

6 Literaturverzeichnis

- Achen, M. G., Jeltsch, M. et al.: Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4). *Proc. Natl. Acad. Sci. USA.* 1998; 95: S.548-553
- Albelda, S. M., Muller, W. A. et al.: Molecular and cellular properties of PECAM-1 (endoCAM/CD31): a novel vascular cell-cell adhesion molecule. *J. Cell Biol.* 1991; 114: S.1059-1068
- Albelda, S. M., Oliver, P. D. et al.: EndoCAM: a novel endothelial cell-cell adhesion molecule. *J. Cell Biol.* 1990; 110: S.1227-1237
- Algire, G. H., Chalkley, H. W. et al.: Vascular reactions of normal and malignant tumors in vivo. I. Vascular reactions of mice to wounds and to normal and neoplastic transplants.. *J. Natl. Cancer Inst.* 1945; 6: S.73-85
- Allison, P. R. und Johnstone, A. S.: The oesophagus lined with gastric mucous membrane. *Thorax.* 1953; 8: S.87-101
- Al-Rawi, M. A. A., Mansel, R. E. und Jiang, W. G.: Molecular and cellular mechanisms of lymphangiogenesis. *EJSO.* 2005; 31: S.117-121
- Asahara, T., Masuda, H. et al.: Bone marrow origin of endothelial progenitor cells responsible for postnatal vasculogenesis in physiological and pathological neovascularization. *Circ. Res.* 1999; 85: S.221-228
- Ausprunk, D. H. und Folkman, J.: Migration and proliferation of endothelial cells in preformed and newly formed blood vessels during tumor angiogenesis. *Microvasc. Res.* 1977; 14: S.53-65
- Auvinen, M. I., Sihvo, E. I. T. et al.: Incipient angiogenesis in Barrett's epithelium and lymphangiogenesis in Barrett's adenocarcinoma. *J. Clin. Oncol.* 2002; 20: S.2971-2979
- Baffert, F., Thurston, G. et al.: Age-related changes in vascular endothelial growth factor dependency and angiopoietin-1-induced plasticity of adult blood vessels. *Circ. Res.* 2004; 94: S.984
- Baldwin, M. E., Halford, M. M. et al.: Vascular endothelial growth factor D is dispensable for development of the lymphatic system. *Mol. Cell. Biol.* 2005; 25: S.2441-2449
- Balkwill, F., Charles, K. A. und Mantovani, A.: Smoldering and polarized inflammation in

- the initiation and promotion of malignant disease. *Cancer Cell*. 2005; 7: S.211-217
- Banerji, S., Ni, J. et al.: LYVE-1, a new homologue of the CD44 glycoprotein, is a lymph-specific receptor for hyaluronan. *J. Cell Biol.* 1999; 144: S.789-801
- Barrett, N. R.: Chronic peptic ulcer of the oesophagus and "oesophagitis". *Br. J. Surg.* 1950; 38: S.175-182
- Barrett, N. R.: The lower esophagus lined by columnar epithelium. *Surgery*. 1957; 41: S.881-894
- Benelli, R., Lorusso, G. et al.: Cytokines and chemokines as regulators of angiogenesis in health and disease. *Curr. Phar. Des.* 2006; 12: S.3101-3115
- Berse, B., Brown, L. F. et al.: Vascular permeability factor (vascular endothelial growth factor) gene is expressed differentially in normal tissues, macrophages, and tumors. *Mol. Biol. Cell*. 1992; 3: S.211-220
- Blot, W. J., Devesa, S. S. et al.: Rising incidence of adenocarcinoma of the esophagus and gastric cardia. *J. A. M. A.* 1991; 265: S.1287-1289
- Boch, J. A., Shields, H. M. et al.: Distribution of cytokeratin markers in Barrett's specialized columnar epithelium. *Gastroenterology*. 1997; 112: S.760-765
- Boenisch, T., Farmilo, A. J. et al.: *Handbuch Immunchemische Färbemethoden*. 3. Auflage. Carpinteria, CA, USA: DakoCytomation Corp., 2003:
- Botterweck, A. A. M., Schouten, L. J. et al.: Trends in incidence of adenocarcinoma of the oesophagus and gastric cardia in ten European countries. *Int. J. Epidemiol.* 2000; 29: S.645-654
- Brown, L. F., Berse, B. et al.: Expression of vascular permeability factor (vascular endothelial growth factor) and its receptors in adenocarcinomas of the gastrointestinal tract. *Cancer Res.* 1993; 19: S.4727-4735
- Brundler, M.-A., Harrison, J. A. et al.: Lymphatic vessel density in the neoplastic progression of Barrett's oesophagus to adenocarcinoma. *J. Clin. Pathol.* 2006; 59: S.191-195
- Campos, G. M. R., DeMeester, S. R. et al.: Predictive factors of Barrett esophagus. *Arch. Surg.* 2001; 136: S.1267-1273
- Carmeliet, P., Ferreira, V. et al.: Abnormal blood vessel development and lethality in

