

8. Literatur

1. **Abels C, Szeimiers RM, Steinbach P, Richert C, Goetz AE.** Targeting of the tumor micro-circulation by photodynamic therapy with a synthetic porphycene. *J Photochem Photobiol B* 40: 305-312, 1997
2. **Absenger Y, Hess-Stumpp H, Kreft B, Krätzschmar J, Haendler B, Schütze N, Regidor PA, Winterhager E.** Cyr61, a deregulated gene in endometriosis. *Mol Hum Reprod* 10: 399-407, 2004
3. **Amin K, Li J, Chao WR, Dewhirst MW, Haroon ZA.** Dietary glycine inhibits angiogenesis during wound healing and tumor growth. *Cancer Biol Ther* 2: 173-178, 2003
4. **Arici A.** Local cytokines in endometrial tissue: the role of interleukin-8 in the pathogenesis of endometriosis. *Ann NY Acad Sci* 955: 101-109, 2002
5. **Asaishi K, Endrich B, Götz A, Messmer K.** Quantitative analysis of microvascular structure and function in the amelanotic melanoma A-Mel-3. *Cancer Res* 41: 1898-1904, 1981
6. **Baker M, Wayland H.** On-line volume flow rate and velocity profile measurement for blood in microvessels. *Microvasc Res* 7: 131-143, 1974
7. **Banda MJ, Knighton DR, Hunt TK, Werb Z.** Isolation of a nonmitogenic angiogenic factor from wound fluid. *Proc Natl Acad Sci* 79: 7773-7777, 1982
8. **Basini G, Bianco F, Grasselli F.** Epigallocatechin-3-gallate from green tea negatively affects swine granulosa cell function. *Domest Anim Endocrinol* 28: 243-256, 2005a
9. **Basini G, Bianco F, Grasselli F.** EGCG, a major component of green tea, inhibits VEGF production by swine granulosa cells. *Biofactors* 23: 25-33, 2005b
10. **Becker CM, Bartley J, Mechsner S, Ebert AD.** Angiogenesis and endometriosis. *Zentralbl Gynakol* 126: 252-258, 2004
11. **Becker CM, D`Amato RJ.** Angiogenesis and antiangiogenic therapy in endometriosis. *Microvasc Res* 74: 121-130, 2007

12. **Becker CM, Rohwer N, Funakoshi T, Cramer T, Bernhardt W, Birsner A, Folkman J, D'Amato RJ.** 2-methoxyestradiol inhibits hypoxia-inducible factor-1{alpha} and suppresses growth of lesions in a mouse model of endometriosis. *Am J Pathol* 172: 534-544, 2008
13. **Beltz LA, Bayer DK, Moss AL, Simet IM.** Mechanisms of cancer prevention by green and black tea polyphenols. *Anticancer Agent Med Chem* 6: 389-406, 2006
14. **Bordel R, Laschke MW, Menger MD, Vollmar B.** Nicotine does not affect vascularization but inhibits growth of freely transplanted ovarian follicles by inducing granulosa cell apoptosis. *Hum Reprod* 21: 610-617, 2006
15. **Bourlev V, Larsson A, Olovsson M.** Elevated levels of fibroblast growth factor-2 in serum from women with endometriosis. *Am J Obstet Gynecol* 194: 755-759, 2006
16. **Büchler P, Reber HA, Büchler MW, Friess H, Lavey RS, Hines OJ.** Antiangiogenic activity of genistein in pancreatic carcinoma cells is mediated by the inhibition of hypoxia-inducible factor-1 and the down-regulation of VEGF gene expression. *Cancer* 100: 201-210, 2004
17. **Burnette WN.** "Western blotting": electrophoretic transfer of proteins from sodium dodecyl sulfate-polyacrylamide gels to unmodified nitrocellulose and radiographic detection with antibody and radioiodinated protein A. *Anal Biochem* 112: 195-203, 1981
18. **Burton KS, Johnson PC.** Reactive hyperemia in individual capillaries of skeletal muscle. *Am J Physiol* 223: 517-524, 1972
