

10. Literaturverzeichnis

- Albrecht, S., J. C. Goodman, et al. (1994). "Malignant meningioma in Gorlin's syndrome: cytogenetic and p53 gene analysis. Case report." *J Neurosurg* **81**(3): 466-71.
- Algrain, M., O. Turunen, et al. (1993). "Ezrin contains cytoskeleton and membrane binding domains accounting for its proposed role as a membrane-cytoskeletal linker." *J Cell Biol* **120**(1): 129-39.
- Alguacil-Garcia, A., N. M. Pettigrew, et al. (1986). "Secretory meningioma. A distinct subtype of meningioma." *Am J Surg Pathol* **10**(2): 102-11.
- Artlich, A. and D. Schmidt (1990). "Immunohistochemical profile of meningiomas and their histological subtypes." *Hum Pathol* **21**(8): 843-9.
- Bianchi, A. B., T. Hara, et al. (1994). "Mutations in transcript isoforms of the neurofibromatosis 2 gene in multiple human tumour types." *Nat Genet* **6**(2): 185-92.
- Brandis, A., S. Mirzai, et al. (1993). "Immunohistochemical detection of female sex hormone receptors in meningiomas: correlation with clinical and histological features." *Neurosurgery* **33**(2): 212-7; discussion 217-8.
- Bruneval, P., C. Sassy, et al. (1993). "Erythropoietin synthesis by tumor cells in a case of meningioma associated with erythrocytosis." *Blood* **81**(6): 1593-7.
- Buschges, R., K. Ichimura, et al. (2002). "Allelic gain and amplification on the long arm of chromosome 17 in anaplastic meningiomas." *Brain Pathol* **12**(2): 145-53.
- Cai, D. X., R. Banerjee, et al. (2001). "Chromosome 1p and 14q FISH analysis in clinicopathologic subsets of meningioma: diagnostic and prognostic implications." *J Neuropathol Exp Neurol* **60**(6): 628-36.
- Cai, D. X., C. D. James, et al. (2001). "PS6K amplification characterizes a small subset of anaplastic meningiomas." *Am J Clin Pathol* **115**(2): 213-8.
- Chen, J. W., H. S. U, et al. (1992). "Unsuspected meningioma presenting as a subdural haematoma." *J Neurol Neurosurg Psychiatry* **55**(2): 167-8.
- De Vitis, L. R., A. Tedde, et al. (1996). "Screening for mutations in the neurofibromatosis type 2 (NF2) gene in sporadic meningiomas." *Hum Genet* **97**(5): 632-7.
- DeAngelis, L. M. (2001). "Brain tumors." *N Engl J Med* **344**(2): 114-23.
- den Bakker, M. A., K. J. Vissers, et al. (1999). "Expression of the neurofibromatosis type 2 gene in human tissues." *J Histochem Cytochem* **47**(11): 1471-80.
- Drummond, K. J., J. J. Zhu, et al. (2004). "Meningiomas: updating basic science, management, and outcome." *Neurologist* **10**(3): 113-30.
- Dumanski, J. P., E. Carlstrom, et al. (1987). "Deletion mapping of a locus on human chromosome 22 involved in the oncogenesis of meningioma." *Proc Natl Acad Sci U S A* **84**(24): 9275-9.
- Dumanski, J. P., G. A. Rouleau, et al. (1990). "Molecular genetic analysis of chromosome 22 in 81 cases of meningioma." *Cancer Res* **50**(18): 5863-7.
- Evans, D. G., S. M. Huson, et al. (1992). "A genetic study of type 2 neurofibromatosis in the United Kingdom. I. Prevalence, mutation rate, fitness, and confirmation of maternal transmission effect on severity." *J Med Genet* **29**(12): 841-6.
- Gallagher, P. G. (2004). "Hereditary elliptocytosis: spectrin and protein 4.1R." *Semin Hematol* **41**(2): 142-64.
- Goldman, C. K., S. Bharara, et al. (1997). "Brain edema in meningiomas is associated with increased vascular endothelial growth factor expression." *Neurosurgery* **40**(6): 1269-77.

- Greenfield, J. G., D. I. Graham, et al. (1996). *Greenfield's Neuropathology*. New York, Arnold.
