

8 Literaturverzeichnis

- AABDALLAH, D. M., EID, N. I. (2004). Possible neuroprotective effects of lecithin and alpha-tocopherol alone or in combination against ischemia/reperfusion insult in rat brain. *J Biochem Mol Toxicol* 18, 273-278.
- BAKER, H., SCHAR, S. M., MURPHY, B. D., DEANGELIS, B., FEINGOLD, S., FRANK (1986). Blood vitamin and choline concentrations in healthy cats, dogs, and horses. *J Am Vet Med Assoc* 47, 1468-1471.
- BEASLEY, V. (1999). Absorption, distribution, metabolism and elimination: Differences among species. International Veterinary Information Service No. A2659.0899 (www.ivis.org).
- BESTERMAN, J. M., DURONIO, V., CUATRECASAS, P. (1986). Rapid formation of diacylglycerol from phosphatidylcholine: A pathway for generation of a second messenger. *Proc Natl Acad Sci USA* 83, 6785-6789.
- BILLAH, M. M., ANTHES, J. C. (1990). The regulation and cellular functions of phosphatidylcholine hydrolysis. *Biochem J* 269, 281-291.
- BLUSZTAIN, J. K. (1995). Choline: The essential nutrient for brain development. *Nippon Nogeikagaku Kaishi* 69, 578-582.
- BUCHMAN, A. L., DUBLIN, M., JENDEN, D., MOUKARZEL, A. (1992). Lecithin increases hepatic steatosis in long-term total parenteral nutrition patients. *Gastroenterology* 102, 1363-1370.
- BUCHMAN, A. L., SOHEL, M., BROWN, M., JENDEN, D. J., AHN, C., ROCH, M., BRAWLEY, T. L. (2001). Verbal and visual memory improve after choline supplementation in long term total prenatal nutrition: A pilot study. *J Parenter Enteral Nutr* 25, 30-35.
- CAMPBELL, K. L., DORN, G. P. (1992). Effects of oral sunflower oil and olive oil on serum and cutaneous fatty acid concentrations in dogs. *Res Vet Sci* 53, 172-178.
- CANTY, D. J., ZEISEL, S. H. (1994). Lecithin and choline in human health and disease. *Nut Rev* 52, 327-339.
- CASEY, J. (1997). Lecithin and canine hair coat. Lec-D-22, Central Soya European Proteins, Aarhus/Dänemark.
- CASEY, J. (1999). Lecithin as an antioxidant for fats in animal foods. Lec-T-36, Central Soya European Proteins, Aarhus/Dänemark.

- CHUNG, S. Y., MORIYAMA, T., UEZU, E., UEZU, K., HIRATA, R., YOHENA, N., MASUDA, Y., KOKUBU, T., YAMAMOTO, S. (1995). Administration of phosphatidylcholine increases brain acetylcholine concentration and improves memory in mice with dementia. *J Nutr* 126, 1484-1489.
- COELHO, M. (1995). Ethoxyquin: Science vs. marketing. *Petfood Industry*, September/October 1995.
- COHEN, B. M., RENSHAW, P. F., STOLL, A. C., WORTMANN, R. J., YORGELUNTODD, A., BABB, S. M. (1995). Decreased brain choline uptake in older adults. An in vivo proton magnetic resonance spectroscopy study. *JAMA* 274, 902-907.
- CREDILLE, K. M. (2000). The role of nutrition on the canine hair follicle: A preliminary report. *Recent Advances in canine nutrition and feline nutrition*. Vol III. 2000 IAMS Nutrition Symposium Proceedings, 37-53.
- DAVENPORT, G. M., REINHART, G. A. (2000). Overview: The Impacts of nutrition on skin and hair coat. *Recent Advances in canine nutrition and feline nutrition*. Vol III. 2000 IAMS Nutrition Symposium Proceedings, 3-21.
- DEMPSEY, E. C., NEWTON, A. C., MOCHLY-ROSEN, D., FIELDS, A. P., REYLAND, M. E., INSEL, P. A., MESSING, R. O. (2000). Protein kinase C isoenzymes and the regulation of diverse cell responses. *Am J Physiol Lung Cell Mol Physiol* 279, 429-438.
- DERESER, R. (1989). Biochemische Referenzbereiche in der Labordiagnostik des Hundes. Diss. med. vet., München.
- DIOMEDE, L., AGOSTI, S., SALMONA, M. (1993). Analytical validity of electrochemical determination of lecithin for establishing foetal lung maturity in normal and complicated pregnancies. *Monaldi Arch Chest Dis* 48, 672-675.
- ELSTNER, E. F., SCHEMPP, H., PREIBISCH, G., HIPPELI, S., OSSWALD, W. (1994): Biological sources of free radicals. In: NOHL, H., ESTERBAUER, H., RICE-EVANS, E. (Hrsg.): *Free radicals in the environment, medicine and toxicology*; S. London: Richelieu Press.
- EXTON, J. H. (1990). Signaling through phosphatidylcholine breakdown. *J Biol Chem* 265, 1-4.
- FDRL (1973). Approximate LD50 OF FDA 71-88 (Lecithin) in mice. Report prepared under DHEW contract no. FDA 71-260; laboratory no. 1762. Food and Drug Research Laboratories, Waverly, Kalifornien.
- FIUME, C. (2001). Final report on the safety assessment of lecithin and hydrogenated lecithin. *Int J Toxicol* 20, S21-S45.
- FMV (2000). *Futtermittelverordnung, BGBl. II Nr. 92/2000, in den Fassungen der Novellen BGBl. II Nr. 51/2001, 373/2001, 28/2002 und 243/2003 (konsolidierte Fassung)*.

