

Fritschy J.M., Kiener T., Bouilleret V., Loup F. GABAergic neurons and GABA(A)-receptors in temporal lobe epilepsy. *Neurochem Int* (1999) 34: 435-445.

Gorter J.A., van Vliet E.A., Aronica E., Lopes da Silva F.H. Progression of spontaneous seizures after status epilepticus is associated with mossy fibre sprouting and extensive bilateral loss of hilar parvalbumin and somatostatin-immunoreactive neurons. *Eur J Neurosci* (2001) 13: 657-669.

Gorter J.A., van Vliet E.A., Aronica E., Lopes da Silva F.H. Long-lasting increased excitability differs in dentate gyrus vs. CA1 in freely moving chronic epileptic rats after electrically induced status epilepticus. *Hippocampus* (2002) 12: 311-324.

Gutschmidt K.U., Stenkamp K., Buchheim K., Heinemann U., Meierkord H. Anticonvulsant actions of furosemide in vitro. *Neuroscience* (1999) 91: 1471-1481.

Hanley D.F. und Kross J.F. Use of midazolam in the treatment of refractory status epilepticus. *Clin Ther* (1998) 20: 1093-1105.

Hauser W.A., Annegers J.F., Kurland L.T. Incidence of epilepsy and unprovoked seizures in Rochester, Minnesota: 1935-1984. *Epilepsia* (1993) 34: 453-468.

Heinemann U., Beck H., Dreier J.P., Ficker E., Stabel J., Zhang C.L. The dentate gyrus as a regulated gate for the propagation of epileptiform activity. *Epilepsy Res Suppl* (1992) 7: 273-280.

Hellier J.L., Patrylo P.R., Buckmaster P.S., Dudek F.E. Recurrent spontaneous motor seizures after repeated low-dose systemic treatment with kainate: assessment of a rat model of temporal lobe epilepsy. *Epilepsy Res* (1998) 31: 73-84.

Herman S.T. Epilepsy after brain insult: targeting epileptogenesis. *Neurology* (2002) 59: S21-S26.

Hesdorffer D.C., Logroscino G., Cascino G., Annegers J.F., Hauser W.A. Incidence of status epilepticus in Rochester, Minnesota, 1965-1984. *Neurology* (1998a) 50: 735-741.

Hesdorffer D.C., Logroscino G., Cascino G., Annegers J.F., Hauser W.A. Risk of unprovoked seizure after acute symptomatic seizure: effect of status epilepticus. *Ann Neurol* (1998b) 44: 908-912.

Hesdorffer D.C., Stables J.P., Hauser W.A., Annegers J.F., Cascino G. Are certain diuretics also anticonvulsants? *Ann Neurol* (2001) 50: 458-462.

Hochman D.W., Baraban S.C., Owens J.W., Schwartzkroin P.A. Dissociation of synchronization and excitability in furosemide blockade of epileptiform activity. *Science* (1995) 270: 99-102.

Holtkamp M., Tong X., Walker M.C. Propofol in subanesthetic doses terminates status epilepticus in a rodent model. *Ann Neurol* (2001) 49: 260-263.

Kaplan P.W. Assessing the outcomes in patients with nonconvulsive status epilepticus: nonconvulsive status epilepticus is underdiagnosed, potentially overtreated, and confounded by comorbidity. *J Clin Neurophysiol* (1999) 16: 341-352.

Kapur J. und Macdonald R.L. Rapid seizure-induced reduction of benzodiazepine and Zn²⁺ sensitivity of hippocampal dentate granule cell GABA_A receptors. *J Neurosci* (1997) 17: 7532-7540.

Kennedy P.G. Viral encephalitis: causes, differential diagnosis, and management. *J Neurol Neurosurg Psychiatry* (2004) 75 Suppl 1: i10-i15.

Klitgaard H., Matagne A., Vanneste-Goemaere J., Margineanu D.G. Pilocarpine-induced epileptogenesis in the rat: impact of initial duration of status epilepticus on electrophysiological and neuropathological alterations. *Epilepsy Res* (2002) 51: 93-107.

Knake S., Rosenow F., Vescovi M., Oertel W.H., Mueller H.H., Wirbatz A., Katsarou N., Hamer H.M. Incidence of status epilepticus in adults in Germany: a prospective, population-based study. *Epilepsia* (2001) 42: 714-718.

Kobayashi M. und Buckmaster P.S. Reduced inhibition of dentate granule cells in a model of temporal lobe epilepsy. *J Neurosci* (2003) 23: 2440-2452.

Krumholz A., Sung G.Y., Fisher R.S., Barry E., Bergey G.K., Grattan L.M. Complex partial status epilepticus accompanied by serious morbidity and mortality. *Neurology* (1995) 45: 1499-1504.

