

7. SCHRIFTTUM

ADAMS, S.A.; S.L. KELLY; R.E. KIRSCH; S.C. ROBSON; E.G. SHEPHARD (1995): Role of neutrophil membrane proteases in fibrin degradation. *Blood Coagulation and Fibrinolysis* **6**: 693-702

AL-MONDHIRI, H.; V. MCGARVEY; K. LEITZEL (1983): Interaction of human tumor cells with human platelets and the coagulation system. *Thrombosis and Haemostasis* **50**: 726-730

AMBRUS, J.L.; C.M. AMBRUS; I.B. MINK; J.W. PICKREN (1975): Causes of death in cancer patients. *Journal of Medicine* **6**: 61-64

AMIRKHOSRAVI, M.; J.L. FRANCIS (1995): Coagulation activation by MC28 fibrosarcoma cells facilitates lung tumor formation. *Thrombosis and Haemostasis* **73**: 59-65

ARANDA, F.I.; J.B. LAFORGA (1996): Microvessel quantitation in breast ductal invasive carcinoma. *Pathology, Research and Practice* **192**, 124-129

ARNICKE, U. (1999): Mammatumoren bei der Hündin: Immunhistochemischer Nachweis von Metastasen und Mikrometastasen im Axillarymphknoten und im Knochen. *Berlin: Freie Universität, Fachbereich Veterinärmedizin, Dissertation*

BACH-GANSMO, E.T.; S. HALVORSEN; H.C. GODAL; O.H. SKJONBERG (1994): Degradation of the alpha-chain of fibrin by human neutrophil elastase reduces the stimulating effect of fibrin on plasminogen activation. *Thrombosis Research* **75**: 307-317

BAKER, J.R. (1958): Principles of Biological Microtechnique. *Methuen, London*. zitiert nach: Shoobridge, M.P.K. (1983)

BARDOS, H.; P. MOLNAR; G. CSECSEI; R. ADANY (1996): Fibrin deposition in primary and metastatic human brain tumours. *Blood Coagulation and Fibrinolysis* **7**: 536-548

BARENDZ-JANSON, A.F.; A.D. MULLER; H.H. LICHTENBELD; M.C. VAN DAMMIERAS; H.F. HILLEN (1998): Cellular arrangement of human breast cancer cell lines determines hemostatic parameters. *Tumour Biology* **19**: 104-112

BARON, J.A.; G. GRIDLEY; E. WEIDERPASS; O. NYREN; M. LINET (1998): Venous thrombembolism and cancer. *Lancet* **351**: 1077-1080

BASTIANELLO, S.S. (1983): A survey on neoplasia in domestic species over a 40-year period from 1935 to 1974 in the Republic of South Africa. VI. Tumours occurring in dogs. *Onderstepoort Journal of Veterinary Research* **50**, 199-220

BEANEY, R.P.; A.A. LAMMERTSMA; T. JONES; C.G. MCKENZIE; K.E. HALNAN (1984): Positron emission tomography for in-vivo measurement of regional blood flow, oxygen utilisation, and blood volume in patients with breast carcinoma. *Lancet* **1(8369)**: 131-134

BELLOC, C.; H. LU; C. SORIA; R. FRIDMAN; Y. LEGRAND, S. MENASHI (1995): The effect of platelets on invasiveness and protease production of human mammary tumor cells. *International Journal of Cancer* **60**: 413-417

BINI, A.; J. FENOGLIO Jr.; J. SOBEL; J. OWEN; M. FEJGL; K.L. KAPLAN (1987): Immunochemical characterization of fibrinogen, fibrin I, and fibrin II in human thrombi and atherosclerotic lesions. *Blood* **69**: 1038-1045

- BIRKEN, S.; G.D. WILNER; R.E. CANFIELD (1975): Studies of the structure of canine fibrinogen. *Thrombosis Research* **7**: 599-610
- BÖCK, P. (Hrsg.) (1989): Färben der Schnitte. In: *Romeis mikroskopische Technik, 17. Aufl., Urban & Schwarzenberg, München-Wien-Baltimore*, 179-249
- BOENISCH, T. (1989a): Enzyme, eine Einführung. In: *Naish, S.J. (Hrsg.): Handbuch II immunchemischer Färbemethoden, DAKO® Diagnostika GmbH, Hamburg*, 18-21
- BOENISCH, T. (1989b): Färbemethoden. In: *Naish, S.J. (Hrsg.): Handbuch II immunchemischer Färbemethoden, DAKO® Diagnostika GmbH, Hamburg*, 22-27
- BOOTH, N.A.; B. BENNETT (1994): Fibrinolysis and thrombosis. *Baillieres Clinical Haematology* **7**: 559-572
- BOSTOCK, D.E. (1975): The prognosis following the surgical excision of canine mammary neoplasms. *European Journal of Cancer* **11**: 389-396
- BOSTOCK, D.E. (1976): The prognosis in canine mammary neoplasia. *Veterinary Annual* **16**: 194-198
- BOUCHET, C.; F. SPYRATOS; P.M. MARTIN; K. HACÈNE; A. GENTILE; J. OGLOBINE (1994): Prognostic value of urokinase-type plasminogen activator (uPA) and plasminogen activator inhibitors PAI-1 and PAI-2 in breast carcinomas. *British Journal of Cancer* **69**: 398-405
- BROWN, L.F.; B. ASCH; V.S. HARVEY; B. BUCHINSKI, H.F. DVORAK (1988a): Fibrinogen influx and accumulation of cross-linked fibrin in mouse carcinomas. *Cancer Research* **48**: 1920-1925
- BROWN, L.F.; B. BERSE; R.W. JACKMAN; K. TOGNAZZI; A.J. GUIDI; H.F. DVORAK; D.R. SENGER; J.L. CONNOLLY; S.J. SCHNITT (1995): Expression of vascular permeability factor (vascular endothelial growth factor) and its receptors in breast cancer. *Human Pathology* **26**: 86-91
- BROWN, L.F.; L. VANDEWATER; V.S. HARVEY; H.F. DVORAK (1988b): Fibrinogen influx and accumulation of cross-linked fibrin in healing wounds and in tumour stroma. *American Journal of Pathology* **130**: 455-465
- BROZMAN, M. (1978): Immunohistochemical analysis of formaldehyde- and trypsin- or pepsin-treated material. *Acta Histochemica* **63**, 251-260
- BÜHL, A.; P. ZÖFEL (1998): SPSS Version 8. Einführung in die moderne Datenanalyse unter Windows. 4. Auflage, Addison Wesley Longman
- BUSCH, U. (1993): Immunhistochemischer Nachweis von okkulten Tumorzellemboli und Mikrometastasen in den regionären Lymphknoten beim kaninen Mammakarzinom sowie eine postoperative Studie am Mammakarzinom operierter Hündinnen. Berlin: Freie Universität, Fachbereich Veterinärmedizin, Dissertation
- CHEN, J.P.; H.T. HUTCHINSON; L.B. NANNINGA; M.M.GUEST (1975): Characterization of the terminal degradation products of canine fibrinogen by plasmin. *Biochimica et Biophysica Acta* **386**: 69-79