- FUHRER, F., LIMACHER, A., MIKLE, H., TRUTTMANN, M., FRIEDLI, R., PASQUIER, M., PFEFFERLI, H., SCHNELLER, R., GREMAUD, G. (2005). Schweizer Lebensmittelbuch. http://www.bag-anw.admin.ch/SLMB/Online/PDF/Data%20SLMB/MSDA/Version%20D/07_Speisefette.pdf.
- HALLIWELL, B. (1994). Free radicals and antioxidants: A personal view. *Nutr Rev* 52, 253-265.
- HALLIWELL, B. (1997). Antioxidants and human disease: A general introduction. *Nutr Rev* 55, 44-52.
- HÄUSSINGER, D., TAUBER, R. (1994): Proteinstoffwechsel. In: SIEGENTHALER, W. (Hrsg.): *Klinische Pathophysiologie*, 7. Aufl.; S. Stuttgart-New York: Georg Thieme Verlag.
- HOLLAND, J. C., KRONFELD, D. S., MEACHAM, T. N. (1996). Behavior of horses is affected by soy lecithin and corn oil in the diet. *J Anim Sci* 74, 1252-1255.
- HUDSON, E. A., GAUNTLETT, J. (1977). Amniotic fluid cells and the lecithin/sphingomyelin ratio. *Obstet Gynecol* 49, 280-286.
- JACOB, I., SPILLMANN, T., BURKHARDT, E., SCHNEIDER, M., GRÜNBAUM, E. G. (2002). Sensitivität unterschiedlicher Leberparameter in der Diagnostik von Hepatopathien der Katze. *Tierärztl Praxis* 30 (K), 305.
- KANTER, M. (1994). Free Radicals, exercise, and antioxidant supplementation. *Int J Sport Nutrition* 4, 205-220.
- KELER, P. (1986). Enzyme in Organen, Zellfraktionen und Körperflüssigkeiten des Hundes unter spezieller Berücksichtigung klinisch-diagnostischer Aspekte. *Schweiz Arch Tierheilk* 128, 1-25.
- KRAFT, W. (1987). Diagnostik von Leberkrankheiten bei Hund, Katze und Pferd. *Tierärztl Praxis* 15, 343-347.
- KRAFT, W., DÜRR, U. M. (2005). *Klinische Labordiagnostik in der Tiermedizin*, 6. Aufl. Stuttgart-New York: Schattauer.
- KULLENBERG, F. W. (1989): Lecithin in animal health and nutrition. In: SZUHAJ, B. F. (Hrsg.): *Lecithins: Sources, manufacture and uses.*; S. 237-252. Champaign/Illinois: The American Oil Chemist's Society.
- LEKIM, D., BETZING, H. (1976). Intestinal absorption of polyunsaturated phosphatidyl-choline in the rat. *Hoppe Seyler's Z Physiol Chem* 357, 1321-1331.
- LI, Z., AGELLON, L. B., VANCE, D. E. (2005). Phosphatidylcholine homeostasis and liver failure. *J Biol Chem* 280, 37798-802.
- LLOYD, A. H. (1989). Essential fatty acids and skin disease. *J Small Anim Pract* 30, 207-212.