Kuisma M. und Roine R.O. Propofol in prehospital treatment of convulsive status epilepticus. *Epilepsia* (1995) 36: 1241-1243.

Leroy C., Poisbeau P., Keller A.F., Nehlig A. Pharmacological plasticity of GABA(A) receptors at dentate gyrus synapses in a rat model of temporal lobe epilepsy. *J Physiol* (2004) 557: 473-487.

Logroscino G., Hesdorffer D.C., Cascino G., Annegers J.F., Hauser W.A. Short-term mortality after a first episode of status epilepticus. *Epilepsia* (1997) 38: 1344-1349.

Logroscino G., Hesdorffer D.C., Cascino G.D., Annegers J.F., Bagiella E., Hauser W.A. Long-term mortality after a first episode of status epilepticus. *Neurology* (2002) 58: 537-541.

Loscher W. Animal models of epilepsy for the development of antiepileptogenic and disease-modifying drugs. A comparison of the pharmacology of kindling and

post-status epilepticus models of temporal lobe epilepsy. *Epilepsy Res* (2002) 50: 105-123.

Lothman E.W., Bertram E.H., Kapur J., Stringer J.L. Recurrent spontaneous hippocampal seizures in the rat as a chronic sequela to limbic status epilepticus. *Epilepsy Res* (1990) 6: 110-118.

Lothman E.W., Stringer J.L., Bertram E.H. The dentate gyrus as a control point for seizures in the hippocampus and beyond. *Epilepsy Res Suppl* (1992) 7: 301-313.

Lowenstein D.H. Status epilepticus: an overview of the clinical problem. *Epilepsia* (1999) 40 Suppl 1: S3-S8.

Lowenstein D.H. und Alldredge B.K. Status epilepticus at an urban public hospital in the 1980s. *Neurology* (1993) 43: 483-488.

Lowenstein D.H. und Alldredge B.K. Status epilepticus. *N Engl J Med* (1998) 338: 970-976.

Lowenstein D.H., Bleck T., Macdonald R.L. It's time to revise the definition of status epilepticus. *Epilepsia* (1999) 40: 120-122.

Manno E.M. New management strategies in the treatment of status epilepticus. *Mayo Clin Proc* (2003) 78: 508-518.

Mathern G.W., Bertram E.H., III, Babb T.L., Pretorius J.K., Kuhlman P.A., Spradlin S., Mendoza D. In contrast to kindled seizures, the frequency of spontaneous epilepsy in the limbic status model correlates with greater aberrant fascia dentata excitatory and inhibitory axon sprouting, and increased staining for N-methyl-D-aspartate, AMPA and GABA(A) receptors. *Neuroscience* (1997) 77: 1003-1019.

- Mayer S.A., Claassen J., Lokin J., Mendelsohn F., Dennis L.J., Fitzsimmons B.F. Refractory status epilepticus: frequency, risk factors, and impact on outcome. *Arch Neurol* (2002) 59: 205-210.
- Mazarati A.M., Wasterlain C.G., Sankar R., Shin D. Self-sustaining status epilepticus after brief electrical stimulation of the perforant path. *Brain Res* (1998) 801: 251-253.
- Meierkord H., Grunig F., Gutschmidt U., Gutierrez R., Pfeiffer M., Draguhn A., Bruckner C., Heinemann U. Sodium bromide: effects on different patterns of epileptiform activity, extracellular pH changes and GABAergic inhibition. *Naunyn Schmiedebergs Arch Pharmacol* (2000) 361: 25-32.
- Meldrum B.S. und Horton R.W. Physiology of status epilepticus in primates. *Arch Neurol* (1973) 28: 1-9.
- Mewasingh L.D., Sekhara T., Aeby A., Christiaens F.J., Dan B. Oral ketamine in paediatric non-convulsive status epilepticus. *Seizure* (2003) 12: 483-489.
- Naylor D. Changes in nonlinear signal processing in rat hippocampus associated with loss of paired-pulse inhibition or epileptogenesis. *Epilepsia* (2002) 43 Suppl 5: 188-193.
- Nissinen J., Halonen T., Koivisto E., Pitkanen A. A new model of chronic temporal lobe epilepsy induced by electrical stimulation of the amygdala in rat. *Epilepsy Res* (2000) 38: 177-205.
- Nixon J., Bateman D., Moss T. An MRI and neuropathological study of a case of fatal status epilepticus. *Seizure* (2001) 10: 588-591.
- Palmini A., Andermann F., Dubeau F., Gloor P., Olivier A., Quesney L.F., Salanova V. Occipitotemporal epilepsies: evaluation of selected patients requiring depth

electrodes studies and rationale for surgical approaches. *Epilepsia* (1993) 34: 84-96.

