

---

## **IX. Literaturverzeichnis**

- ALKSNE, J.F. (1962): An electron microscopic study of the arachnoid villi of the dog.  
*Anat. Rec.* 142: 295-296
- ALKSNE, J.F.; WHITE, L.E. (1965): Electron-microscope study of the effect of increased intracranial pressure on the arachnoid villus.  
*J. Neurosurg.* 22: 481-488
- ANDERSON, D.R. (1969): Ultrastructure of meningeal sheaths: normal human and monkey optic nerve.  
*Arch. Ophthal.* 82: 659-674
- ANDRES, K.H. (1967a): Über die Feinstruktur der Arachnoidea und Dura mater von Mammalia.  
*Z. Zellf.* 79: 272-295
- ANDRES, K.H. (1967b): Zur Feinstruktur der Arachnoidalzotten bei Mammalia.  
*Z. Zellf.* 82: 92-109
- ANGELOV, D.N.; VASILEV, V.A. (1988): Electron microscopic study of cat meninges.  
*Anat. Anz.* 166: 1-8
- ARNOLD, W.; NITZE, H.R.; RITTER, R.; ILBERG, C. v.; GANZER, U. (1972): Qualitative Untersuchungen der Verbindungswege des Subarachnoidalraumes mit dem lymphatischen System des Kopfes und Halses.  
*Acta Otolaryngol.* 74: 411-424
- BERENS VON RAUTENFELD, D.; MAHER, N.; BÖHME, G.; LÜDEMANN, W. (1993): Phylogenetische und tierexperimentelle Aspekte der lymphvaskulären Liquorabsorption unter Bedingungen eines erhöhten Hirndruckes.  
*Lymphologica: Jahresband 1998*, 218-225
- BÖHME, G. (1973): Lichtmikroskopische Untersuchungen über die Struktur der Leptomeninx encephali bei Gallus domesticus.  
*Z. Anat. Entw.-Gesch.* 140: 215-230
- BÖHME, G. (1974): Untersuchungen an den Meningen des Huhnes (Granulationes leptomeningicae).  
*Anat. Histol. Embryol.* 3: 233-242
- BÖTEL, C.; BRINKER, T.; WALTER, G.F.; HEDRICH, H.J. (1994): Die lymphatische Liquorabsorption - eine tierartvergleichende Studie.  
*Dtsche Tierärztl. Wochenschr.* 101(4): 167
- BRADBURY, M.W.B.; WESTROP, R.J. (1983): Factors influencing exit from cerebrospinal fluid into deep cervical lymph of the rabbit.  
*J. Physiol. (London)* 339: 519-534

BRIERLEY, J.B.; FIELD, E.J. (1948): The connexions of the spinal sub-arachnoid space with the lymphatic system.  
*J. Anat. (London)* 82: 153-166

BRUNORI, A.; VAGNOZZI, R.; GIUFFRE, R. (1993): Antonio Pacchioni (1665-1726): early studies of the dura mater.  
*J. Neurosurg.* 78(3): 515-518

BUTLER, A.B.; VAN LANDINGHAM, K.E.; McCOMB, J.G. (1983): Pressure-facilitated CSF flow across the arachnoid membrane.  
*5<sup>th</sup> International Symposium on intracranial pressure, Springer-Verlag:* 598-604

COOPER, E.R.A. (1958): Arachnoid granulations in man.  
*Acta Anat.* 34: 187-200

COOPER, E.R.A. (1960): Further studies of arachnoid granulations in man  
*Acta Anat.* 42: 88-104

CZERNIAWSKA, A. (1970): Experimental investigations on the penetration of <sup>198</sup>Au from nasal mucous membrane into cerebrospinal fluid.  
*Acta Otolaryngol.* 70: 58-61

DÜRING, M. v., ANDRES, K.H. (1991): Sensory nerve fiber terminals in the arachnoid granulations in non-human primates.  
*Neurosci. Lett.* 127(1): 121-124

ERLICH, S.S.; McCOMB, J.G.; HYMANN, S.; WEISS, M.H. (1986): Ultrastructural morphology of the olfactory pathway for cerebrospinal fluid drainage in the rabbit.  
*J. Neurosurg.* 64: 466-473