19. **Cao Y, Cao R.** Angiogenesis inhibited by drinking tea. *Nature* 398: 381, 1999
20. **Carmeliet P.** Mechanisms of angiogenesis and arteriogenesis. *Nat Med* 6: 389-395, 2000
21. **Caserta D, Maranghi L, Mantovani A, Marci R, Maranghi F, Moscarini M.** Impact of endocrine disruptor chemicals in gynaecology. *Hum Reprod Update* 14: 59-72, 2008
22. **Chávez-Cartaya RE, Ramirez P, Jamieson NV.** Haemoglobin saturation in the rat liver after ischaemia and reperfusion: study using a laser photometry technique and correlation with changes in liver tissue blood flow. *Eur Surg Res* 27: 82-92, 1995
23. **Chen ZP, Schell JB, Ho CT, Chen KY.** Green tea epigallocatechin gallate shows a pronounced growth inhibitory effect on cancerous cells but not on their normal counterparts. *Cancer Lett* 129: 173-179, 1998

24. **Chen F, Castranova V, Shi X.** New insights into the role of nuclear factor-kappaB in cell growth regulation. *Am J Pathol* 159: 387-397, 2001
25. **Chow HH, Cai Y, Hakim IA, Crowell JA, Shahi F, Brooks CA, Dorr RT.** Pharmacokinetics and safety of green tea polyphenols after multiple-dose administration of epigallocatechin gallate and polyphenon E in healthy individuals. *Clin Cancer Res* 9: 3312-3319, 2003
26. **Conzen PF, Hobbahn J, Goetz AE, Habazettl H, Granetzny T, Peter K, Brendel W.** Splanchnic oxygen consumption and hepatic surface oxygen tensions during isoflurane anesthesia. *Anesthesiology* 69: 643-651, 1988
27. **Conzen PF, Habazettl H, Christ M, Baier H, Hobbahn J, Vollmar B, Peter K.** Left ventricular surface tissue oxygen pressures determined by oxygen sensitive multiwire electrodes in pigs. *Cardiovasc Res* 25: 207-216, 1991
28. **Cotroneo MS, Lamartiniere CA.** Pharmacologic, but not dietary, genistein supports endometriosis in a rat model. *Toxicol Sci* 61: 68-75, 2001
29. **Daguati R, Somigliana E, Viganò P, Vercellini P.** Progesterons and estroprogestins in the treatment of pelvic pain associated with endometriosis. *Minerva Ginecol* 58: 499-510, 2006
30. **Dallenbach-Hellweg G.** Changes in the endometrium caused by endogenous hormonal dysfunction. *Verh Dtsch Ges Pathol* 81: 213-218, 1997
31. **Dermond O, Rüegg C.** Inhibition of tumor angiogenesis by non-steroidal anti-inflammatory drugs: emerging mechanisms and therapeutic perspectives. *Drug Resist Updat* 4: 314-321, 2001
32. **Di Blasio AM, Centinaio G, Carniti C, Somigliana E, Viganò P.** Basic fibroblast growth factor messenger ribonucleic acid levels in eutopic and ectopic human endometrial stromal cells as assessed by competitive polymerase chain reaction amplification. *Mol Cell Endocrinol* 115: 169-175, 1995
33. **Di Carlo C, Bonifacio M, Tommaselli GA, Bifulco G, Guerra G, Nappi C.** Metalloproteinases, vascular endothelial growth factor, and angiopoietin 1 and 2 in eutopic endometrium. *Fertil Steril* 91: 2315-2323, 2009
34. **Donnez J, Smoes P, Gillerot S, Casanas-Roux F, Nisolle M.** Vascular endothelial growth factor (VEGF) in endometriosis. *Hum Reprod* 13: 1686-1690, 1998

35. **Donnez J, Martinez-Madrid B, Jadoul P, Van Langendonck A, Demylle D, Dolmans MM.** Ovarian tissue cryopreservation and transplantation: a review. *Hum Reprod Update* 12: 519-535, 2006
36. **Duling BR.** The preparation and use of the hamster cheek pouch for studies of the microcirculation. *Microvasc Res* 5: 423-429, 1973