Pohlmann-Eden B., Gass A., Peters C.N., Wennberg R., Bluemcke I. Evolution of MRI changes and development of bilateral hippocampal sclerosis during long lasting generalised status epilepticus. *J Neurol Neurosurg Psychiatry* (2004) 75: 898-900.

Prasad A., Worrall B.B., Bertram E.H., Bleck T.P. Propofol and midazolam in the treatment of refractory status epilepticus. *Epilepsia* (2001) 42: 380-386.

Sagduyu A., Tarlaci S., Sirin H. Generalized tonic-clonic status epilepticus: causes, treatment, complications and predictors of case fatality. *J Neurol* (1998) 245: 640-646.

Savolainen K., Hirvonen M.R., Naarala J. Phosphoinositide second messengers in cholinergic excitotoxicity. *Neurotoxicology* (1994) 15: 493-502.

Schwarzer C., Tsunashima K., Wanzenbock C., Fuchs K., Sieghart W., Sperk G. GABA(A) receptor subunits in the rat hippocampus II: altered distribution in kainic acid-induced temporal lobe epilepsy. *Neuroscience* (1997) 80: 1001-1017.

Sheth R.D. und Gidal B.E. Refractory status epilepticus: response to ketamine. *Neurology* (1998) 51: 1765-1766.

Shinnar S., Berg A.T., Moshe S.L., Shinnar R. How long do new-onset seizures in children last? *Ann Neurol* (2001) 49: 659-664.

Shirasaka Y. und Wasterlain C.G. Chronic epileptogenicity following focal status epilepticus. *Brain Res* (1994) 655: 33-44.

Shneker B.F. und Fountain N.B. Assessment of acute morbidity and mortality in nonconvulsive status epilepticus. *Neurology* (2003) 61: 1066-1073.

Shorvon, S. Status epilepticus: its clinical features and treatment in children and adults. Cambridge University Press 1994.

Shorvon S. Does convulsive status epilepticus (SE) result in cerebral damage or affect the course of epilepsy--the epidemiological and clinical evidence? *Prog Brain Res* (2002) 135: 85-93.

Skaff P.T. und Labiner D.M. Status epilepticus due to human parvovirus B19 encephalitis in an immunocompetent adult. *Neurology* (2001) 57: 1336-1337.

Sloviter R.S. Permanently altered hippocampal structure, excitability, and inhibition after experimental status epilepticus in the rat: the "dormant basket cell" hypothesis and its possible relevance to temporal lobe epilepsy. *Hippocampus* (1991) 1: 41-66.

Stecker M.M., Kramer T.H., Raps E.C., O'Meeghan R., Dulaney E., Skaar D.J. Treatment of refractory status epilepticus with propofol: clinical and pharmacokinetic findings. *Epilepsia* (1998) 39: 18-26.

Theodore W.H., Porter R.J., Albert P., Kelley K., Bromfield E., Devinsky O., Sato S. The secondarily generalized tonic-clonic seizure: a videotape analysis. *Neurology* (1994) 44: 1403-1407.

Towne A.R., Pellock J.M., Ko D., DeLorenzo R.J. Determinants of mortality in status epilepticus. *Epilepsia* (1994) 35: 27-34.

Treiman D.M., Meyers P.D., Walton N.Y., Collins J.F., Colling C., Rowan A.J., Handforth A., Faught E., Calabrese V.P., Uthman B.M., Ramsay R.E., Mamdani M.B. A comparison of four treatments for generalized convulsive

status epilepticus. Veterans Affairs Status Epilepticus Cooperative Study Group. *N Engl J Med* (1998) 339: 792-798.

Turski W.A., Cavalheiro E.A., Schwarz M., Czuczwar S.J., Kleinrok Z., Turski L. Limbic seizures produced by pilocarpine in rats: behavioural, electroencephalographic and neuropathological study. *Behav Brain Res* (1983) 9: 315-335.

Vadlamudi L., Scheffer I.E., Berkovic S.F. Genetics of temporal lobe epilepsy. *J Neurol Neurosurg Psychiatry* (2003) 74: 1359-1361.

Van Lierde I., Van Paesschen W., Dupont P., Maes A., Sciot R. De novo cryptogenic refractory multifocal febrile status epilepticus in the young adult: a review of six cases. *Acta Neurol Belg* (2003) 103: 88-94.

Vignatelli L., Tonon C., D'Alessandro R. Incidence and short-term prognosis of status epilepticus in adults in Bologna, Italy. *Epilepsia* (2003) 44: 964-968.

Walker M.C., Perry H., Scaravilli F., Patsalos P.N., Shorvon S.D., Jefferys J.G. Halothane as a neuroprotectant during constant stimulation of the perforant path. *Epilepsia* (1999) 40: 359-364.

Yaffe K. und Lowenstein D.H. Prognostic factors of pentobarbital therapy for refractory generalized status epilepticus. *Neurology* (1993) 43: 895-900.