ERLICH, S.S.; McCOMB, J.G.; HYMANN, S.; WEISS, M.H. (1989): Ultrastructure of the orbital pathway for cerebrospinal fluid drainage in rabbits.  
*J. Neurosurg.* 70: 926-931

FANKHAUSER, R. (1962): Untersuchungen über die arachnoidalnen Zotten und Granulationen beim Tier.  
*Schweiz. Arch. Tierheilk.* 104: 13-34

GAILLOUD, P.; MUSTER, M.; KHAW, N.; MARTIN, J.B.; MURPHY, K.J.; FASEL, J.H.D.; RÜFENACHT, D.A. (2001): Anatomic relationship between arachnoid granulations in the travers sinus and the termination of the vein of Labbé: an angiographic study.  
*Neuroradiol.* 43: 139-143

GOMEZ, D.G.; FENSTERMACHER, J.D.; MANZO, R.P.; JOHNSON, D.; POTTS, D.G. (1985): Cerebrospinal fluid absorption in the rabbit: olfactory pathways.  
*Acta Otolaryngol.* 100: 429-436

- GREITZ, D.; HANNERZ, J. (1996): A proposed model of cerebrospinal fluid circulation: observations with radionuclide cisternography.  
*Am. J. Neuroradiol.* 17(3): 431-438
- HÄLLER, A. (1961): Untersuchungen über das Vorkommen Pacchionischer Granulationen bei Tieren.  
*Bern: Univ., Veterinärmedizinische Fakultät, Diss.*
- HAINES, D.E. (1991): On the question of a subdural space.  
*Anat. Rec.* 230: 3-21
- HARVEY, P.H.; KREBS, J.R. (1990): Comparing brains.  
*Science* 249: 140-146
- JACKSON, R.T.; TIGGES, J.; ARNOLD, W. (1979): Subarachnoid space of the CNS, nasal mucosa, and lymphatic system.  
*Arch. Otolaryngol.* 105: 180-184
- JAYATILAKA, A.D.P. (1965): An electron microscopic study of sheep arachnoid granulations.  
*J. Anat.* 99(3): 635-649
- JERISON, H.J. (1970): Brain evolution: New light on old principles.  
*Science* 170: 1224-1225
- KELKENBERG, U. (1999): Vergleichende morphologische und pathophysiologische Untersuchungen der Liquordynamik bei Huhn und Ratte  
*Berlin: Freie Univ., Fachbereich Veterinärmedizin, Diss.*
- KEY, A.; RETZIUS, G. (1875): Studien der Anatomie des Nervensystems und des Bindegewebes. I. Der feinere Bau der Häute des Gehirns und Rückenmarks.  
*Stockholm: Verlag Samson & Wallin*
- KIDA, S.; YAMASHIMA, T.; KUBOTA, T.; ITO, H.; YAMAMOTO, S. (1988): A light and electron microscopic and immunohistochemical study of human arachnoid villi.  
*J. Neurosurg.* 69: 429-435
- KISS, F.; SATTLER, J. (1956): Struktur und Funktion der Pacchionischen Granulationen.  
*Anat. Anz.* 103: 273-286
- KLÍKA, E. (1967): The ultrastructure of meninges in vertebrates.  
*Acta Univ. Carol. Med. (Prag)* 13: 53-71
- KOSHIKAWA, T.; NAGANAWA, S.; FUKATSU, H.; IGUCHI, T.; ISHIGAKI, T. (2000): Arachnoid granulations on high-resolution MR images and diffusion-weighted MR images: normal appearance and frequency.  
*Radiat. Med.* 18(3): 187-191

KRAHN, V.; RICHTER, I.E. (1976): Beitrag zum Bau der Granula meningica aufgrund lichtmikroskopischer und rasterelektronenmikroskopischer Untersuchungen.  
*Anat. Anz.* 140: 118-135

KRASNIKOV, Iu.A. (1988): Venous sinuses of the dura mater of the bird brain.  
*Arkh. Anat. Gistol. Embriol.* 94(4): 8-14

KRISCH, B.; LEONHARDT, H.; OKSCHE A. (1984): Compartments and perivascular arrangements of the meninges covering the cerebral cortex of the rat.  
*Cell Tissue Res.* 238: 459-474

LEE, B.C.; GOMEZ, D.G.; POTTS, D.G.; PAVESE, A.M. (1979): Passage of Amipaque (metrizamide) through the arachnoid granulations.  
*Neuroradiol.* 17(4): 185-190