- embryos lacking a single VEGF allele. *Nature*. 1996; 380: S.435-442
- Casley-Smith, J. R. und Florey, H. W.: The structure of normal small lymphatics. *Q. J. Exp. Physiol. Cogn. Med. Sci.*. 1961; 46: S.101-106
- Cattoretti, G., Pileri, S. et al.: Antigen unmasking on formalin-fixed, paraffin-embedded tissue sections. *J. Pathol.*. 1993; 171: S.83-98
- Christen, S., Hagen, T. M. et al.: *Microbes and malignancy: infection as a cause of human cancers*. Oxford: Oxford University Press, 1999: S.35
- Connolly, D. T., Heuvelman, D. M. et al.: Tumor vascular permeability factor stimulates endothelial cell growth and angiogenesis. *J. Clin. Invest.*. 1989; 84: S.1470-1478
- Costa, C., Incio, J. und Soares, R.: Angiogenesis and chronic inflammation: cause or consequence?. *Angiogenesis*. 2007; 10: S.149-166
- Couvelard, A., Paraf, F. et al.: Angiogenesis in the neoplastic sequence of Barrett's esophagus. Correlation with VEGF expression. *J. Pathol.*. 2000; 192: S.14-18
- Dadras, S. S., Paul, T. et al.: Tumor lymphangiogenesis. *Am. J. Pathol.*. 2003; 162: S.1951-1960
- De Vries, C., Escobedo, J. A. et al.: The fms-like tyrosine kinase, a receptor for vascular endothelial growth factor. *Science*. 1992; 255: S.989-991
- Detmar, M., Brown, L. F. et al.: Overexpression of vascular permeability factor/vascular endothelial growth factor and its receptors in psoriasis. *J. Exp. Med.*. 1994; 180: S.1141-1146
- DeYoung, B. R., Swanson, P. E. et al.: CD31 immunoreactivity in mesenchymal neoplasms of the skin and subcutis. *J. Cutan. Pathol.*. 1995; 22: S.215-222
- Drinker, C. K. und Yoffey, J. M.: *Lymphatics, lymph and lymphoid tissue*. Cambridge, Mass: Harvard University Press, 1941:
- Eisen, G. M., Sandler, R. S. et al.: The relationship between gastroesophageal reflux disease and its complications with Barrett's esophagus. *Am. J. Gastroenterol.*. 1997; 92: S.27-31
- Faller, G., Borchard, F. et al.: Histopathological diagnosis of Barrett's mucosa and associated neoplasias: results of a consensus conference of the Working Group for Gastroenterological Pathology of the German Society for Pathology on 22 September 2001 in Erlangen. *Virchows Arch.*. 2003; 443: S.597-601