37. **Endrich B, Asaishi K, Götz A, Messmer K.** Technical report: a new chamber technique for microvascular studies in unanesthetized hamsters. *Res Exp Med* 177: 125-134, 1980
38. **Endrich B, Hammersen F, Götz A, Messmer K.** Microcirculatory blood flow, capillary morphology and local oxygen pressure of the hamster amelanotic melanoma A-Mel-3. *J Natl Cancer Inst* 68: 475-485, 1982
39. **Falkiewicz B.** Comparison of the efficiency of various coupling systems in the acylation of model secondary amines with thymine-1-ylacetic acid. *Nucleic Acids Symp Ser* 42: 153-154, 1999
40. **Farabegoli F, Barbi C, Lambertini E, Piva R.** Epigallocatechin-3-gallate downregulates estrogen receptor alpha function in MCF-7 breast carcinoma cells. *Cancer Detect Prev* 31: 499-504, 2007
41. **Farina HG, Pomies M, Alonso DF, Gomez DE.** Antitumor and antiangiogenic activity of soy isoflavone genistein in mouse models of melanoma and breast cancer. *Oncol Rep* 16: 885-889, 2006
42. **Fassina G, Vene R, Morini M, Minghelli S, Benelli R, Noonan DM, Albini A.** Mechanisms of inhibition of tumor angiogenesis and vascular tumor growth by epigallocatechin-3-gallate. *Clin Cancer Res* 10: 4865-4873, 2004
43. **Fawthrop DJ, Boobis AR, Davies DS.** Mechanisms of cell death. *Arch Toxicol* 65: 437-444, 1991
44. **Fedele L, Berlanda N.** Emerging drugs for endometriosis. *Expert Opin Emerg Drugs* 9: 167-177, 2004
45. **Ferrara N.** Vascular endothelial growth factor and the regulation of angiogenesis. *Recent Prog Horm Res* 55: 15-36, 2000

46. **Ferrero S, Ragni N, Remorgida V.** Antiangiogenic therapies in endometriosis. *Br J Pharmacol* 149: 133-135, 2006
47. **Ferrero S, Gillott DJ, Remorgida V, Anserini P, Ragni N, Grudzinskas JG.** GnRH analogue remarkably down-regulates inflammatory proteins in peritoneal fluid proteome of women with endometriosis. *J Reprod Med* 54: 223-231, 2009
48. **Fiebig E, Ley K, Arfors KE.** Rapid leukocyte accumulation by "spontaneous" rolling and adhesion in the exteriorized rabbit mesentery. *Int J Microcirc Clin Exp* 10: 127-144, 1991
49. **Folkman J.** Tumor angiogenesis. *Adv Cancer Res* 43: 174-203, 1985
50. **Folkman J, Klagsbrun M.** Angiogenic factors. *Science* 235: 442-447, 1987
51. **Folkman J.** Angiogenesis in cancer, vascular, rheumatoid and other disease. *Nat Med* 1: 27-31, 1995
52. **Folman Y, Pope GS.** The interaction in the immature mouse of potent oestrogens with coumestrol, genistein and other utero-vaginatrophic compounds of low potency. *J Endocrinol* 34: 215-225, 1966
53. **Forsman AD, McCormack JT.** Microcorrosion casts of hamster luteal and follicular vasculature throughout the estrous cycle. *Anat Rec* 233: 515-520, 1992
54. **Foth D, Cline JM.** Effects of mammalian and plant estrogens on mammary glands and uteri of macaques. *Am J Clin Nutr* 68: 1413-1417, 1998
55. **Friesenecker B, Tsai AG, Instaglietta M.** Capillary perfusion during ischemia-reperfusion in subcutaneous connective tissue and skin muscle. *Am J Physiol* 267: 2204-2212, 1994
56. **Fuchs S, Kornowski R, Leon MB, Epstein SE.** Anti-angiogenesis: A new potential strategy to inhibit restenosis. *Int J Cardiovasc Intervent* 4: 3-6, 2001