- Gutmann, D. H., J. Donahoe, et al. (2000). "Loss of DAL-1, a protein 4.1-related tumor suppressor, is an important early event in the pathogenesis of meningiomas." *Hum Mol Genet* **9**(10): 1495-500.
- Harrison, M. J., D. E. Wolfe, et al. (1991). "Radiation-induced meningiomas: experience at the Mount Sinai Hospital and review of the literature." *J Neurosurg* **75**(4): 564-74.
- Hayashi, K. (1992). "PCR-SSCP: a method for detection of mutations." *Genet Anal Tech Appl* **9**(3): 73-9.
- Jaaskelainen, J., M. Haltia, et al. (1986). "Atypical and anaplastic meningiomas: radiology, surgery, radiotherapy, and outcome." *Surg Neurol* **25**(3): 233-42.
- Kalamarides, M., M. Niwa-Kawakita, et al. (2002). "Nf2 gene inactivation in arachnoidal cells is rate-limiting for meningioma development in the mouse." *Genes Dev* **16**(9): 1060-5.
- Kedra, D., M. Peyrard, et al. (1996). "Characterization of a second human clathrin heavy chain polypeptide gene (CLH-22) from chromosome 22q11." *Hum Mol Genet* **5**(5): 625-31.
- Kepes, J. J., W. Y. Chen, et al. (1988). ""Chordoid" meningeal tumors in young individuals with peritumoral lymphoplasmacellular infiltrates causing systemic manifestations of the Castleman syndrome. A report of seven cases." *Cancer* **62**(2): 391-406.
- Kimura, Y., H. Saya, et al. (2000). "Calpain-dependent proteolysis of NF2 protein: involvement in schwannomas and meningiomas." *Neuropathology* **20**(3): 153-60.
- Kirsch, M., J. J. Zhu, et al. (1997). "Analysis of the BRCA1 and BRCA2 genes in sporadic meningiomas." *Genes Chromosomes Cancer* **20**(1): 53-9.
- Kleihues, P., D. N. Louis, et al. (2002). "The WHO classification of tumors of the nervous system." *J Neuropathol Exp Neurol* **61**(3): 215-25; discussion 226-9.
- Knudson, A. G., Jr. (1971). "Mutation and cancer: statistical study of retinoblastoma." *Proc Natl Acad Sci U S A* **68**(4): 820-3.
- Kolles, H., I. Niedermayer, et al. (1995). "Triple approach for diagnosis and grading of meningiomas: histology, morphometry of Ki-67/Feulgen stainings, and cytogenetics." *Acta Neurochir (Wien)* **137**(3-4): 174-81.
- Kondziolka, D., E. I. Levy, et al. (1999). "Long-term outcomes after meningioma radiosurgery: physician and patient perspectives." *J Neurosurg* **91**(1): 44-50.
- Kozlowski, P. and W. J. Krzyzosiak (2005). "Structural factors determining DNA length limitations in conformation-sensitive mutation detection methods." *Electrophoresis* **26**(1): 71-81.
- Kros, J., K. de Greve, et al. (2001). "NF2 status of meningiomas is associated with tumour localization and histology." *J Pathol* **194**(3): 367-72.
- Lallemand, D., M. Curto, et al. (2003). "NF2 deficiency promotes tumorigenesis and metastasis by destabilizing adherens junctions." *Genes Dev* **17**(9): 1090-100.
- Lamszus, K. (2004). "Meningioma pathology, genetics, and biology." *J Neuropathol Exp Neurol* **63**(4): 275-86.
- Lamszus, K., L. Kluwe, et al. (1999). "Allelic losses at 1p, 9q, 10q, 14q, and 22q in the progression of aggressive meningiomas and undifferentiated meningeal sarcomas." *Cancer Genet Cytogenet* **110**(2): 103-10.
- Lee, J. H., V. Sundaram, et al. (1997). "Reduced expression of schwannomin/merlin in human sporadic meningiomas." *Neurosurgery* **40**(3): 578-87.
- Lehman, T. A., B. G. Haffty, et al. (2000). "Elevated frequency and functional activity of a specific germ-line p53 intron mutation in familial breast cancer." *Cancer Res* **60**(4): 1062-9.
- Lekanne Deprez, R. H., A. B. Bianchi, et al. (1994). "Frequent NF2 gene transcript mutations in sporadic meningiomas and vestibular schwannomas." *Am J Hum Genet* **54**(6): 1022-9.