- LLOYD, A. H., THOMSETT, L. R. (1989). Essential fatty acid supplementation in the treatment of canine atopy: A preliminary study. *Vet Dermatol* 1, 41-44.
- LMBG (1997). Gesetz über den Verkehr mit Lebensmitteln, Tabakerzeugnissen, kosmetischen Mitteln und sonstigen Bedarfsgegenständen - (Lebensmittel- und Bedarfsgegenständegesetz - LMBG), Neufassung vom 09.09.1997 BGBI I , 1997, 63, 17.09.1997, S.2296-2319.
- LOGAS, D., KUNKLE, G. (1994). Double-blinded crossover study with marine oil supplementation containing high-dose eicosapentanoic acid for the treatment of canine pruritis skin disease. *Vet Dermatol* 5, 99-104.
- MARILLEY, D., MOSIENIAK, G., BOSCOBOINIK, D., AZZA, A. (1996). Correlation between human vascular smooth muscle cell proliferation and protein kinase C-alpha expression: Effects of d-alpha-tocopherol. *Biochem Mol Biol Int* 40, 699-707.
- MCCORD, J. M. (1993). Human disease, free radicals, and the oxidant/antioxidant balance. *Clin Biochem* 26, 351-357.
- MCDANIEL, M. A., MAIER, S. F., EINSTEIN, G. O. (2003). "Brain-specific" nutrients: A brain cure? *Nutrition* 19, 957-975.
- MEYER, D. J., HARVEY, J. W. (1998). *Laboratory Medicine*. Philadelphia-London: William Saunders.
- MILLER, K. W., SMALL, D. M. (1987): Structure of triglyceride-rich lipoproteins: An analysis of core and surface phases. In: GIOTTO, A. M. H. (Hrsg.): *Plasma lipoproteins*; S. 1-75. New York: Elsevier.
- MOSS, D. W. (1982). Alkaline phosphatase isoenzymes. *Clin Chem* 28, 2007-2016.
- N.N. (1995). Phospholipids and liposomes. Wissenschaftliche Publikation Nr. 2. Nattermann Phospholipid GmbH, Köln.
- NEWTON, A. C. (1993). Interactions of proteins with lipid headgroups: Lessons from protein kinase C. *Annu Rev Biophys Biomol Struct* 22, 1-25.
- NEWTON, A. C. (1995). Protein kinase C: Structure, function and regulation. *J Biol Chem* 270, 28495-28499.
- NISHIZUKA, A. (1986). Studies and perspectives of protein kinase C. *Science* 233, 305-312.
- OKAZAKI, J., MAWATARI, K., KENT, K. C. (2000). The effect of protein kinase C and its subtype alpha on human vascular smooth muscle cell proliferation, migration and fibronectin production. *Surgery* 128, 192-197.
- PLONAIT, H. (1980). *Labordiagnostik für die Tierärztliche Praxis*. Berlin: Paul Parey.

- REES, C. A., BAUER, J. E., BURKHOLDER, W. J., KENNIS, R. A., DUNBAR, B. L., BIGLEY, K. E. (2001). Effects of dietary flax seed and sunflower seed supplementation on normal canine serum polyunsaturated fatty acids and skin and hair coat condition scores. *Vet Dermatol* 12, 111-117.
- REID, S. W. G., PETERSON, M. M. (2000). Methods of estimating canine longevity. *Vet Record* 147, 630-631.
- SAITO, H., ISHIHARA, K. (1997). Antioxidant activity and active sites of phospholipids as antioxidants. *JAOCS* 74, 1531-1536.
- SCHMIDL, M., FORSTNER, D. V. (1985). Veterinärmedizinische Laboruntersuchungen für die Diagnose und Verlaufskontrolle, 3. Aufl. Mannheim: Boehringer.
- SCHWENDENWEIN, I. (1995). Selektive Labordiagnostik nichtinfektiöser Erkrankungen. Jena-Stuttgart: Gustav Fischer Verlag.
- SEN, C. K. (1995). Oxidants and antioxidants in exercise. *J Appl Physiol* 79, 675-686.
- SHEA, T. B., EKINCI, F. J., ORTIZ, D., WILSON, T. O., NICOLOSI, R. J. (2003). Efficacy of vitamin E, phosphatidyl choline and pyruvate on Abeta neurotoxicity in culture. *J Nu Health Aging* 7, 252-255.
- SIES, H. (1991). Oxidative stress: Oxidants and antioxidants. London: Academic Press.
- SIES, H., STAHL, W., SUNDQUIST, A. R. (1992). Antioxidant functions of vitamins - Vitamins E and C, b-carotene, and other carotenoids. *Ann N Y Acad Sci* 669, 7-20.
- SITARAM, N., WEINGARTNER, H., GILLIN, J. C. (1978). Human serial learning: Enhancement with choline and choline impairment with scopolamine. *Science* 201, 274-276.
- SMIT, J. J., SCHINKEL, A. H., OUDE ELFERINK, R. P., GROEN, A. K., WAGENAAR, E., VAN DEEMTER, L., MOL, C. A., OTTENHOFF, R., VAN DER LUGT, N. M., VAN ROON, M. A. (1993). Homozygous disruption of the murine mdr2 P-glycoprotein gene leads to a complete absence of phospholipid from bile and to liver disease. *Cell* 75, 451-462.
- SOUROUJON, M., MOCHLY-ROSEN, D. (1998). Peptide modulators of protein-protein interactions in intracellular signaling. *Nat Biotechnol* 16, 919-924.
- SOUSA, C. A., STANNARD, A. A., IHRKE, R. J., REINKE, S. I., SCHMEITZEL, L. P. (1988). Dermatoses associated with feeding generic dog food: 13 cases (1981-1982). *J Am Vet Med Assoc* 192, 676-680.
- STRECKER, A. (1862). Über einige neue Bestandteile der Schweingalle. Zit. n. CANTY et al. (1994).
- STRYER, K. (1996). Biochemie, 4. Aufl. Berlin: Spektrum Akademischer Verlag.