57. **Fujimoto J, Sakaguchi H, Hirose R, Tamaya T.** Expression of platelet-derived cell growth factor (PD-ECGF) related to angiogenesis in ovarian endometriosis. *J Clin Endocrinol Metab* 84: 359-362, 1999
58. **Funk W, Endrich B, Messmer K.** A novel method for follow-up studies of the microcirculation in non-malignant tissue implants. *Res Exp Med* 186: 259-270, 1986

59. **Galle PC.** Clinical presentation and diagnosis of endometriosis. *Obstet Gynecol Clin North Am* 16: 29-42, 1989
60. **Gashaw I, Stiller S, Böing C, Kimmig R, Winterhager E.** Premenstrual regulation of the pro-angiogenic factor CYR61 in human endometrium. *Endocrinology* 149: 2261-2269, 2008
61. **Gawlowski DM, Harding NR, Granger HJ.** Leukocyte phagocytosis and alterations in microvascular integrity elicited by FITC-dextran 150 and epi-illumination in the microcirculation of the hamster cheek pouch. *Microvasc Res* 37: 1-15, 1989
62. **Gazvani MR, Christmas S, Quenby S, Kirwan J, Johnson PM, Kingsland CR.** Peritoneal fluid concentrations of interleukin-8 in women with endometriosis: relationship to stage of disease. *Hum Reprod* 13: 1957-1961, 1998
63. **Giudice LC, Kao LC.** Endometriosis. *Lancet* 364: 1789-1799, 2004
64. **Goodin MG, Fertuck KC, Zacharewski TR, Rosengreen RJ.** Estrogen receptor-mediated actions of polyphenolic catechins in vivo and in vitro. *Toxicol Sci* 69: 354-361, 2002
65. **Greenburg GB, Hunt TK.** The proliferative response in vitro of vascular endothelial and smooth muscle cells exposed to wound fluids and macrophages. *J Cell Physiol* 97: 353-360, 1978
66. **Groothuis PG, Nap AW, Winterhager E, Grümmer R.** Vascular development in endometriosis. *Angiogenesis* 8: 147-56, 2005
67. **Gross GH.** A technique for sustained synchronization of hamster estrous cycles by hormonal means. *Horm Behav* 9: 23-31, 1977
68. **Gu Y, Zhu CF, Iwamoto H, Chen JS.** Genistein inhibits invasive potential of human hepatocellular carcinoma by altering cell cycle, apoptosis, and angiogenesis. *World J Gastroenterol* 11: 6512-6517, 2005
69. **Guo Y, Wang S, Hoot DR, Clinton SK.** Suppression of VEGF-mediated autocrine and paracrine interactions between prostate cancer cells and vascular endothelial cells by soy isoflavones. *J Nutr Biochem* 18: 408-417, 2007
70. **Halban J.** Hysteroadenosis metaplastica. *Wien Klin Wochenschr* 37: 1205-1206, 1924

71. **Hamasaki K, Kogure K, Ohwada K.** A biological method for the quantitative measurement of tetrodotoxin (TTX): tissue culture bioassay in combination with a water-soluble tetrazolium salt. *Toxicon* 34: 490-495, 1996
72. **Hanahan D, Folkman J.** Patterns and emerging mechanisms of the angiogenic switch during tumorigenesis. *Cell* 86: 353-364, 1996
73. **Haney AF, Muscato JJ, Weinberg JB.** Peritoneal fluid cell populations in infertility patients. *Fertil Steril* 35: 696-698, 1981
74. **Harris AG, Steinbauer M, Leiderer R, Messmer K.** Role of leukocyte plugging and edema in skeletal muscle ischemia-reperfusion injury. *Am J Physiol* 273: 989-996, 1997
75. **Healy DL, Rogers PA, Hii L, Wingfield M.** Angiogenesis: a new theory for endometriosis. *Hum Reprod Update*, 4: 736-740, 1998
76. **Hendel PM, Lilien DL, Buncke HJ.** A study of the pharmacologic control of blood flow to delayed skin flaps using xenon washout. Part II. *Plast Reconstr Surg* 171: 399-407, 1983