- Fan, F., Wey, J. S. et al.: Expression and function of vascular endothelial growth factor receptor-1 on human colorectal cancer cells. *Oncogene*. 2005; *24*: S.2647-2653
- Ferrara, N. und Henzel, W. J.: Pituitary follicular cells secrete a novel heparin-binding growth factor specific for vascular endothelial cells. *Biochem. Biophys. Res. Commun.* 1989; *161*: S.851-858
- Findlay, J. K.: Angiogenesis in reproductive tissues. *J. Endocrinol.* 1986; *111*: S.357-366
- Finley, J. C. W. und Petrusz, P.: The use of proteolytic enzymes for improved localization of tissue antigens with immunocytochemistry. Hrsg.: Bullock, G. R. und Petrusz, P.: *Techniques in immunocytochemistry*. Band Vol. 1. London: Academic Press, 1982: S.239-249
- Folberg, R., Hendrix, M. J. C. und Maniotis, A. J.: Vasculogenic mimicry and tumor angiogenesis. *Am. J. Pathol.* 2000; *156*: S.361-381
- Folkman, J.: Angiogenesis. Hrsg.: Jaffe, E. A.: *Biology of endothelial cells*. Boston, The Hague, Dordrecht: Martinus Nijhoff Publishers, 1984: S.412-428
- Folkman, J.: Tumor angiogenesis: therapeutic implications. *N. Engl. J. Med.* 1971; *285*: S.1182-1186
- Folkman, J., Cole, P. und Zimmerman, S.: Tumor behavior in isolated perfused organs: in vitro growth and metastases of biopsy material in rabbit thyroid and canine intestinal segment. *Ann. Surg.* 1966; *164*: S.491-502
- Fong, G. H., Zhang, L. et al.: Increased hemangioblast commitment, not vascular disorganization, is the primary defect in flt-1 knock-out mice. *Development*. 1999; *126*: S.3015-3025
- Fukumura, D., Xavier, R. et al.: Tumor induction of VEGF promoter activity in stromal cells. *Cell*. 1998; *94*: S.715-725
- Gerber, H.-P., Dixit, V. und Ferrara, N.: Vascular Endothelial Growth Factor Induces Expression of the Antiapoptotic proteins Bcl-2 and A1 in vascular endothelial cells. *J. Biol. Chem.* 1998; *273*: S.13313-13316
- Gille, H., Kowalski, J. et al.: Analysis of biological effects and signaling properties of Flt-1 (VEGFR-1) and KDR (VEGFR-2). *J. Biol. Chem.* 2001; *276*: S.3222-3230
- Gimbrone Jr., M. A., Cotran, R. S. et al.: Tumor growth and neovascularization: an ex-

- perimental model using the rabbit cornea. *J. Natl. Cancer Inst.* 1974; 52: S.413-427
- Gimbrone Jr., M. A., Leapman, S. B. et al.: Tumor dormancy in vivo by prevention of neovascularization. *J. Exp. Med.* 1972; 136: S.261-276
- Goldblum, J. R., Vicari, J. J. et al.: Inflammation and intestinal metaplasia of the gastric cardia: the role of gastroesophageal reflux and H. pylori infection. *Gastroenterology*. 1998; 114: S.633-639
- Goydos, J. S. und Gorski, D. H.: Vascular endothelial growth factor C mRNA expression correlates with stage of progression in patients with melanoma. *Clin. Cancer Res.* 2003; 9: S.5962-5967
- Graepler, F., Gregor, M. et al.: Antiangiogene Therapie gastrointestinaler Tumoren. *Z Gastroenterol*. 2005; 43: S.317-329
- Hamilton, S. R. und Smith, R. R. L.: The relationship between columnar epithelial dysplasia and invasive adenocarcinoma arising in Barrett's esophagus. *Am. J. Clin. Pathol.* 1987; 87: S.301-312
- Hattori, K., Heissig, B. et al.: Placental growth factor reconstitutes hematopoiesis by recruiting VEGFR1+ stem cells from bone-marrow microenvironment. *Nat. Med.* 2002; 8: S.841-849
- Hermanek, R. P. und Sobin, L. H.: UICC international union against cancer: TNM classification of malignant tumors. 4. London, England: Springer-Verlag, 1987: S.40-42
- Hirschi, K. K. und D'Amore, P. A.: Pericytes in the microvasculature. *Cardiovasc. Res.* 1996; 32: S.687-698
- Hoff, S. J., Sawyers, J. L. et al.: Prognosis of adenocarcinoma arising in Barrett's esophagus. *Ann. Thorac. Surg.* 1998; 65: S.176-181
- Hsu, S.-M., Raine, L. und Fanger, H.: Use of avidin-biotin-peroxidase complex (ABC) in immunoperoxidase techniques: a comparison between ABC and unlabeled antibody (PAP) procedures. *J. Histochem. Cytochem.* 1981; 29: S.577-580
- Ishida, A., Murray, J. et al.: Expression of vascular endothelial growth factor receptors in smooth muscle cells. *J. Cell. Physiol.* 2001; 188: S.359-368
- Jackson, D. G., Prevo, R. et al.: LYVE-1, the lymphatic system and tumor angiogenesis. *Trends Immunol.* 2001; 22: S.317-321