- CLAUSS, M.; J.C. MURRAY; M. VIANNA; R. DE WAAL; G. THURSTON; P. NAWROTH; H. GERLACH; M. GERLACH; R. BACH; P.C. FAMILIETTI; D. STERN (1990): A polypeptide factor produced by fibrosarcoma cells that induces endothelial tissue factor and enhances the procoagulant response to tumor necrosis factor/cachectin. *Journal of Biological Chemistry* **265**: 7078-7083
- CONTRINO, J.; S. GORALNICK, J. QI; G. HAIR; F.R. RICKLES; D.L. KREUTZER (1997): Fibrin induction of tissue factor expression in human vascular endothelial cells. *Circulation* **96**: 605-613
- CONTRINO, J.; G. HAIR; D.L. KREUTZER; F.R. RICKLES (1996): In situ detection of tissue factor in vascular endothelial cells: correlation with the malignant phenotype of human breast disease. *Nature Medicine* **2**: 209-215
- CORDELL, J.L., FALINI, B., ERBER, W.N., GHOSH, A.K., ABDULAZIZ, Z., MACDONALD, S., PULFORD, K.A.F., STEIN, H. AND MASON, D.Y. (1984): Immunoenzymatic labeling of monoclonal antibodies using immune complexes of alkaline phosphatase and monoclonal anti-alkaline phosphatase (APAAP complexes). *Journal of Histochemistry and Cytochemistry* **32**: 219-229.
- COSTANTINI, V.; L.R. ZACHARSKI, V.A. MEMOLI; B.J. KUDRYK; S.M. ROUSSEAU; D.C. STUMP (1991a): Occurrence of components of fibrinolysis pathways in situ in neoplastic and nonneoplastic human breast tissue. *Cancer Research* **51**: 354-358
- COSTANTINI, V.; L.R. ZACHARSKI, V.A. MEMOLI; W. KISIEL; B.J. KUDRYK; S.M. ROUSSEAU (1991b): Fibrinogen deposition without thrombin generation in primary human breast cancer tissue. *Cancer Research* **51**: 349-353
- COSTANTINI, V. und L.R. ZACHARSKI (1993): Fibrin and Cancer. *Thrombosis and Haemostasis* **69**: 406-414
- DAMJANOVICH, L.; C. TURZÓ; R. ÁDÁNY (1994): Factors involved in the plasminogen activation system in human breast tumours. *Thrombosis and Haemostasis* **71(6)**: 684-691
- DE JONG, J.S.; P.J. VAN DIEST; P. VAN DER VALK; J.P.A. BAAK (1998): Expression of growth factors, growth-inhibiting factors, and their receptors in invasive breast cancer. II: Correlations with proliferation and angiogenesis. *Journal of Pathology* **184**: 53-57
- DE KOSSODO, S; R. MOORE; S. GSCHMEISSNER; N. EAST; C. UPTON; F.R. BALKWILL (1995): Changes in endogenous cytokines, adhesion molecules and platelets during cytokine-induced tumour necrosis. *British Journal of Cancer* **72**: 1165-1172
- DENK, H. (1989): Immunhistochemische Färbemethoden. In: Böck, P. (Hrsg.): *Romeis mikroskopische Technik, 17. Aufl., Urban & Schwarzenberg, München-Wien-Baltimore*, 251-261
- DEWHIRST, M.W.; E.T. ONG; B. KLITZMAN; T.W. SECOMB; R.Z. VINUYA; R. DODGE; D. BRIZEL; J.F. GROSS (1992): Perivascular oxygen tensions in a transplantable mammary tumor growing in a dorsal flap window chamber. *Radiation Research* **130**: 171-182
- DONATI, M.B. (1995): Cancer and thrombosis: from phlegmasia alba dolens to transgenic mice. *Thrombosis and Haemostasis* **74**: 278-281
- DOOLITTLE, R.F. (1987): Fibrinogen and Fibrin. In: Bloom, A.L. und D.P. Thomas (Hrsg.): *Haemostasis and Thrombosis, 2nd edition, Churchill Livingstone, Edinburgh-London-Melbourne-New York*, 192-222

DRAKE, T.A.; J.H. MORRISSEY; T.S. EDGINGTON (1989): Selective cellular expression of tissue factor in human tissues. *American Journal of Pathology* **134**: 1087-1097

DVORAK, A.M.; S. KOHN; E.S. MORGAN; P.FOX; J.A. NAGY; H.F. DVORAK(1996): The vesiculo-vacuolar organelle (VVO): a distinct endothelial cell structure that provides a transcellular pathway for macromolecular extravasation. *Journal of Leukocyte Biology* **59**: 100-115

DVORAK, H.F. (1986): Tumors: wounds that do not heal. *New England Journal of Medicine* **315**: 1650-1659

DVORAK, H.F. (1987): Thrombosis and Cancer. *Human Pathology* **18**: 275-284

DVORAK, H.F.; L.F. BROWN; M. DETMAR; A.M. DVORAK (1995): Vascular permeability factor/vascular endothelial growth factor, microvascular hyperpermeability, and angiogenesis. *American Journal of Pathology* **146**: 1029-1039