77. **Henning SM, Niu Y, Lee NH, Thames GD, Minutti RR.** Bioavailability and antioxidant activity of tea flavanols after consumption of green tea, black tea, or a green tea extract supplement. *Am J Clin Nutr* 80: 1558-1564, 2004
78. **Henning SM, Niu Y, Liu Y, Lee NH, Hara Y, Thames GD, Minutti RR, Carpenter CL, Wang H, Heber D.** Bioavailability and antioxidant effect of epigallocatechin gallate administered in purified form versus as green tea extract in healthy individuals. *J Nutr Biochem* 16: 610-616, 2005
79. **Herrmann KS.** Platelet aggregation induced in the hamster cheek pouch by a photochemical process with excited fluorescein isothiocyanate-dextran. *Microvasc Res* 26: 238-249, 1983
80. **Hever A, Roth RB, Hevezi P, Marin ME, Acosta JA, Rojas J, Herrera R, Grigoriadis D, White E, Conlon PJ, Maki RA, Zlotnik A.** Human endometriosis is associated with plasma cells and overexpression of B lymphocyte stimulator. *Proc Natl Acad Sci USA* 104: 12451-12456, 2007
81. **Hoffmann JN, Vollmar B, Inthorn D, Schildberg FW, Menger MD.** A chronic model for intravital microscopic study of microcirculatory disorders and leukocyte/endothelial cell interaction during normotensive endotoxemia. *Shock* 12: 355-364, 1999

82. **Hoffmann JN, Vollmar B, Inthorn D, Schildberg FW, Menger MD.** The thrombin antagonist hirudin fails to inhibit endotoxin-induced leukocyte/endothelial cell interaction and microvascular perfusion failure. *Shock* 14: 528-534, 2000
83. **Hudlicka O.** Development of microcirculation: capillary growth and adaptation. *Handbook of physiology Sect 2, Vol IV, Part 1*: 165-216, 1984
84. **Hull ML, Charnock-Jones DS, Chan CL, Bruner-Tran KL, Osteen KG, Tom BD, Fan TP, Smith Sk.** Antiangiogenic agents are effective inhibitors of endometriosis. *J Clin Endocrinol Metab*, 88: 2889-2899, 2003
85. **Huang JC, Liu DY, Dawood MY.** The expression of vascular endothelial growth factor isoforms in cultured human endometrial stroma cells and its regulation by 17beta-oestradiol. *Mol Hum Reprod* 4: 603-607, 1998
86. **Ikejima K, Qu W, Stachlewitz RF, Thurman RG.** Kupffer cells contain glycine-gated chloride-channel. *Am J Physiol* 272: 1581-1586, 1997
87. **Intaglietta M, Tompkins WR, Richardson DR.** Velocity measurements in the microvasculature of the cat omentum by online method. *Microvasc Res* 2: 462-473, 1970
88. **Intaglietta M, Tompkins WR.** Online measurement of microvascular dimensions by television microscopy. *J Appl Physiol* 32: 546-551, 1972
89. **Ishiyama M, Tominaga H, Shiga M, Sasamoto K, Ohkura Y, Ueno K.** A combined assay of cell viability and in vitro cytotoxicity with a highly water-soluble tetrazolium salt, neutral red and crystal violet. *Biol Pharm Bull* 19: 1518-1520, 1996
90. **Itoga T, Matsumoto T, Takeuchi H, Yamasaki S, Sasahara N.** Fibrosis and smooth muscle metaplasia in rectovaginal endometriosis. *Pathol Int* 53: 371-375, 2003
91. **Jacob T, Ascher E, Hingorani A, Kallakuri S.** Glycine prevents the induction of apoptosis attributed to mesenteric ischemia/reperfusion injury in a rat model. *Surgery* 134: 457-466, 2003
92. **Jadeski LC, Lala PK.** Nitric oxide synthase inhibition by N(G)-nitro-L-arginine methyl ester inhibits tumor-induced angiogenesis in mammary tumors. *Am J Pathol* 155: 1381-1390, 1999