- Joukov, V., Pajusola, K. et al.: A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases. *EMBO J.* 1996; 15: S.290-298
- Junqueira, L. C. und Carneiro, J.: *Histologie. Vierte, korrigierte und aktualisierte Auflage.* Berlin, Heidelberg, New York: Springer-Verlag, 1996: S.484-485
- Jüttner, S. & Wißmann, C. et al.: Prognostic significance of Vascular Endothelial Growth Factor (VEGF) D and its receptor VEGFR-3 in gastric cancer. *J. Clin. Oncol.* 2006; 24: S.228-240
- Kanno, S., Oda, N. et al.: Roles of two VEGF receptors, Flt-1 and KDR, in the signal transduction of VEGF effects in human vascular endothelial cells. *Oncogene.* 2000; 19: S.2138-2146
- Karkkainen, M. J., Haiko, P. et al.: Vascular endothelial growth factor C is required for sprouting of the first lymphatic vessels from embryonic veins. *Nat. Immunol.* 2004; 5: S.74-80
- Kato, H., Yoshikawa, M. et al.: Expression of vascular endothelial growth factor (VEGF) and its receptors (Flt-1 and Flk-1) in esophageal squamous cell carcinoma. *Anti-cancer Res.* 2002; 22 (6C): S.3977-3984
- Katoh, O., Tauchi, H. et al.: Expression of the vascular endothelial growth factor (VEGF) receptor gene, KDR, in hematopoietic cells and inhibitory effect of VEGF on apoptotic cell death caused by ionizing radiation. *Cancer Res.* 1995; 55: S.5687-5692
- Kelly, D. P., Dewar, M. K. et al.: Cross-linking of amino acids by formaldehyde. Preparation and ¹³C NMR spectra of model compounds. Hrsg.: Friedman, M.: *Protein crosslinking. Symposium on protein crosslinking, San Francisco, 1976.* New York: Plenum Press, 1977: S.641
- Knighton, D., Ausprunk, D. et al.: Avascular and vascular phases of tumour growth in the chick embryo. *Br. J. Cancer.* 1977; 35: S.347-356
- Knudson, C. B.: Hyaluronan receptor-directed assembly of chondrocyte pericellular matrix. *J. Cell Biol.* 1993; 120: S.825-834
- Knudson, W., Biswas, C. et al.: The role and regulation of tumour-associated hyaluronan. *CIBA Found. Symp.* 1989; 143: S.150-169

- Koppert, L. B., Wijnhoven, B. P. L. et al.: The molecular biology of esophageal adenocarcinoma. *J Surg Oncol.* 2005; 92: S.169-190
- Kubik, S. und Manestar, M.: Anatomy of the lymph capillaries and pre-collectors of the skin. Hrsg.: Bollinger, A., Partsch, H. und Wolfe, J. H. N.: The initial lymphatics. Stuttgart: Georg Thieme Verlag, 1985: S.66-74
- Laurent, T. C. und Fraser, J. R. E.: Hyaluronan. *FASEB J.* 1992; 6: S.2397-2404
- Ley, K.: Pathways and bottlenecks in the web of inflammatory adhesion molecules and chemoattractants. *Immunol. Res.* 2001; 24: S.87-95
- Li, C.-Y., Ziesmer, S. C. und Lazcano-Villareal, O.: Use of azide and hydrogen peroxide as an inhibitor for endogenous peroxidase in the immunoperoxidase method. *J. Histochem. Cytochem.* 1987; 35: S.1457-1460
- Lippert, H.: Lehrbuch Anatomie. 5., völlig überarbeitete Auflage. München, Jena: Urban & Fischer Verlag, 2000: S.230-236
- Lord, R. V. N., Park, J. M. et al.: Vascular endothelial growth factor and basic fibroblast growth factor expression in esophageal adenocarcinoma and Barrett esophagus. *J. Thorac. Cardiovasc. Surg.* 2003; 125: S.246-253
- Mäkinen, T., Veikkola, T. et al.: Isolated lymphatic endothelial cells transduce growth, survival and migratory signals via the VEGF-C/D receptor VEGFR-3. *EMBO J.* 2001; 20: S.4762-4773
- Mandriota, S. J., Jussila, L. et al.: Vascular endothelial growth factor-C-mediated lymphangiogenesis promotes tumour metastasis. *EMBO J.* 2001; 20: S.672-682
- Mandriota, S. J., Seghezzi, G. et al.: Vascular endothelial growth factor increases urokinase receptor expression in vascular endothelial cells. *J. Biol. Chem.* 1995; 270: S.9709-9716
- Maula, S.-M., Luukkaa, M. et al.: Intratumoral lymphatics are essential for the metastatic spread and prognosis in squamous cell carcinomas of the head and neck region. *Cancer Res.* 2003; 63: S.1920-1926
- McDonald, D. M., Munn, L. und Jain, R. K.: Vasculogenic mimicry: how convincing, how novel, and how significant. *Am. J. Pathol.* 2000; 156: S.383-388
- Meister, B., Grunebach, F. et al.: Expression of vascular endothelial growth factor (VEGF) and its receptors in human neuroblastoma. *Eur. J. Cancer.* 1999; 35:

S.445-449

- Meyer, G. T., Matthias, L. J. et al.: Lumen formation during angiogenesis in vitro involves phagocytic activity, formation and secretion of vacuoles, cell death and capillary tube remodelling by different populations of endothelial cells. *Anat. Rec.* 1997; 249: S.327-340
- Mikkola, H. K. A. und Orkin, S. H.: The search for the hemangioblast. *J. Hematother. Stem Cell Res.* 2002; 11: S.9-17
- Millauer, B., Shawver, L. K. et al.: Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant. *Nature*. 1994; 367: S.576-579
- Möbius, C., Stein, H. J. et al.: The "angiogenic switch" in the progression from Barrett's metaplasia to esophageal adenocarcinoma. *EJSO*. 2003; 29: S.890-894
- Möbius, C., Stein, H. J. et al.: Vascular endothelial growth factor expression and neovascularization in Barrett's carcinoma. *World J. Surg.* 2004; 28: S.675-679
- Mueller, J., Werner, M. und Stolte, M.: Barrett's esophagus: histopathologic definitions and diagnostic criteria. *World J. Surg.* 2004; 28: S.148-154
- Muller, W. A., Ratti, C. M. et al.: A human endothelial cell-restricted, externally disposed plasmalemmal protein enriched in intercellular junctions. *J. Exp. Med.* 1989; 170: S.399-414
- Muller, Y. A., Li, B. et al.: Vascular endothelial growth factor: crystal structure and functional mapping of the kinase domain receptor binding site. *Proc. Natl. Acad. Sci. USA*. 1997; 94: S.7192-7197
- Naef, A. P., Savary, M. und Ozzello, L.: Columnar-lined lower esophagus: an acquired lesion with malignant predisposition. Report on 140 cases of Barrett's esophagus with 12 adenocarcinomas. *J. Thorac. Cardiovasc. Surg.* 1975; 70: S.826-835
- Nagy, J. A., Vasile, E. et al.: Vascular permeability factor/vascular endothelial growth factor induces lymphangiogenesis as well as angiogenesis. *J. Exp. Med.* 2002; 196: S.1497-1506
- Naldini, A. und Carraro, F.: Role of inflammatory mediators in angiogenesis. *Curr. Drug Targets Inflamm. Allergy*. 2005; 4: S.3-8
- Newman, P. J., Berndt, M. C. et al.: PECAM-1 (CD31) cloning and relation to adhesion molecules of the immunoglobulin gene superfamily. *Science*. 1990; 247: S.1219-