DVORAK, H.F.; G.R. DICKERSIN; A.M. DVORAK; E.J. MANSEAU; K. PYNE (1981): Human breast carcinoma: fibrin deposition and desmoplasia. Inflammatory cell type and distribution. Microvasculature and infarction. *Journal of the National Cancer Institute* **67**: 335-345

DVORAK, H.F.; A.M. DVORAK; E.J. MANSEAU; L. WIBERG; W.H. CHURCHILL (1979): Fibrin gel investment associated with line 1 and line 10 solid tumor growth, angiogenesis, and fibroplasia in guinea pigs. Role of cellular immunity, myofibroblasts, microvascular damage, and infarction in line 1 tumor regression. *Journal of the National Cancer Institute* **62**: 1459-1472

DVORAK, H.F.; V.S. HARVEY; J. MCDONAGH (1984): Quantitation of fibrinogen influx and fibrin deposits and turnover in line 1 and line 10 guinea pig carcinomas. *Cancer Research* **44**: 3348-3354

DVORAK, H.F.; J.A. NAGY; D. FENG; L.F. BROWN; A.M. DVORAK (1999): Vascular permeability factor/ vascular endothelial growth factor and the significance of microvascular hyperpermeability in angiogenesis. *Current topics in Microbiology and Immunology* **237**: 97-132

DVORAK, H.F.; D.R. SENGER; A.M. DVORAK; V.S. HARVEY; J. MCDONAGH (1985): Regulation of extravasacular coagulation by microvascular permeability. *Science* **227**, 1059-61

EDGELL, T.; F. MCEVOY; P. WEBBON; P.J. GAFFNEY (1996): Monoclonal antibodies to human fibrin: Interaction with other animal fibrins. *Thrombosis and Haemostasis* **75**: 595-599

ESKENS, U. (1983): Statistische Untersuchungen über nach den Empfehlungen der Weltgesundheitsorganisation (WHO) klassifizierten Geschwülsten des Hundes unter besonderer Berücksichtigung der Mamma- und Hauttumoren. *Gießen: Fachbereich Veterinärmedizin, Dissertation*

FANTON, J.W.; S.J. WITHROW (1981): Canine mammary neoplasia: An overview. *California Veterinarian* **35(7)**: 12-16

FELDMAN, B.F.; B.R. MADEWELL; S. O'NEILL (1981): Disseminated intravascular coagulation: antithrombin, plasminogen, and coagulation abnormalities in 41 dogs. *Journal of the American Veterinary Medical Association* **179**: 151-154

FIDLER, I.J.; R.S. BRODEY (1967): A necropsy study of canine mammary neoplasms. *Journal of the American Veterinary Medical Association* **151**: 710-715

- FISHER, E.R.; A.S. PALEKAR; R.M. GREGORIO; C. REDMONT; B. FISHER (1978): Pathological findings from the national surgical adjuvant breast project (protocol no. 4). IV. Significance of tumor necrosis. *Human Pathology* **9**: 523-30
- FOLKMAN, J; P. COLE; S. ZIMMERMAN (1966): Tumour behaviour in isolated perfused organs: In vitro growth and metastasis of biopsy material in rabbit thyroid and canine intestinal segment. *Annals of Surgery* **164**: 491-502
- FOLKMAN, J. (1971): Tumor angiogenesis: Therapeutic implications. *New England Journal of Medicine* **285**: 1182-1186
- FOLKMAN, J. (1996): Tumor angiogenesis and tissue factor. *Nature Medicine* **2**: 167-168
- FOX, S.B.; K.C. GATTER; A.L. HARRIS (1996): Tumour angiogenesis. *Journal of Pathology* **179**: 232-237
- GARVEY, W.; A. FATHI; F. BIGELOW; B. CARPENTER; C. JIMINEZ (1987): A combined elastic, fibrin and collagen stain. *Stain Technology* **62**: 365-368
- GE, M.; T.J. RYAN; H. LUM; A.B. MALIK (1991): Fibrinogen degradation product fragment D increases endothelial monolayer permeability. *American Journal of Physiology* **261**: L 283-289
- GERTLER, J.P.; D.A. WEIBE; V.H. OCASIO; W.M. ABBOTT (1991): Hypoxia induces procoagulant activity in cultured human venous endothelium. *Journal of Vascular Surgery* **13**: 428-433
- GILBERTSON, S.R.; I.D. KURZMAN; R.E. ZACHRAU; A.I. HURVITZ; M.M. BLACK (1983): Canine mammary epithelial neoplasms: Biologic implications of morphologic characteristics assessed in 232 dogs. *Veterinary Pathology* **20**: 127-142
- GOLDSTEIN, N.S.; A. MANI; F. VICINI; J. INGOLD (1999): Prognostic features in patients with stage T1 breast carcinoma and a 0.5-cm or less lymph node metastasis. *American Journal of Clinical Pathology* **11**: 21-28
- GOLOMBIEWSKI, A.; K. GUTBERLET, R. RUDOLPH (1997): Immunohistological assessment of fibrin deposition and thrombus formation in canine mammary neoplasia. *Journal of Comparative Pathology* **117**: 177-183
- GOODNIGHT, S.H. Jr. (1974): Bleeding and intravascular clotting in malignancy: a review. *Annals of the New York Academy of Sciences* **230**: 271
- GORELIK, E.; W.W. BEERE; R.B. HERBERMAN (1984): Role of NK cells in the antimetastatic effect of anticoagulant drugs. *International Journal of Cancer* **33**: 87-94
- GRAHAM, C.H.; J. FORSDIKE; C.J. FITZGERALD; S. MCDONALD-GOODFELLOW (1999): Hypoxia-mediated stimulation of carcinoma cell invasiveness via upregulation of urokiase receptor expression. *International Journal of Cancer* **80**: 617-23
- GRIGNANI, G.; A. FALANGA; L. PACCHIARINI, M.G. ALESSIO; M. ZUCHELLA; P. FRANTINO; M.B. DONATI (1988): Human breast and colon carcinomas express cysteine proteinase activities with pro-aggregating and pro-coagulant properties. *International Journal of Cancer* **42**: 554-557