MALLOY, J.J.; LOW, F.N. (1974): Scanning electron microscopy of the SAS in the dog (II): spinal nerve exits.  
*J. comp. neurol.* 157: 87-108

MAURIZI, C.P. (1984): The circulation and function of cerebrospinal fluid.  
*Med. Hypotheses* 15(2): 155-162

MAWERA, G.; ASALA, S.A. (1996): The function of arachnoid villi/granulations revisited.  
*Centr. Afr. J. Med.* 42(9): 281-284

McCABE, J.S.; LOW, F.N. (1969): The subarachnoid angle: An area of transition in peripheral nerve.  
*Anat. Rec.* 164: 15-34

McCOMB, J.G. (1983): Recent research into the nature of cerebrospinal fluid formation and absorption.  
*J. Neurosurg.* 59: 369-383

NICKEL, R.; SCHUMMER, A.; SEIFERLE, E. (1992): Lehrbuch der Anatomie der Haustiere. Bd. V: Anatomie der Vögel.  
*Berlin, Parey-Verlag*

OROSZ, A.; FÖLDES, I.; KÓSA, C.S.; TÓTH, G. (1957): Radioactive isotope studies of the connection between the lymph circulation of the nasal mucosa, the cranial cavity and cerebrospinal fluid.  
*Acta Physiol. Acad. Sci. Hung.* 11: 75-81

PETTERSON, C.Å.V. (1993): Drainage of molecules from subarachnoid space to spinal nerve roots and peripheral nerve of the rat.  
*Acta Neuropathol.* 86: 636-644

SCHOLZ, R.O., RALSTON, E.M. (1939): The pathways of absorption of Sodium Ferrocyanide from the SAS into the venous system.  
*Anat. Rec.* 75 (3): 365-371

SHANTAVEERAPPA, T.R.; BOURNE, G.H. (1963): The perineural epithelium: nature and significance.

*Nature* 199: 577-579

SOLNITZKY, O. (1966): The structure, relations and function of the arachnoid villi.

*Anat. Rec.* 154: 425-426

STÖHR, P. (1928): Das peripherische Nervensystem. In: MÖLLEMDORF, W.v. (Hrsg.): Handbuch der Mikroskopischen Anatomie des Menschen.

Berlin: Springer-Verlag

THOMAS, P.K.; OLSSON, Y. (1975): Microscopic anatomy and function of the connective tissue components of peripheral nerve. In: DYCK, P.J.; THOMAS, P.K.; LAMBERT, E.H. (eds): Peripheral neuropathy. Philadelphia, W.B. Saunders Co., Vol. 1 zit. nach: JACKSON, R.T.; TIGGES, J.; ARNOLD, W. (1979)

VANDENABEELE, F.; CREEMERS, J.; LAMBRICHTS, I. (1996): Ultrastructure of the human spinal arachnoid and dural mater.

*J. Anat.* 189: 417-430

WEED, L.H. (1914): Studies on cerebrospinal fluid.

*J. med. Res.* 31: 21-117

zit. nach: COOPER, E.R.A. (1958)

WELCH, K.; FRIEDMANN, V. (1960): The cerebrospinal fluid valves.

*Brain* 83: 454-469

zit. nach: ALKSNE, J.F.; WHITE, L.E. (1965)

WELCH, K.; POLLAY, M. (1963): The spinal arachnoid villi of the monkey *Cercopithecus aethiopsabaeus* and *Macaca irus*.

*Anat. Rec.* 145: 43-48

WOLFF, N. (2002): Untersuchungen zur Ultrastruktur der Meninges encephali beim Haushuhn (*Gallus gallus domesticus*).

Berlin: Freie Univ., Fachbereich Veterinärmedizin, Diss.

WOLTERS, H.E. (1982): Die Vogelarten der Erde

Berlin: Parey-Verlag

YOFFEY, J.M. (1958): Passage of fluid and other substances through the nasal mucosa.

*J. Laryngol. Otol.* 72: 377-383

YAMASHIMA, T. (1996): On arachnoid villi and meningiomas: functional implication of ultrastructure, cell adhesion mechanisms, and extracellular matrix composition.

*Pathol. Oncol. Res.* 2(3): 144-149