1222

- Öberg, S., Wenner, J. et al.: Barrett esophagus. Risk factors for progression to dysplasia and adenocarcinoma. *Ann. Surg.*. 2005; 242: S.49-54
- Olofsson, B., Korpelainen, E. et al.: Vascular endothelial growth factor B (VEGF-B) binds to VEGF receptor-1 and regulates plasminogen activator activity in endothelial cells. *Proc. Natl. Acad. Sci. USA.* 1998; 95: S.11709-11714
- Olszewski, W.: *Peripheral lymph: formation and immune function.* Boca Raton, FL: CRC Press Inc, 1985:
- Pajusola, K., Aprelikova, O. et al.: Signalling properties of FLT4, a proteolytically processed receptor tyrosine kinase related to two VEGF receptors. *Oncogene.* 1994; 9: S.3545-3555
- Paku, S. und Paweletz, N.: First steps of tumor-related angiogenesis. *Lab. Invest.*. 1991; 65: S.334-346
- Park, J. E., Chen, H. H. et al.: Placenta growth factor. Potentiation of vascular endothelial growth factor bioactivity, in vitro and in vivo, and high affinity binding to Flt-1 but not to Flk-1/KDR. *J. Biol. Chem.*. 1994; 269: S.25646-25654
- Parums, D. V., Cordell, J. L. et al.: JC70: a new monoclonal antibody that detects vascular endothelium associated antigen on routinely processed tissue sections. *J. Clin. Pathol.*. 1990; 43: S.752-757
- Paull, A., Trier, J. S. et al.: The histologic spectrum of Barrett's esophagus. *N. Engl. J. Med.*. 1976; 295: S.476-480
- Pepper, M. S., Ferrara, N. et al.: Vascular endothelial growth factor (VEGF) induces plasminogen activators and plasminogen activator inhibitor-1 in microvascular endothelial cells. *Biochem. Biophys. Res. Commun.*. 1991; 181: S.902-906
- Pera, M., Cameron, A. J. et al.: Increasing incidence of adenocarcinoma of the esophagus and esophagogastric junction. *Gastroenterology.* 1993; 104: S.510-513
- Pettersson, A., Nagy, J. A. et al.: Heterogeneity of the angiogenic response induced in different normal adult tissues by vascular permeability factor/vascular endothelial growth factor. *Lab. Invest.*. 2000; 80: S.99-115
- Prehm, P.: Identification and regulation of the eucaryotic hyaluronate synthase. Hrsg.: Ciba Foundation Symposium 143: The biology of hyaluronan. Chichester, Eng-

- land: Wiley, 1989: S.21-40
- Price, D. J., Miralem, T. et al.: Role of vascular endothelial growth factor in the stimulation of cellular invasion and signaling of breast cancer cells. *Cell Growth Differ.* 2001; 12: S.129-135
- Quinn, T. P., Peters, K. G. et al.: Fetal liver kinase 1 is a receptor for vascular endothelial growth factor and is selectively expressed in vascular endothelium. *Proc. Natl. Acad. Sci. USA.* 1993; 90: S.7533-7537
- Reid, B. J., Haggitt, R. C. et al.: Observer variation in the diagnosis of dysplasia in Barrett's esophagus. *Hum. Pathol.* 1988a; 19: S.166-178
- Reyes, M., Dudek, A. et al.: Origin of endothelial progenitors in human postnatal bone marrow. *J. Clin. Invest.* 2002; 109: S.337-346
- Risau, W.: Mechanisms of angiogenesis. *Nature.* 1997; 386: S.671-674
- Risau, W., Sariola, H. et al.: Vasculogenesis and angiogenesis in embryonic-stem-cell-derived embryoid bodies. *Development.* 1988; 102: S.471-478
- Rousseau, S., Houle, F. et al.: p38 MAP kinase activation by vascular endothelial growth factor mediates actin reorganization and cell migration in human endothelial cells. *Oncogene.* 1997; 15: S.2169-2177
- Rusznayk, I., Foldi, M. und Szabo, G.: Lymphatics and lymph circulation: physiology and pathophysiology. Oxford: Pergamon, 1960:
- Sabin, F. R.: Studies of the origin of blood vessels and of red corpuscles as seen in the living blastoderm of the during second day of incubation. *Contrib. Embryol.* 1920; 9: S.213-262
- Sampliner, R. E. und das Practice Parameters Committee of the American College of Gastroenterology: Practice guidelines on the diagnosis, surveillance, and therapy of Barrett's esophagus. *Am. J. Gastroenterol.* 1998; 93: S.1028-1032
- Saubier, E. C., Gouillat, C. et al.: Adenocarcinoma in columnar-lined Barrett's esophagus. *Am. J. Surg.* 1985; 150: S.365-369
- Sawano, A., Iwai, S. et al.: Flt-1, vascular endothelial growth factor receptor 1, is a novel cell surface marker for the lineage of monocyte-macrophages in humans. *Blood.* 2001; 97: S.785-791
- Shi, S.-R., Key, M. E. und Kalra, K. L.: Antigen retrieval in formalin-fixed, paraffin-