GRØHND AHL-HANSEN, J.; I.J. CHRISTENSEN; C. ROSENQUIST; N. BRÜNNER; H.T. MOURIDSEN; K. DANØ; M. BLICHERT-TOFT (1993): High levels of urokinase-type plasminogen activator and its inhibitor PAI-1 in cytosolic extracts of breast carcinomas are associated with poor prognosis. *Cancer Research* **53**: 2513-2521

GRUNDMANN, E. (1984): Die lymphogene Metastasierung. *Verhandlungen der Deutschen Gesellschaft für Pathologie* **68**: 33-46

GUIDI, A.J.; L. FISCHER; J.R. HARRIS; S.J. SCHNITT (1994): Microvessel density and distribution in ductal carcinoma in situ of the breast. *Journal of the National Cancer Institute* **86**: 614-619

GUNJI, Y.; E. GORELIK (1988): Role of fibrin coagulation in protection of murine tumor cells from destruction by cytotoxic cells. *Cancer Research* **48**: 5216-5221

GÜNZEL-APEL, A.R.; M. HAYER; R. MISCHKE; W. WIRTH; H.O. HOPPEN (1997): Dynamics of haemostasis during the oestrus cycle and pregnancy in bitches. *Journal of Reproduction and Fertility, Supplement* **51**: 185-193

GUTBERLET, K. (1994): Mammatumoren bei Hunden: Immunhistochemische Darstellung von Gefäßendothel bei Krebszelleinbrüchen und Überarbeitung der WHO-Klassifikation. Berlin: Freie Universität, Fachbereich Veterinärmedizin, Dissertation

HAMPE, J.F.; W. MISDORP (1974): Tumours and dysplasias of the mammary gland. *Bulletin of the World Health Organization* **50**: 111-133

HARA, Y.; M. STEINER; M.G. BALDINI (1980): Platelets as a source of growth-promoting factor(s) for tumor cells. *Cancer Research* **40**: 1212-1216

HARGIS, A.M.; B.F. FELDMAN (1991): Evaluation of hemostatic defects secondary to vascular tumors in dogs: 11 cases (1983-1988). *Journal of the American Veterinary Medical Association* **198**: 891-894

HARMS, D.; H. LEHMANN (1969): Untersuchungen über die periphere Mikrothrombose in einem unausgewählten Sektionsgut. *Virchows Archiv Abt. A* **347**: 57-68

HEUSERMANN, U.; I. BRANDENBURG (1985): Fibrinablagerungen in malignen Non-Hodgkin-Lymphomen der Milz. *Verhandlungen der Deutschen Gesellschaft für Pathologie* **69**: 568

HIMMELREICH, G.; H. RIESS (1991): Klinische Bedeutung des Fibrinolyse systems. *Deutsche Medizinische Wochenschrift* **116**: 426-430

HLATKY, L.; C. TSIONOU; P. HAHNFELDT; C.N. COLEMAN (1994): Mammary fibroblasts may influence breast tumor angiogenesis via hypoxia-induced vascular endothelial growth factor up-regulation and protein expression. *Cancer Research* **54**: 6083-6086

HORAK, E.R.; A.L. HARRIS; N. STUART; R. BICKNELL (1993): Angiogenesis in breast cancer. Regulation, prognostic aspects, and implications for novel treatment strategies. *Annals of the New York Academy of Sciences* **698**: 71-84

HOYLAERTS, M.; D.C. RIJKEN; H.R. LIJNEN; D. COLLEN (1982): Kinetics of the activation of plasminogen by human tissue plasminogen activator. Role of fibrin. *Journal of Biological Chemistry* **257**: 2912-2919

IDELL, S.; S. PUEBLITZ; S. EMRI; Y. GUNGEN; L. GRAY; A. KUMAR; D. HOLIDAY; K.B. KOENIG; A.R. JOHNSON (1995): Regulation of fibrin deposition by malignant mesothelioma. *American Journal of Pathology* **147**: 1318-1329

JÄNICKE, F.; L. PACHE; M. SCHMITT; K. ULM; C. THOMSEN; A. PRECHTL; H. GRAEFF (1994): Both the cytosols and detergent extracts of breast cancer tissues are suited to evaluate the prognostic impact of the urokinase-type plasminogen activator and its inhibitor, plasminogen activator inhibitor type 1. *Cancer Research* **54**, 2527-2530

JAIN, R.K. (1988): Determinants of tumor blood flow: A review. *Cancer Research* **48**: 2641-2658

JAIN, R.K.; L.T. BAXTER (1988): Mechanisms of heterogeneous distribution of monoclonal antibodies and other macromolecules in tumors: significance of elevated interstitial pressure. *Cancer Research* **48**: 7022-7032

JØRGENSEN, L.; H.C. ROWSELL; T. HOVIG; J.F. MUSTARD (1967): Resolution and organization of platelet-rich mural thrombi in carotid arteries of swine. *American Journal of Pathology* **51**: 681-719

KADISH, J.; C.E. BUTTERFIELD; J. FOLKMAN (1979): The effect of fibrin on cultured vascular endothelial cells. *Tissue & Cell* **11**: 99-108

KAMMERMANN, B.; J. GMÜR; H. STÜNZI (1971): Afibrinogenämie beim Hund. *Zentralblatt für Veterinärmedizin Reihe A* **18**: 192-205

KIES, M.S.; J.J. POSCH; J.P. GIOLMA; R.N. RUBIN (1980): Hemostatic function in cancer patients. *Cancer* **46**: 831-837

KINJO, M. (1978): Lodgement and extravasation of tumour cells in blood-borne metastasis: An electron microscope study. *British Journal of Cancer* **38**: 293-301

KOEHN, J.A.; A. HURLET-JENSEN; H.L. NOSSEL; R.E. CANFIELD (1983): Sequence of plasmin proteolysis at the NH₂-terminus of the b beta-chain of human fibrinogen. *Analytical Biochemistry* **133**: 502-510