- Lekanne Deprez, R. H., P. H. Riegman, et al. (1995). "Cloning and characterization of MN1, a gene from chromosome 22q11, which is disrupted by a balanced translocation in a meningioma." *Oncogene* **10**(8): 1521-8.
- Louis, D. N., A. J. Hamilton, et al. (1991). "Pseudopsammomatous meningioma with elevated serum carcinoembryonic antigen: a true secretory meningioma. Case report." *J Neurosurg* **74**(1): 129-32.
- Louis, D. N., V. Ramesh, et al. (1995). "Neuropathology and molecular genetics of neurofibromatosis 2 and related tumors." *Brain Pathol* **5**(2): 163-72.
- Ludwin, S. K., L. J. Rubinstein, et al. (1975). "Papillary meningioma: a malignant variant of meningioma." *Cancer* **36**(4): 1363-73.
- Lusis, E. A., M. A. Watson, et al. (2005). "Integrative genomic analysis identifies NDRG2 as a candidate tumor suppressor gene frequently inactivated in clinically aggressive meningioma." *Cancer Res* **65**(16): 7121-6.
- Lutchman, M. and G. A. Rouleau (1996). "Neurofibromatosis type 2: a new mechanism of tumor suppression." *Trends Neurosci* **19**(9): 373-7.
- Lyons, C. J., C. B. Wilson, et al. (1993). "Association between meningioma and Cowden's disease." *Neurology* **43**(7): 1436-7.
- MacCollin, M. (1995). "CNS Young Investigator Award Lecture: molecular analysis of the neurofibromatosis 2 tumor suppressor." *Brain Dev* **17**(4): 231-8.
- Maekawa, M., T. Nagaoka, et al. (2004). "Three-dimensional microarray compared with PCR-single-strand conformation polymorphism analysis/DNA sequencing for mutation analysis of K-ras codons 12 and 13." *Clin Chem* **50**(8): 1322-7.
- Maier, H., D. Ofner, et al. (1992). "Classic, atypical, and anaplastic meningioma: three histopathological subtypes of clinical relevance." *J Neurosurg* **77**(4): 616-23.
- Maltby, E. L., J. W. Ironside, et al. (1988). "Cytogenetic studies in 50 meningiomas." *Cancer Genet Cytogenet* **31**(2): 199-210.
- Mark, J., G. Levan, et al. (1972). "Identification by fluorescence of the G chromosome lost in human meningomas." *Hereditas* **71**(1): 163-8.
- Marsh, A., A. B. Spurdle, et al. (2001). "The intronic G13964C variant in p53 is not a high-risk mutation in familial breast cancer in Australia." *Breast Cancer Res* **3**(5): 346-9.
- Maxwell, M., T. Galanopoulos, et al. (1990). "Human meningiomas co-express platelet-derived growth factor (PDGF) and PDGF-receptor genes and their protein products." *Int J Cancer* **46**(1): 16-21.
- Meng, J. J., D. J. Lowrie, et al. (2000). "Interaction between two isoforms of the NF2 tumor suppressor protein, merlin, and between merlin and ezrin, suggests modulation of ERM proteins by merlin." *J Neurosci Res* **62**(4): 491-502.
- Merel, P., K. Hoang-Xuan, et al. (1995). "Screening for germ-line mutations in the NF2 gene." *Genes Chromosomes Cancer* **12**(2): 117-27.
- Merel, P., K. Hoang-Xuan, et al. (1995). "Predominant occurrence of somatic mutations of the NF2 gene in meningiomas and schwannomas." *Genes Chromosomes Cancer* **13**(3): 211-6.
- Milosevic, M. F., P. J. Frost, et al. (1996). "Radiotherapy for atypical or malignant intracranial meningioma." *Int J Radiat Oncol Biol Phys* **34**(4): 817-22.
- Mullis, K. B. and F. A. Falloona (1987). "Specific synthesis of DNA in vitro via a polymerase-catalyzed chain reaction." *Methods Enzymol* **155**: 335-50.
- Nakaguchi, H., T. Fujimaki, et al. (1999). "Postoperative residual tumor growth of meningioma can be predicted by MIB-1 immunohistochemistry." *Cancer* **85**(10): 2249-54.
