

7. Literaturverzeichnis

1. Alger JR. Spatial localization for in vivo Magnetic Resonance Spectroscopy: Concepts and Commentary. *NMR in Physiology and Biomedicine* (1994): 151-67.
2. American Psychiatric Association. *Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition (DSM-IV)*.
3. Brambilla P, Stanley JA, Nicoletti M, et al. ¹H MRS brain measures and acute lorazepam administration in healthy human subjects. *Neuropsychopharmacology*. 2002 Apr; 26(4): 546-51.
4. Brix G. *Grundlagen der Magnetresonanztomographie und Magnetresonanztomographie*. Axel-Springer-Verlag Berlin Heidelberg (1992): 5-27.
5. Brown LM, Leslie SW, Gonzales RA. The effects of chronic ethanol exposure on N-methyl-D-aspartat overflow of catecholamines from rat brain. *Brain Res*. 1991 May 3; 547(2): 289-94.
6. Bruns FH, Reinauer H, Stork W. Analytische und biologische Studien über den Gehalt an N-Acetyl-L-Aspartat im Gehirn. *Hoppe-Seyler's Zeitschrift für physiologische Chemie* (1967) 348: 512-18.
7. Burau T, Promotion 1997 an der Freien Universität Berlin. Bestimmung zerebraler Stoffwechselveränderungen mittels ¹HMR-Spektroskopie vor und nach Applikation zentralnervös wirksamer Medikamente.
8. Bustillo J, Wolff C, Myers-y-Gutierrez A, et al. Treatment of rats with antipsychotic drugs: lack of an effect on brain N-acetyl aspartate levels. *Schizophr Res*. 2004 Jan 1; 66(1): 31-9.
9. Bustillo JR, Lauriello J, Rowland LM, et al. Effects of chronic haloperidol and clozapine treatments on frontal and caudate neurochemistry in schizophrenia. *Psychiatry Res*. 2001 Oct 1; 107(3): 135-49.

10. Carboni S, Isola R, Gessa GL, Rossetti ZL. Ethanol prevents the glutamate release induced by N-methyl-D-aspartate in the rat striatum. *Neurosci Lett.* 1993 Apr 2; 152(1-2): 133-6.
11. Carrey N, MacMaster FP, Fogel J, et al. Metabolite changes resulting from treatment in children with ADHD: a 1H-MRS study. *Clin Neuropharmacol.* 2003 Jul-Aug; 26(4): 218-21.
12. Chesselet MF, Robbins E. Characterization of striatal neurons expressing high levels of glutamic acid decarboxylase messenger RNA. *Brain Res* 1989 Jul 17; 492 (1-2): 237-44.
13. Corrodi H, Fuxe K, Lidbrink P, Olson L. Minor tranquilizers, stress and catecholamine neurons. *Brain Res.* 1971 Jun 4; 29(1): 1-16.
14. Ewing JA. Detecting Alcoholism. The CAGE Questionnaire. *JAMA.* 1984 Oct 12; 252(14): 1905-7.
15. Fellows LK, Boutelle MG, Fillenz M. Physiological stimulation increases nonoxidative glucose metabolism in the brain of the freely moving rat. *J Neurochem.* 1993 Apr; 60(4): 1258-63.
16. Feuerlein W (1989). *Alkoholismus-Missbrauch und Abhängigkeit*, Thieme, Stuttgart.
17. Frahm J, Michaelis T, Merboldt KD, et al. Localized NMR spectroscopy in vivo. Progress and problems. *NMR Biomed.* 1989 Dec; 2(5-6): 188-95.
18. Frahm J, Bruhn H, Gyngell ML, Merboldt KD, Hanicke W, Sauter R. Localized high-resolution proton NMR spectroscopy using stimulated echoes: initial applications to human brain in vivo. *Magn Reson Med.* 1989 Jan; 9(1): 79-93.
19. Grant KA, Snell LD, Rogawski MA, Thurkauf A, Tabakoff B. Comparison of the effects of the uncompetitive N-methyl-D-aspartate antagonist (+)-5-aminocarbonyl-10, 11-dihydro-5H-dibenzo (a, d) cyclohepten-5, 10-imine (ADCI) with its structural analogs dizocilpine