KOZWICH, D.L.; L.C. KRAMER; W.P. MIELICKI; S.S. FOTOPOULOS; S.G. GORDON (1994): Application of cancer procoagulant as an early detection tumor marker. *Cancer* **74**: 1367-1376

KRSTIC, R.V. (1984): Illustrated Encyclopedia of Human Histology. *Springer Verlag Berlin - Heidelberg - New York - London - Paris - Tokyo*

KURZMAN, I.D.; S.R. GILBERTSON (1986): Prognostic factors in canine mammary tumors. *Seminars in Veterinary Medicine and Surgery (Small Animal)* **1**: 25-32

LADEWIG, P. (1938): Über eine einfache und vielseitige Bindegewebsfärbung (Modifikation der Mallory-Heidenhainschen Methode). *Zeitschrift für Mikroskopische Technik* **55**: 215-217

LANIR, N.; P.S. CIANO; L. VANDEWATER; J. MCDONAGH; A.M. DVORAK; H.F. DVORAK (1988): Macrophage migration in fibrin gel matrices. II. Effects of clotting factor XIII, fibronectin, and glycosaminoglycan content on cell migration. *Journal of Immunology* **140**: 2340-2349

LAWSON, C.A., S.D. YAN; S.F. YAN; H. LIAO; Y.S. ZHOU; J. SOBEL; W. KISIEL; D.M. STERN; D.J. PINSKY (1997): Monocytes and tissue factor promote thrombosis in a murine model of oxygen deprivation. *Journal of Clinical Investigation* **99**: 1729-1738

LENDRUM, A.C.; D.S. FRASER; W. SLIDDERS; R. HENDERSON (1962): Studies on the character and staining of fibrin. *Journal of Clinical Pathology* **15**: 401-413

LESS, J.R.; T.C. SKALAK; E.M. SEVICK; R.K. JAIN (1991): Microvascular architecture in a mammary carcinoma: Branching patterns and vessel dimensions. *Cancer Research* **51**: 265-273

LOCHER, G.W. (Ludwig Breast Cancer Study Group) (1984): Prognostische Faktoren bei operablen Mammakarzinomen mit axillären Lymphknotenmetastasen: Bedeutung der histologischen Tumortypisierung. *Verhandlungen der Deutschen Gesellschaft für Pathologie* **68**: 443

LUTHER, T.; C. FLÖSSEL; S. ALBRECHT; M. KOTZSCH; M. MÜLLER (1996): Tissue factor expression in normal and abnormal mammary gland. *Nature Medicine* **2**: 491

LUZZATTO, G.; A.I. SCHAFER (1990): The prethrombotic state in cancer. *Seminars in Oncology* **17**: 147-159

MADEWELL, B.R.; B.F. FELDMAN; S. O'NEILL (1980): Coagulation abnormalities in dogs with neoplastic disease. *Thrombosis and Haemostasis* **44**: 35-38

MANTYLA, M.J. (1979): Regional blood flow in human tumors. *Cancer Research* **39**: 2304-2306

MARDER, V.J.; N.R. SHULMAN (1969): High molecular weight derivatives of human fibrinogen produced by plasmin. II. mechanism of their anticoagulant activity. *Journal of Biological Chemistry* **244**: 2120-2124

MARINHO, A.; R. SOARES; J. FERRO; M. LACERDA; F.C. SCHMITT (1997): Angiogenesis in breast cancer is related to age but not to other prognostic parameters. *Pathology Research and Practice* **193**: 267-273

MASON, J.T.; T.J. O'LEARY (1991): Effects of formaldehyde fixation on protein secondary structure: A calorimetric and infrared spectroscopic investigation. *The Journal of Histochemistry and Cytochemistry* **39**: 225-229

MCCULLOCH, P.; W.D. GEORGE (1988): Promotion of metastasis by a specific complex of coagulation factors may be independent of fibrin formation. *British Journal of Cancer* **58**: 158-162

MCCULLOCH, P.; W. NIEUWENHUIZEN; J. DOUGLAS; G.D.O. LOWE; W.D. GEORGE (1990): Coagulation disturbances in cancer of the breast and colon measured with specific monoclonal antibody enzyme immunoassay for fibrin-fibrinogen degradation products. *Haemostasis* **20**: 73-80