- Nelson, P. K., A. Setton, et al. (1994). "Current status of interventional neuroradiology in the management of meningiomas." *Neurosurg Clin N Am* **5**(2): 235-59.

- Nutting, C., M. Brada, et al. (1999). "Radiotherapy in the treatment of benign meningioma of the skull base." *J Neurosurg* **90**(5): 823-7.
- Pasquier, B., F. Gasnier, et al. (1986). "Papillary meningioma. Clinicopathologic study of seven cases and review of the literature." *Cancer* **58**(2): 299-305.
- Perry, A., D. X. Cai, et al. (2000). "Merlin, DAL-1, and progesterone receptor expression in clinicopathologic subsets of meningioma: a correlative immunohistochemical study of 175 cases." *J Neuropathol Exp Neurol* **59**(10): 872-9.
- Perry, A., D. H. Gutmann, et al. (2004). "Molecular pathogenesis of meningiomas." *J Neurooncol* **70**(2): 183-202.
- Perry, A., S. L. Stafford, et al. (1997). "Meningioma grading: an analysis of histologic parameters." *Am J Surg Pathol* **21**(12): 1455-65.
- Peyrard, M., H. Q. Pan, et al. (1996). "Structure of the promoter and genomic organization of the human beta'-adaptin gene (BAM22) from chromosome 22q12." *Genomics* **36**(1): 112-7.
- Peyrard, M., E. Seroussi, et al. (1999). "The human LARGE gene from 22q12.3-q13.1 is a new, distinct member of the glycosyltransferase gene family." *Proc Natl Acad Sci U S A* **96**(2): 598-603.
- Probst-Cousin, S., R. Villagran-Lillo, et al. (1997). "Secretory meningioma: clinical, histologic, and immunohistochemical findings in 31 cases." *Cancer* **79**(10): 2003-15.
- Radner, H., I. Blumcke, et al. (2002). "[The new WHO classification of tumors of the nervous system 2000. Pathology and genetics]." *Pathologe* **23**(4): 260-83.
- Radner, H., D. Katenkamp, et al. (2001). "New developments in the pathology of skull base tumors." *Virchows Arch* **438**(4): 321-35.
- Robb, V. A., W. Li, et al. (2003). "Identification of a third Protein 4.1 tumor suppressor, Protein 4.1R, in meningioma pathogenesis." *Neurobiol Dis* **13**(3): 191-202.
- Rohringer, M., G. R. Sutherland, et al. (1989). "Incidence and clinicopathological features of meningioma." *J Neurosurg* **71**(5 Pt 1): 665-72.
- Rouleau, G. A., P. Merel, et al. (1993). "Alteration in a new gene encoding a putative membrane-organizing protein causes neuro-fibromatosis type 2." *Nature* **363**(6429): 515-21.
- Ruttledge, M. H., J. Sarrazin, et al. (1994). "Evidence for the complete inactivation of the NF2 gene in the majority of sporadic meningiomas." *Nat Genet* **6**(2): 180-4.
- Ruttledge, M. H., Y. G. Xie, et al. (1994). "Deletions on chromosome 22 in sporadic meningioma." *Genes Chromosomes Cancer* **10**(2): 122-30.
- Sadetzki, S., B. Modan, et al. (2000). "An iatrogenic epidemic of benign meningioma." *Am J Epidemiol* **151**(3): 266-72.
- Sambrook, J. and D. W. Russell (2001). *Molecular cloning : a laboratory manual*. Cold Spring Harbor, N.Y., Cold Spring Harbor Laboratory Press.
- Schmitz, U., W. Mueller, et al. (2001). "INI1 mutations in meningiomas at a potential hotspot in exon 9." *Br J Cancer* **84**(2): 199-201.
- Schneider, B. F., V. Shashi, et al. (1995). "Loss of chromosomes 22 and 14 in the malignant progression of meningiomas. A comparative study of fluorescence in situ hybridization (FISH) and standard cytogenetic analysis." *Cancer Genet Cytogenet* **85**(2): 101-4.
- Schnitt, S. J. and H. Vogel (1986). "Meningiomas. Diagnostic value of immunoperoxidase staining for epithelial membrane antigen." *Am J Surg Pathol* **10**(9): 640-9.