- (MK-801) and carbamazepine on ethanol withdrawal seizures. *J Pharmacol Exp Ther.* 1992 Mar; 260(3): 1017-22.
20. Grant SJ, Huang YH, Redmond DE. Benzodiazepines attenuate single unit activity in the locus coeruleus. *Life Sci.* 1980 Dec 8; 27(23): 2231-6.
21. Grasby PM, Frith CD, Friston K, Frackowiak RS, Dolan RJ. Activation of the human hippocampal formation during auditory-verbal long-term memory function. *Neurosci Lett.* 1993 Dec 12; 163(2): 185-8.
22. Gulya K, Grant KA, Valverius P, Hoffman PL, Tabakoff B. Brain regional specificity and time-course of changes in the NMDA receptor-ionophore complex during ethanol withdrawal. *Brain Res.* 1991 Apr 26; 547(1): 129-34.
23. Heil T, Martens D, Eyrich K. Alcohol withdrawal syndrome in the postoperative phase-therapy or prevention? *Langenbecks Arch Chir Suppl II Verh Dtsch Ges Chir.* 1990;: 1137-40. German.
24. Ida Y, Tanaka M, Tsuda A, Tsujimaru S, Nagasaki N. Attenuating effect of diazepam on stress-induced increases in noradrenaline turnover in specific brain regions of rats: antagonism by RO 15-1788. *Life Sci.* 1985 Dec 30; 37(26): 2491-8.
25. Karson A, Nickel B, Schmickaly R, Fehlinger R (1989). Hochdosierte intravenöse Magnesium-Diazepam-Therapie- eine wirksame Kombinationsbehandlung des Delirium tremens. *Magnesium Bull* 11 (1989): 53-57.
26. Leib J, Braun J, Schilling A, et al. In vivo 1H magnetic resonance spectroscopy of rat brain after valproate administration. *Neuroradiology.* 2004 May; 46(5): 363-7. Epub 2004 Mar 25.
27. Lyoo IK, Demopoulos CM, Hirashima F, Ahn KH, Renshaw PF. Oral choline decreases brain purine levels in lithium-treated subjects with rapid-cycling bipolar disorder: a double-blind trial using proton and lithium magnetic resonance spectroscopy. *Bipolar Disord.* 2003 Aug; 5(4): 300-6.

28. McCown TJ, Frye GD, Breese GR. Evidence for site specific ethanol actions in the CNS. *Alcohol Drug Res.* 1985-86; 6(6): 423-9.
29. Meyerhoff DJ. Magnetic resonance spectroscopic imaging. *NMR in Physiology and Biomedicine* (1994): 169-184.
30. Michaelis T, Merboldt KD, Bruhn H, Hänicke W, Frahm J. Absolute concentrations of metabolites in the adult human brain in vivo: quantification of localized proton MR spectra. *Radiology.* 1993 Apr; 187(1): 219-27. Erratum in: *Radiology* 1993 Jul; 188(1): 288.
31. Nolop KB, Natow A. Unprecedented sedative requirements during delirium tremens. *Crit Care Med.* 1985 Apr; 13(4): 246-7.
32. Nutt D, Adinoff B, Linnoila M. Benzodiazepines in the treatment of alcoholism. *Recent Dev Alcohol.* 1989; 7: 283-313. Review.
33. Nunn J, Hodges H. Cognitive deficits induced by global cerebral ischaemia: relationship to brain damage and reversal by transplants. *Behav Brain Res.* 1994 Nov 16; 65(1): 1-31. Review.
34. Provencher SW. Estimation of metabolite concentrations from localized in vivo proton NMR spectra. *Magn Reson Med.* 1993 Dec; 30(6): 672-9.
35. Provencher SW. Automatic quantitation of localized in vivo ¹H spectra with LCModel. *NMR Biomed.* 2001 Jun; 14(4): 260-4.
36. Ribak CE, Vaughn JE, Roberts E. The GABA neurons and their axon terminals in rat corpus striatum as demonstrated by GAD immunocytochemistry. *J Comp Neurol.* 1979 Sep 15; 187(2): 261-83.
37. Rinck PA, Petersen SB, Muller RN. *Magnetresonanz in der Medizin. Sonderdruck für European Workshop on Nuclear Magnetic Resonance in Medicine, Georg Thieme Verlag Stuttgart, New York* (1985).