- SYAKALIMA, M., TAKIGUCHI, M., YASUDA, J., HASHIMOTO, A. (1998). The canine alkaline phosphatases: a review of the isoenzymes in serum, analytical methods and their diagnostic application. *Jpn J Vet Res* 46, 3-11.
- VAN HOOF, O. V., HOYLAERTS, M. F., GERYL, H., VAN MULLEM, M., LEPOUTRE, L. G., DE BROE, M. E. (1990). Age and sex distribution of alkaline phosphatases isozymes by agarose electrophoresis. *Clin Chem* 36, 875-878.
- WEBER, A., SCHWARZKOPF, A. (2003). Heimtierhaltung - Chancen und Risiken für die Gesundheit. Gesundheitsberichterstattung des Bundes, Heft 19. Robert Koch Institut - Statistisches Bundesamt, Berlin.
- WENNINGER, J. A., CANTERBURY, R. C., MCEWEN, G. N. (2000). International cosmetic ingredient dictionary and handbook. 8. Aufl. Washington: CTFA (Cosmetic, Toiletry, and Fragrance Association).
- WERNER, L. L., REAVILL, D. R. (1999). The diagnostic utility of serum protein electrophoresis. *Vet Clin North Am Exot Anim Pract* 2, 651-62.
- WHITE, P. (1993). Essential fatty acids: Use in management of canine atopy. *Comp Cont Edu Small Anim Pract* 15, 451-457.
- ZEISEL, S. H. (1988): Vitamin-like molecules. In: SHILS, M. E., YOUNG, V. R. (Hrsg.): Modern nutrition in health and disease.; S. 440-458. Philadelphia: Lea & Feibiger.
- ZEISEL, S. H. (1989): Lecithin in health and human nutrition. In: SZUHAJ, B. F. (Hrsg.): Lecithin: Sources, manufactor, and uses.; S. 225-236. Champaign, Illinois/USA: American Oil Chemical Society.
- ZEISEL, S. H. (1993). Choline phospholipids: Signal transduction and carcinogenesis. *FASEB J* 7, 551-557.
- ZEISEL, S. H. (1997). Choline: Essential for brain development and function. *Adv Pediatr* 44, 263-295.
- ZEISEL, S. H. (2000). Choline: Needed for normal development of memory. *J Am Coll Nutr* 19, 528S-531S.
- ZEISEL, S. H., DACOSTA, K. A., FRANKLIN, P. D. (1991). Choline, an essential nutrient for humans. *FASEB J* 5, 2093-2098.
- ZVERKV (1998). Verordnung über Anforderungen an Zusatzstoffe und Inverkehrbringen von Zusatzstoffen für technologische Zwecke (Zusatzstoff-Verkehrsverordnung) in der Fassung vom 29.1.1998, BGBl I 1998, S. 230, 269.
- ZZULV (2005). Verordnung über die Zulassung von Zusatzstoffen zu Lebensmitteln zu technologischen Zwecken (Zusatzstoff-Zulassungsverordnung, ZZuLV) in der Fassung vom 29.1.1998, BGBl I 1998, S. 230-231, zuletzt geändert durch Verordnung zur Änderung der Zusatzstoff-Zulassungsverordnung und anderer lebensmittel-rechtlicher Verordnungen vom 20.1.2005, BGBl I 2005, S. 128.