- Scoles, D. R., D. P. Huynh, et al. (1998). "Neurofibromatosis 2 tumour suppressor schwannomin interacts with betaII-spectrin." *Nat Genet* **18**(4): 354-9.
- Shaw, R. J., J. G. Paez, et al. (2001). "The Nf2 tumor suppressor, merlin, functions in Rac-dependent signaling." *Dev Cell* **1**(1): 63-72.
- Sheffield, V. C., J. S. Beck, et al. (1993). "The sensitivity of single-strand conformation polymorphism analysis for the detection of single base substitutions." *Genomics* **16**(2): 325-32.

- Shibata, S., N. Sadamori, et al. (1994). "Intracranial meningiomas among Nagasaki atomic bomb survivors." *Lancet* **344**(8939-8940): 1770.
- Shibuya, M., T. Hoshino, et al. (1992). "Meningiomas: clinical implications of a high proliferative potential determined by bromodeoxyuridine labeling." *Neurosurgery* **30**(4): 494-7; discussion 497-8.
- Shimoji, K., Y. Yasuma, et al. (1999). "Unique radiological appearance of a microcystic meningioma." *Acta Neurochir (Wien)* **141**(10): 1119-21.
- Soffer, D., J. M. Gomori, et al. (1989). "Intracranial meningiomas after high-dose irradiation." *Cancer* **63**(8): 1514-9.
- Tran, Y. K., O. Bogler, et al. (1999). "A novel member of the NF2/ERM/4.1 superfamily with growth suppressing properties in lung cancer." *Cancer Res* **59**(1): 35-43.
- Trofatter, J. A., M. M. MacCollin, et al. (1993). "A novel moesin-, ezrin-, radixin-like gene is a candidate for the neurofibromatosis 2 tumor suppressor." *Cell* **75**(4): 826.
- Ueki, K., C. Wen-Bin, et al. (1999). "Tight association of loss of merlin expression with loss of heterozygosity at chromosome 22q in sporadic meningiomas." *Cancer Res* **59**(23): 5995-8.
- Weber, R. G., J. Bostrom, et al. (1997). "Analysis of genomic alterations in benign, atypical, and anaplastic meningiomas: toward a genetic model of meningioma progression." *Proc Natl Acad Sci U S A* **94**(26): 14719-24.
- Wellenreuther, R., J. A. Kraus, et al. (1995). "Analysis of the neurofibromatosis 2 gene reveals molecular variants of meningioma." *Am J Pathol* **146**(4): 827-32.
- Wellenreuther, R., A. Waha, et al. (1997). "Quantitative analysis of neurofibromatosis type 2 gene transcripts in meningiomas supports the concept of distinct molecular variants." *Lab Invest* **77**(6): 601-6.
- Wertelecki, W., G. A. Rouleau, et al. (1988). "Neurofibromatosis 2: clinical and DNA linkage studies of a large kindred." *N Engl J Med* **319**(5): 278-83.
- Winek, R. R., B. W. Scheithauer, et al. (1989). "Meningioma, meningeal hemangiopericytoma (angioblastic meningioma), peripheral hemangiopericytoma, and acoustic schwannoma. A comparative immunohistochemical study." *Am J Surg Pathol* **13**(4): 251-61.
- Zang, K. D. (1982). "Cytological and cytogenetical studies on human meningioma." *Cancer Genet Cytogenet* **6**(3): 249-74.
- Zankl, H. and K. D. Zang (1972). "Cytological and cytogenetical studies on brain tumors. 4. Identification of the missing G chromosome in human meningiomas as no. 22 by fluorescence technique." *Humangenetik* **14**(2): 167-9.
- Ziemssen, F., R. Schnepf, et al. (2001). "[SSCP (single strand conformation polymorphism) analysis for detection of point mutations. A technique and its limits exemplified by dominantly inherited forms of diabetes (MODY)]." *Med Klin (Munich)* **96**(9): 515-20.
- Zucman-Rossi, J., P. Legoix, et al. (1998). "NF2 gene in neurofibromatosis type 2 patients." *Hum Mol Genet* **7**(13): 2095-101.
- Zucman-Rossi, J., P. Legoix, et al. (1996). "Identification of new members of the Gas2 and Ras families in the 22q12 chromosome region." *Genomics* **38**(3): 247-54.