- MCEVOY, F.J.; T.A. EDGELL; P.M. WEBBON; P.J. GAFFNEY (1996): Detection of fibrin in canine neoplasia. *British Veterinary Journal* **152**: 83-91
- MCGUIRE, W.L. (1991): Breast cancer prognostic factors: Evaluation guidelines. *Journal of the National Cancer Institute* **83**: 154-155
- MOSER, K.M.; M. GUISAN; E.E. BARTIMMO; A.M. LONGO; P.G. HARSANYI; N. CHIORAZZI (1973): In vivo and post mortem dissolution rates of pulmonary emboli and venous thrombi in the dog. *Circulation* **48**: 170-178
- MOULTON, J.E. (1990): Tumors of the mammary gland. In: *Tumors of Domestic Animals, 3rd Edition, University of California Press, Berkeley-Los Angeles-London*: 518-522
- MÜLLER, A.; C. TSCHAHARGANE; E. SCHINDLER; W. KLEINKNECHT (1984): Die prognostische Bedeutung des histomorphologischen Tumorgradings und der Lymphangiosis carcinomatosa mammae für primär nicht metastasierende Mammakarzinome. *Verhandlungen der Deutschen Gesellschaft für Pathologie* **68**: 446
- MUSIANI, P.; A. ALLIONE; A. MODICA; P.L. LOLLINI; M. GIOVARELLI; F. CAVALLO; F. BELARDELLI; G. FORNI; A. MODESTI (1996): Role of neutrophils and lymphocytes in inhibition of a mouse mammary adenocarcinoma engineered to release IL-2, IL-4, IL-7, IL-10, IFN-alpha, IFN-gamma and TNF-alpha. *Laboratory Investigation* **74**: 146-157
- MUSTARD, J.F.; M.A. PACKHAM; R.L. KINLOUGH-RATHBONE (1987): Mechanisms in thrombosis. In: *Bloom, A.L. und D.P. Thomas (Hrsg.): Haemostasis and Thrombosis, 2nd edition, Churchill Livingstone, Edinburgh-London-Melbourne-New York*: 618-650
- NAGY, J.A.; L.F. BROWN; D.R. SENGER; N. LANIR; L. VANDEWATER; A.M. DVORAK; H.F. DVORAK (1988): Pathogenesis of tumor stroma generation: a critical role for leaky blood vessels and fibrin deposition. *Biochimica und Biophysica Acta* **948**: 305-326
- NEISES, M.; T. SCHÄFER, H.-J. STRITTMATTER; A. WISCHNIK; P. DETTMAR; F. MELCHERT (1993): D-Dimer und Plasminogen Aktivator vom Urokinasetyp: Eigene Erfahrungen bei Mammakarzinomen. *Geburtshilfe und Frauenheilkunde* **53**: 455-460
- OBERMAIR, A.; C. KURZ; K. CZERWENKA; M. THOMA; A. KAIDER; T. WAGNER; G. GITSCH; P. SEVELDA (1995): Microvessel density and vessel invasion in lymph-node-negative breast cancer: Effect on recurrence-free survival. *International Journal of Cancer* **62**: 126-131
- O'DONNELL, M.R.; S.J. SLICHTER; P.L. WEIDEN; R. STORB (1981): Platelet and fibrinogen kinetics in canine tumors. *Cancer Research* **41**: 1379-1383
- O'KEEFE, D.A.; C.G. COUTO (1988): Coagulation abnormalities associated with neoplasia. *Veterinary Clinics of North America: Small Animal Practice* **18**: 157-168
- OLANDER, J.V.; M.E. BREMER; J.C. MARASA; J. FEDER (1985): Fibrin-enhanced endothelial cell organization. *Journal of Cellular Physiology* **125**: 1-9
- O'MEARA, R.A.Q. (1958): Coagulative properties of cancers. *Irish Journal of Medical Science* **394**: 474-479. Zitiert nach: Costantini, V.; L.R. Zacharski (1993)
- ORVIM, U.; R.M. BARSTAD; H. STORMOKEN; F. BROSSTAD; K.S. SAKARIASSEN (1996): Immunologic quantification of fibrin deposition in thrombi formed in flowing native human blood. *British Journal of Haematology* **95**: 389-398

- PARANGI, S.; M. O'REILLY; G. CHRISTOFORI; L. HOLMGREN; J. GROSSFELD; D. HANAHAN (1996): Antiangiogenic therapy of transgenic mice impairs de novo tumor growth. *Proceedings of the National Academy of Sciences of the United States of America* **93**: 2002-2007
- PARHAM, D.M.; N. HAGEN; R.A. BROWN (1992): Simplified method of grading primary carcinomas of the breast. *Journal of Clinical Pathology* **45**: 517-520
- PARHAM, D.M.; A.J. ROBERTSON; R.A. BROWN (1988): Morphometric analysis of breast carcinoma: association with survival. *Journal of Clinical Pathology* **41**: 173-177
- PASQUALINI; M.E.; L.R. MORENO; S.E. MUNOZ; A.R EYNARD (1997): Proaggregatory and procoagulant properties of three murine mammary gland tumor cell lines with different metastatic capabilities. *Experimental and Toxicologic Pathology* **49**: 403-407
- PEPPER, M.S.; N. FERRARA; L. ORCI; R. MONTESANO (1991): Vascular endothelial growth factor (VEGF) induces plasminogen activators and plasminogen activator inhibitor-1 in microvascular endothelial cells. *Biochemical and Biophysical Research Communications* **181**: 902-906
- PILERI, S.A.; G. RONCADOR; C. CECCARELLI; M. PICCIOLI; A. BRISKOMATIS; E. SABATTINI; S. ASCANI; D. SANTINI; P.P. PICCALUGA; O. LEONE; S. DAMIANI; C. ERCOLESSI; F. SANDRI; F. PIERI; L. LEONCINI; B. FALINI (1997): Antigen retrieval techniques in immunohistochemistry: Comparison of different methods. *Journal of Pathology* **183**: 116-123
- PINSKY, D.J.; H. LIAO; C.A. LAWSON; S.F. YAN; J. CHEN; P. CARMELIET; D.J. LOSKUTOFF; D.M. STERN (1998): Coordinated induction of plasminogen activator inhibitor-1 (PAI-1) and inhibition of plasminogen activator gene expression by hypoxia promotes pulmonary vascular fibrin deposition. *Journal of Clinical Investigation* **102**: 919-928
- PUSEY, W.; C.A. EDWARDS (1978): A modification of the martius yellow - scarlett red - aniline blue method for fibrin. *Stain Technology* **53**: 58-59
- QI, J. ; D.L. KREUTZER (1995): Fibrin activation of vascular endothelial cells. Induction of IL-8 expression. *Journal of Immunology* **155**: 867-876
- QU-HONG; J.A. NAGY; D.R. SENGER; H.F. DVORAK; A.M. DVORAK (1995): Ultrastructural localization of vascular permeability factor/vascular endothelial growth factor (VPF/VEGF) to the abluminal plasma membrane and vesiculovacuolar organelles of tumor microvascular endothelium. *Journal of Histochemistry and Cytochemistry* **43**: 381-389
- RISHNIW, M.; D.C. LEWIS (1994): Localized consumptive coagulopathy associated with cutaneous hemangiosarkoma in a dog. *Journal of the American Animal Hospital Association* **30**: 261-264
- ROGERS, K. (1992): Coagulation disorders associated with neoplasia in the dog. *Veterinary Medicine* **87**: 55-61
- ROMEIS, B. (1968): Knochengewebe. In: *Mikroskopische Technik, 16. Aufl., R. Oldenbourg Verlag, München-Wien*, 396-410
- ROSEBROUGH, S.F., KUDRYK, B., GROSSMAN, Z.D., MCAFEE, J.G., SUBRAMANIAN, G., RITTER-HRNCIRIK, C.A., WITANOWSKI, L.S.; TILLAPAUGH-FAY, G. (1985): Radioimmunoimaging of venous thrombi using iodine¹³¹ monoclonal antibody. *Radiology* **156**: 515-517