93. **Jadeski LC, Hum KO, Chakraborty C, Lala PK.** Nitric oxide promotes murine mammary tumour growth and metastasis by stimulating tumour cell migration, invasiveness and angiogenesis. *Int J Cancer* 86: 30-39, 2000
94. **Jefferson WN, Padilla-Banks E, Newbold RR.** Disruption of the female reproductive system by the phytoestrogen genistein. *Reprod Toxicol* 23: 308-316, 2007
95. **Ju J, Lu G, Lambert JD, Yang CS.** Inhibition of carcinogenesis by tea constituents. *Semin Cancer Biol* 17: 395-402, 2007
96. **Jung YD, Kim MS, Shin BA, Chay KO, Ahn BW, Liu W, Bucana CD, Gallick GE, Ellis LM.** EGCG a major component of green tea, inhibits tumor growth by inhibiting VEGF induction in human colon carcinoma cells. *Br J Cancer* 84: 844-850, 2001
97. **Jones MK, Wang H, Peskar BM, Levin E, Itani RM, Sarfeh IJ, Tarnawski AS.** Inhibition of angiogenesis by nonsteroidal anti-inflammatory drugs. Insight into mechanisms and implications for cancer growth and ulcer healing. *Nat Med* 5: 1418-1423, 1999
98. **Kao YH, Hiipakka RA, Liao S.** Modulation of endocrine systems and food intake by green tea epigallocatechin gallate. *Endocrinology* 141: 980-987, 2000
99. **Kawai K, Tsuno NH, Kitayama J, Okaji Y, Yazawa K, Asakage M, Hori N, Watanabe T, Takahashi K, Nagawa H.** Epigallocatechin gallate, the main component of tea polyphenol, binds to CD4 and interferes with gp120 binding. *J Allergy Clin Immunol* 112: 951-957, 2003
100. **Kettel LM, Hummel WP.** Modern medical management of endometriosis. *Obstet Gynecol Clin North Am* 24: 361-373, 1997
101. **Khan N, Afaq F, Saleem M, Ahmad N, Mukhtar H.** Targeting multiple signaling pathways by green tea polyphenol epigallocatechin-3-gallate. *Cancer Res* 66: 2500-2505, 2006
102. **Kiyan E, Kilicaslan Z, Caglar E, Yilmazbayhan D, Tabak L, Gürgan M.** An unusual radiographic finding in pulmonary parenchymal endometriosis. *Acta Radiol* 43: 164-166, 2002
103. **Klyscz T, Junger M, Jung F, Zeintl H.** Cap image - a new kind of computer-assisted video image analysis system for dynamic capillary microscopy. *Biomed Tech* 42: 168-175, 1997
104. **Kondo T, Ohta T, Igura K, Hara Y, Kaij K.** Tea catechins inhibit angiogenesis in vitro, measured by human endothelial cell growth, migration and tube formation, through inhibition of VEGF receptor binding. *Cancer Lett* 180: 139-144, 2002

105. **Kraft CN, Hansis M, Arens S, Menger MD, Vollmar B.** Striated muscle microvascular response to silver implants: A comparative in vivo study with titanium and stainless steel. *J Biomed Mater Res* 49: 192-199, 2000
106. **Kuiper GG, Lemmen JG, Carlsson B, Corton JC, Safe SH, van der Saag PT, van der Burg B, Gustafsson JA.** Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor beta. *Endocrinology* 139: 4252-4263, 1998
107. **Lambert JD, Hong J, Yang GY, Liao J, Yang CS.** Inhibition of carcinogenesis by polyphenols: evidence from laboratory investigations. *Am J Clin Nutr* 81: 284-291, 2005
108. **Lamy S, Gingras D, Béliveau R.** Green tea catechins inhibit vascular endothelial growth factor receptor phosphorylation. *Cancer Res* 62: 381-385, 2002
109. **Laschke MW, Menger MD, Vollmar B.** Ovariectomy improves neovascularization and microcirculation of freely transplanted ovarian follicles. *J Endocrinol* 172: 535-544, 2002