38. Rommelspacher H, Schmidt LG, May T. Plasma norharman (β -carboline) levels are elevated in chronic alcoholics. *Alcohol Clin Exp Res.* 1991 Jun; 15(3): 553-9.
39. Rommelspacher H, Schmidt LG, Helmchen H. Pathobiochemistry and pharmacotherapy of alcohol withdrawal delirium. *Nervenarzt.* 1991 Nov; 62(11): 649-57. Review. German.
40. Rothman DL. ¹H-NMR-studies of human brain metabolism and physiology. *NMR in Physiology and Biomedicine* (1994): 353-72.
41. Seitz W (1991). Der alkoholranke Patient auf der Intensivstation: In: Verner L, Hartmann M, Seitz W (Hrsg.): *Delir und Delirprophylaxe in der Intensivmedizin. Eine Standortbestimmung.* Steinkopff, Darmstadt, S. 1-12.
42. Semmler W, Bachert P. In-vivo-MR-Spektroskopie. *Magnetresonanztomographie.* Axel-Springer-Verlag Berlin, Heidelberg (1992): 665-681.
43. Spies CD, Dubisz N, Neumann T, et al. Therapy of alcohol withdrawal syndrome in intensive care unit patients following trauma. *Crit Care Med.* 1996 Mar; 24(3): 414-22. Review.
44. Spies CD, Dubisz N, Funk W, et al. Prophylaxis of alcohol withdrawal syndrome in alcohol-dependent patients admitted to the intensive care unit after tumor resection. *Br J Anaesth.* 1995 Dec; 75(6): 734-9.
45. Spies CD, Nordmann A, Brummer G, et. al. Intensive care unit stay is prolonged in chronic alcoholic men following tumor resection of the upper digestive tract. *Acta Anaesthesiol Scand.* 1996 Jul; 40(6): 649-56.
46. Stephens LR, Logan SD. Inositol lipid metabolism in rat hippocampal formation slices: basal metabolism and effects of cholinergic agonists. *J Neurochem.* 1989 Jan; 52(1): 179-86.
47. Stibler H. Carbohydrate-deficient transferrin in serum: a new marker of potentially harmful alcohol consumption reviewed. *Clin Chem.* 1991 Dec; 37(12): 2029-37. Review.

48. Takebayashi K, Sekine Y, Takei N, et al. Metabolite alterations in basal ganglia associated with psychiatric symptoms of abstinent toluene users: a proton MRS study. *Neuropsychopharmacology*. 2004 May; 29(5): 1019-26.
49. Tedeschi G, Bertolino A, Campbell G, et al. Reproducibility of proton MR spectroscopic imaging findings. *AJNR Am J Neuroradiol*. 1996 Nov-Dec; 17(10): 1871-9.
50. Ticku MK, Kulkarni SK. Molecular interactions of ethanol with GABAergic system and potential of RO 15-4513 as an ethanol antagonist. *Pharmacol Biochem Behav*. 1988 Jun; 30(2): 501-10. Review.
51. Tsai G, Gastfriend DR, Coyle JT. The glutamatergic basis of human alcoholism. *Am J Psychiatry*. 1995 Mar; 152(3): 332-40. Review.
52. Woodward JJ, Gonzales RA. Ethanol inhibition of N-methyl-D-aspartate-stimulated endogenous dopamine release from rat striatal slices: reversal by glycine. *J Neurochem*. 1990 Feb; 54(2): 712-5.
53. Woodward JJ. A comparison of the effects of ethanol and the competitive glycine antagonist 7-chlorokynurenic acid on N-methyl-D-aspartic acid-induced neurotransmitter release from rat hippocampal slices. *J Neurochem*. 1994 Mar; 62(3): 987-91.