SACHS, L. (1992): *Angewandte Statistik. 7. Auflage, Springer Verlag Berlin - Heidelberg - New York - London - Paris - Tokyo*

SAUTET, J.Y.; J. RUBERTE; C. LOPEZ; J.M. GINE; G. ORDOÑEZ; A. CINGIA (1992): Lymphatic system of the mammary glands in the dog: An approach to the surgical treatment of malignant mammary tumors. *Canine Practice* **17**: 30-33

SCOTT, P.A.E.; J.M. GLEADLE; R. BICKNELL; A.L. HARRIS (1998): Role of the hypoxia sensing system, acidity and reproductive hormones in the variability of vascular endothelial growth factor induction in human breast carcinoma cell lines. *International Journal of Cancer* **75**: 706-712

SCHNEIDER, R. (1970): Comparison of age, sex, and incidence rates in human and canine breast cancer. *Cancer* **26**: 419-426

SENGER, D.R.; S.R. LEDBETTER; K.P. CLAFFEY; A. PAPADOPOULOS-SERGIU; C.A. PERRUZZI; M. DETTMAR (1996): Stimulation of endothelial cell migration by vascular permeability factor/vascular endothelial growth factor through cooperative mechanisms involving the $\alpha_v\beta_3$ integrin, osteopontin, and thrombin. *American Journal of Pathology* **149**: 293-305

SEVICK, M.; R.K. JAIN (1989): Viscous resistance to blood flow in solid tumors: Effect of hematocrit on intratumor blood viscosity. *Cancer Research* **49**: 3513-3519

SHI, S.-R.; M.E. KEY; K.L. KALRA (1991): Antigen retrieval in formalin-fixed, paraffin-embedded tissues: An enhancement method for immunohistochemical staining based on microwave oven heating of tissue sections. *Journal of Histochemistry and Cytochemistry* **39**: 741-748

SHIN, R.-W.; T. IWAKI; T. KITAMOTO; J. TATEISHI (1991): Hydrated autoclave pretreatment enhances TAU immunoreactivity in formalin-fixed normal and Alzheimer's disease brain tissues. *Laboratory Investigation* **64**: 693-702

SHOJI, M.; W.W. HANCOCK; K. ABE; C. MICKO; K.A. CASPER; R.M. BAINE; J.N. WILCOX; I. DANAVE; D.L. DILLEHAY; E. MATTHEWS; J. CONTRINO; J.H. MORRISSEY; S. GORDON; T.S. EDGINGTON; B. KUDRYK; D.L. KREUTZER; F.R. RICKLES (1998): Activation of coagulation and angiogenesis in cancer. *American Journal of Pathology* **152**: 399-411

SHOOBRIDGE, M.P.K. (1983): A new principle in polychrome staining: a system of automated staining, complementary to hematoxylin and eosin, and usable as a research tool. *Stain Technology* **58**: 245-258

SIMON, D.; P. GORONZY; I. STEPHAN; A. MEYER-LINDENBERG; M. AUFDERHEIDE; I. NOLTE (1996): Mammatumoren beim Hund: Untersuchung zu Vorkommen und Verlauf der Erkrankung. *Der praktische Tierarzt* **77**: 771-782

SLAPPENDEL, R.J.; C. VAN ARKEL; W.H.W. MIEOG; B.N. BOUMA (1972): Response to heparin of spontaneous disseminated intravascular coagulation in the dog. *Zentralblatt für Veterinärmedizin Reihe A* **19**: 502-513

SØRENSEN, H.T.; L. MELLEMKJAER; F.H. STEFFENSEN; J.H. OLSEN; G.L. NIELSEN (1998): The risk of a diagnosis of cancer after primary deep venous thrombosis or pulmonary embolism. *The New England Journal of Medicine* **338**: 1169-1173

SPRATT, J.S.; W.L. DONEGAN (1995): Screening and follow-up. In: *Spratt, J.S. und Donegan, W.L. (Hrsg.): Cancer of the Breast, 4th Edition, WB Saunders Company, Philadelphia - London - Toronto - Montreal - Sydney - Tokyo: 597-619*

STEVENSON J.C (1996): Metabolic effects of the menopause and oestrogen replacement. *Baillieres Clinical Obstetrics and Gynaecology* **10**: 449-467

STOCKHAUS, C. (1998): Gerinnungsparameter beim Hund und deren Veränderungen beim Mammakarzinom. *Berlin: Freie Universität, Fachbereich Veterinärmedizin, Dissertation*

SUMIYOSHI, K.; K. SERIZAWA; T. URANO; Y. TAKADA; A. TAKADA; S. BABA (1992): Plasminogen activator system in human breast cancer. *International Journal of Cancer* **50**: 345-348

SUN, N.C.J.; W.M. MCAFEE; G.J. HUM; J.M. WEIDNER (1979): Hemostatic abnormalities in malignant, a prospective study of one hundred eight patients. Part I. Coagulation studies. *American Journal of Clinical Pathology* **71**: 10-16

SUSANECK, S.J.; T.A. ALLEN; J. HOOPES; S.J. WITHROW; D.W. MACY (1983): Inflammatory mammary carcinoma in the dog. *Journal of the American Animal Hospital Association* **19**: 971-976

TANNOCK, I.F.; G.G. STEEL (1969): Quantitative techniques for study of the anatomy and function of small blood vessels in tumors. *Journal of the National Cancer Institute* **42**: 771-782

TRACY, P.B.; M.E. NESHEIM; K.G. MANN (1981): Coordinate binding of factor Va and factor Xa to the unstimulated platelet. *Journal of Biological Chemistry* **256**: 743-751

TROUSSEAU, A. (1872): Phlegmasia alba dolens. *Lectures on clinical medicine, delivered at the Hôtel-Dieu, Paris. London, New Sydenham Society 281-95.* zitiert nach: Donati, M.B. (1995)

TROY, G.C. (1988): An overview of hemostasis. *Veterinary Clinics of North America: Small Animal Practice* **18**: 5-20

VANDEWATER, L.; P.B. TRACY; D. ARONSON; K.G. MANN; H.F. DVORAK (1985): Tumor cell generation via functional prothrombinase assembly. *Cancer Research* **45**: 5521-5525

VAUPEL, P.; F. KALLINOWSKI; P. OKUNIEFF (1989): Blood flow, oxygen and nutrient supply, and metabolic microenvironment of human tumors: a review. *Cancer Research* **49**, 6449-6465.