110. **Laschke MW, Elitzsch A, Vollmar B, Menger MD.** In vivo analysis of angiogenesis in endometriosis-like lesions by intravital fluorescence microscopy. *Fertil Steril* 84: 1199-1209, 2005
111. **Laschke MW, Elitzsch A, Vollmar B, Vajkoczy P, Menger MD.** Combined inhibition of vascular endothelial growth factor (VEGF), fibroblast growth factor and platelet-derived growth factor, but not inhibition of VEGF alone, effectively suppresses angiogenesis and vessel maturation in endometriotic lesions. *Hum Reprod* 21: 262-268, 2006a
112. **Laschke MW, Elitzsch A, Scheuer C, Holstein JH, Vollmar B, Menger MD.** Rapamycin induces regression of endometriotic lesions by inhibiting neovascularization and cell proliferation. *Br J Pharmacol* 149: 137-144, 2006b
113. **Laschke MW, Elitzsch A, Scheuer C, Vollmar B, Menger MD.** Selective cyclo-oxygenase-2-inhibition induces regression of autologous endometrial grafts by down-regulation of vascular endothelial growth factor-mediated angiogenesis and stimulation of caspase-3-dependent apoptosis. *Fertil Steril* 87: 163-171, 2007a
114. **Laschke MW, Menger MD.** In vitro and in vivo approaches to study angiogenesis in the pathophysiology and therapy of endometriosis. *Hum Reprod Update* 13: 331-342, 2007b

115. **Laschke MW, Rücker M, Jensen G, Carvalho C, Mülhaupt R, Gellrich NC, Menger MD.** Incorporation of growth factor containing matrigel promotes vascularization of porous PLGA scaffolds. *J Biomed Mater Res A* 85: 397-407, 2008a
116. **Laschke MW, Schwender C, Scheuer C, Vollmar B, Menger MD.** Dietary glycine does not affect physiological angiogenesis and reproductive function, but inhibits apoptosis in endometrial and ovarian tissue by down-regulation of nuclear factor-kappa B. *Fertil Steril* 90: 1460-1469, 2008b
117. **Laschke MW, Häufel JM, Scheuer C, Menger MD.** Angiogenic and inflammatory host response to surgical meshes of different mesh architecture and polymer composition. *J Biomed Mater Res B Appl Biomater* 91: 497-507, 2009a
118. **Laschke MW, Vollmar B, Menger MD.** Insoculation: connecting the life-sustaining pipelines. *Tissue Eng Part B Rev* 15: 455-465, 2009b
119. **Lehr HA, Leunig M, Menger MD, Nolte D, Messmer K.** Dorsal skinfold chamber technique for intravital microscopy in nude mice. *Am J Pathol* 143: 1055-1062, 1993
120. **Leunig M, Yuan F, Menger MD, Boucher Y, Goetz AE, Messmer K, Jain RK.** Angiogenesis, microvascular architecture, microhemodynamics, and interstitial fluid pressure during early growth of human adenocarcinoma LS174T in SCID mice. *Cancer Res* 52: 6553-6560, 1992
121. **Leunig M, Demhartner TJ, Sckell A, Fraitzl CR, Gries N, Schenk RK, Ganz R.** Quantitative assessment of angiogenesis and osteogenesis after transplantation of bone: comparison of isograft and allograft bone in mice. *Acta Orthop Scand* 70: 374-380, 1999
122. **Li J, Lee B, Lee AS.** Endoplasmic reticulum stress-induced apoptosis: multiple pathways and activation of p53-up-regulated modulator of apoptosis (PUMA) and NOXA by p53. *J Biol Chem* 281: 7260-7270, 2006
123. **Lipowsky HH, Zweifach BW.** Technical report. Application of the "two slit" photometric technique to the measurement of microvascular volumetric flow rates. *Microvasc Res* 15: 93-101, 1978