- embedded tissues: an enhancement method for immunohistochemical staining based on microwave oven heating of tissue sections. *J. Histochem. Cytochem.* 1991; 39: S.741-748
- Stacker, S. A., Caesar, C. et al.: VEGF-D promotes the metastatic spread of tumor cells via the lymphatics. *Nat. Med.* 2001; 7: S.186-191
- Stillman, A. E. und Selwyn, J. I.: Primary adenocarcinoma of the esophagus arising in a columnar-lined esophagus. *Am. J. Dig. Dis.* 1975; 20: S.577-582
- Storkebaum, E., Lambrechts, D. und Carmeliet, P.: VEGF: once regarded as a specific angiogenic factor, now implicated in neuroprotection. *BioEssays.* 2004; 26: S.943-954
- Terman, B. I., Dougher-Vermazen, M. et al.: Identification of the KDR tyrosine kinase as a receptor for vascular endothelial cell growth factor. *Biochem. Biophys. Res. Commun.* 1992; 187: S.1579-1586
- Tian, X., Song, S. et al.: Vascular endothelial growth factor: acting as an autocrine growth factor for human gastric adenocarcinoma cell MGC803. *Biochem. Biophys. Res. Commun.* 2001; 286: S.505-512
- Tileston W.: Peptic ulcer of the esophagus. *Am. J. Med. Sci.* 1906; 132: S.240-265
- Tischer, E., Mitchell, R. et al.: The human gene for vascular endothelial growth factor. *J. Biol. Chem.* 1991; 266: S.11947-11954
- Torres, C., Wang, H. et al.: Prognostic significance and effect of chemoradiotherapy on microvessel density (angiogenesis) in esophageal Barrett's esophagus-associated adenocarcinoma and squamous cell carcinoma. *Hum. Pathol.* 1999; 30: S.753-758
- Tsuji, M., Kawano, S. et al.: Cyclooxygenase regulates angiogenesis induced by colon cancer cells. *Cell.* 1998; 93: S.705-716
- Unemori, E. N., Ferrara, N. et al.: Vascular endothelial growth factor induces interstitial collagenase expression in human endothelial cells. *J. Cell Physiol.* 1992; 153: S.557-562
- Valtola, R., Salven, P. et al.: VEGFR-3 and its ligand VEGF-C are associated with angiogenesis in breast cancer. *Am. J. Pathol.* 1999; 154: S.1381-1390
- Veikkola, T., Lohela, M. et al.: Intrinsic versus microenvironmental regulation of lym-

- phatic endothelial cell phenotype and function. *FASEB J.* 2003; 17: S.2006-2013
- Vermeulen, P. B., Gasparini, G. et al.: Quantification of angiogenesis in solid human tumors: an international consensus on the methodology and criteria of evaluation. *Eur. J. Cancer.* 1996; 32A: S.2474-2484
- Von Marschall, Z., Cramer, T. et al.: De novo expression of vascular endothelial growth factor in human pancreatic cancer: evidence for an autocrine mitogenic loop. *Gastroenterology.* 2000; 119: S.1358-1372
- Waltenberger, J., Claesson-Welsh, L. et al.: Different signal transduction properties of KDR and Flt1, two receptors for vascular endothelial growth factor. *J. Biol. Chem.* 1994; 269: S.26988-26995
- Weidner, N., Semple, J. P. et al.: Tumor angiogenesis and metastasis - correlation in invasive breast carcinoma. *N. Engl. J. Med.* 1991; 324: S.1-8
- Weinstein, W. M. und Ippoliti, A. F.: The diagnosis of Barrett's esophagus: goblets, goblets, goblets. *Gastrointest. Endosc.* 1996; 44: S.91-95
- Winters Jr., C., Spurling, T. J. et al.: Barrett's esophagus. A prevalent, occult complication of gastroesophageal reflux disease. *Gastroenterology.* 1987; 92: S.118-124
- Wood, G. S. und Warnke, R.: Suppression of endogenous avidin-binding activity in tissues and its relevance to biotin-avidin detection systems. *J. Histochem. Cytochem.* 1981; 29: S.1196-1204
- Yamada, Y., Nezu, J.-I. et al.: Molecular cloning of a novel vascular endothelial growth factor, VEGF-D. *Genomics.* 1997; 42: S.483-488
- Yang, K. und Cepko, C. L.: Flk-1, a receptor for vascular endothelial growth factor (VEGF), is expressed by retinal progenitor cells. *J. Neurosci.* 1996; 16: S.6089-6099
- Zhukova, L. G., Zhukov, N. V. und Lichinitser, M. R.: Expression of Flt-1 and Flk-1 receptors for vascular endothelial growth factor on tumor cells as a new prognostic criterion for locally advanced breast cancer. *Bull. Exp. Biol. Med.* 2003; 135: S.478-481