VIRCHOW, R. (1856): Phlogose und Thrombose im Gefäßsystem. *Gesammelte Abhandlungen zur wissenschaftlichen Medicin. Staatsdruckerei, Frankfurt.* Zitiert nach Mustard, J.F.; M.A. Packham; R.L. Kinlough-Rathbone (1987)

VOGEL, A.W. (1965): Intratumoral vascular changes with increased size of a mammary adenocarcinoma: New method and results. *Journal of the National Cancer Institute* **34**: 571-578

VRANA, J.A.; M.T. STANG; J.P. GRANDE; M.J. GETZ (1996): Expression of tissue factor in tumor stroma correlates with progression to invasive human breast cancer: paracrine regulation by carcinoma cell-derived members of the transforming growth factor beta family. *Cancer Research* **56**: 5063-5070

WALTER, J.H. (1999): Epikrise epithelialer Neoplasien beim Hund. Epidemiologische, biochemische und immunhistochemische Untersuchungen. *Berlin: Freie Universität, Fachbereich Veterinärmedizin, Habilitationsschrift*

WARRELL, R.P. Jr.; S.J. KEMPIN; R.S. BENUA; R.E. REIMAN; C.W. YOUNG (1983): Intratumoral consumption of indium-111 labeled platelets in a patient with hemangiomatosis and intravascular coagulation (Kasabach-Merritt-syndrome). *Cancer* **52**: 2256-2260

WEIDNER, N.; J.P. SEMPLE; W.R. WELCH; J. FOLKMAN (1991): Tumor angiogenesis and metastasis - Correlation in invasive breast carcinoma. *New England Journal of Medicine* **324**: 1-8

WEISS, R.B.; D.C. TORMEY; J.F. HOLLAND; V.E. WEINBERG (1981): Venous thrombosis during multimodal treatment of primary breast carcinoma. *Cancer Treatment Reports* **65**: 677-679

WEISS, E. (1984): Die Metastasierung von Spontantumoren der Haustiere. *Verhandlungen der Deutschen Gesellschaft für Pathologie* **68**: 67-76

WOJTUKIEWICZ, M.Z.; L.R. ZACHARSKI; V.A. MEMOLI; W. KISIEL; B.J. KUDRYK; S.M. ROUSSEAU; D.C. STUMP (1989): Indirect activation of blood coagulation in colon cancer. *Thrombosis and Haemostasis* **62**: 1062-1066

WOJTUKIEWICZ, M.Z.; L.R. ZACHARSKI; V.A. MEMOLI; W. KISIEL; B.J. KUDRYK; S.M. ROUSSEAU; D.C. STUMP (1990a): Fibrinogen-fibrin transformation in situ in renal cell carcinoma. *Anticancer Research* **10**: 579-582

WOJTUKIEWICZ, M.Z.; L.R. ZACHARSKI; V.A. MEMOLI; W. KISIEL; B.J. KUDRYK; S.M. ROUSSEAU; D.C. STUMP (1990b): Malignant melanoma: Interaction with coagulation and fibrinolysis pathways in situ. *American Journal of Clinical Pathology* **93**: 516-521

WOJTUKIEWICZ, M.Z.; L.R. ZACHARSKI; V.A. MEMOLI; W. KISIEL; B.J. KUDRYK; T.E. MORITZ; S.M. ROUSSEAU; D.C. STUMP (1991): Fibrin formation on vessel walls in hyperplastic and malignant prostate tissue. *Cancer* **67**: 1377-1383

WOLLING, H.; R. MISCHKE (1995): Prüfung der Kreuzreaktivität und Sensitivität eines kommerziellen FDP-Latex-Agglutinationstests gegenüber reinen caninen Fibrin(ogen)-spaltprodukten. *Kleintierpraxis* **40**: 23-32

WU, X.-X.; R.E. GORDON; R.W. GLANVILLE; H.-J. KUO; R.R. USON; J.H. RAND (1996): Morphological relationships of von Willebrand factor, type VI collagen, and fibrillin in human vascular subendothelium. *American Journal of Pathology* **149**, 283-291

YAN, S.F.; Y.S. ZOU; Y. GAO; C. ZHAI; N. MACKMAN; S.L. LEE; J. MILBRANDT; D. PINSKY; W. KISIEL; D. STERN (1998): Tissue factor transcription driven by Egr-1 is a critical mechanism of murine pulmonary fibrin deposition in hypoxia. *Proceedings of the National Academy of Sciences* **95**: 8298-8303

ZACHARSKI, L.R.; A.R. SCHNED; G.D. SORENSON (1983): Occurrence of fibrin and tissue factor antigen in human small cell carcinoma of the lung. *Cancer Research* **43**, 3963-3968

ZUCHELLA, M.; L. PACCHIARINI; F. TACCONI; A. SAPORITI; G. GRIGNANI (1993): Different expression of procoagulant activity in human cancer cells cultured "in vitro" or in cells isolated from human tumor tissues. *Thrombosis and Haemostasis* **69**: 335-338

ZUCKER; S. H. MIRZA; C.E. CONNER; A.F. LORENZ; M.H. DREWS; W.F. BAHOU; J. JESTY (1998): Vascular endothelial growth factor induces tissue factor and matrix metalloproteinase production in endothelial cells; conversion of prothrombin to thrombin results in progelatinase A activation and cell proliferation. *International Journal of Cancer* **75**: 780-786

ZUKERBERG, L.R.; B.J. NICKOLOFF; S.W. WEISS (1993): Kaposiform hemangioendothelioma of infancy and childhood. An aggressive neoplasm associated with Kasabach-Merritt syndrome and lymphangiomatosis. *American Journal of Surgical Pathology* **17**: 321-328