124. **Lousse JC, Van Langendonck A, González-Ramos R, Defrère S, Renkin E, Donnez J.** Increased activation of nuclear factor-kappa B (NF- κ B) in isolated peritoneal macrophages of patients with endometriosis. *Fertil Steril* 90: 217-220, 2008

125. **Lowry OH, Rosebrough NJ, Farr AL, Randall RJ.** Protein measurement with the Folin phenol reagent. *J Biol Chem* 193: 265-275, 1951
126. **Machado DE, Berardo PT, Palmero CY, Nasciutti LE.** Higher expression of vascular endothelial growth factor (VEGF) and its receptor VEGFR-2 (Flk-1) and metalloproteinase-9 (MMP-9) in a rat model of peritoneal endometriosis is similar to cancer diseases. *J Exp Clin Cancer Res* 29: 4, 2010
127. **Mathieson RA, Kitts WD.** Binding of phyto-oestrogen and oestradiol-17 beta by cytoplasmic receptors in the pituitary gland and hypothalamus of the ewe. *J Endocrinol*, 85: 317-325, 1980
128. **May K, Becker CM.** Endometriosis and angiogenesis. *Minerva Ginecol* 60: 245-254, 2008
129. **McLaren J, Prentice A, Charnock-Jones DS, Smith SK.** Vascular endothelial growth factor (VEGF) concentrations are elevated in peritoneal fluid of women with endometriosis. *Hum Reprod* 11: 220-223, 1996
130. **McLaren J.** Vascular endothelial growth factor and endometriotic angiogenesis. *Hum Reprod Update* 6: 45-55, 2000
131. **Meng XW, Lee SH, Kaufmann SH.** Apoptosis in the treatment of cancer: a promise kept? *Curr Opin Cell Biol* 18: 668-676, 2006
132. **Menger MD, Hammersen F, Walter P, Messmer K.** Neovascularization of prosthetic vascular grafts. Quantitative analysis of angiogenesis and microhemodynamics by means of intravital microscopy. *Thorac Cardiovasc Surg* 38: 139-145, 1990
133. **Menger MD, Pelikan S, Steiner D, Messmer K.** Microvascular ischemia-reperfusion injury in striated muscle: significance of "reflow paradox". *Am J Physiol* 263: 1901-1906, 1992
134. **Menger MD, Lehr HA.** Scope and perspectives of intravital microscopy - bridge over from in vitro to in vivo. *Immunol Today* 14: 519-522, 1993
135. **Menger MD, Vajkoczy P, Beger C, Messmer K.** Orientation of microvascular blood flow in pancreatic islet isografts. *J Clin Invest* 93: 2280-2285, 1994
136. **Menger MD, Bonkhoff H, Vollmar B.** Ischemia-reperfusion-induced pancreatic microvascular injury. An intravital fluorescence microscopic study in rats. *Dig Dis Sci* 41: 823-830, 1996

137. **Menger MD, Laschke MW, Vollmar B.** Viewing the microcirculation through the window: some twenty years experience with the hamster dorsal skinfold chamber. *Eur Surg Res* 34: 83-91, 2002
138. **Meyer R.** The status of adenomyosis and adenomyoma, with a discussion of seroepithelial adenomyosis and sarcomatose adeno-myometritis. *Zel Gynaecol* 43: 745-750, 1919
139. **Motro B, Itin A, Sachs L, Keshet E.** Pattern of interleukin 6 gene expression in vivo suggests a role for this cytokine in angiogenesis. *Proc Natl Acad Sci* 87: 3092-3096, 1990
140. **Nagle DG, Ferreira D, Zhou YD.** Epigallocatechin-3-gallate (EGCG): chemical and biomedical perspectives. *Phytochemistry* 67: 1849-1855, 2006
141. **Nakagawa K, Ninomiya M, Okubo T, Aoi N, Juneja LR, Kim M, Yamanaka K, Miyazawa T.** Tea catechin supplementation increases antioxidant capacity and prevents phospholipid hydroperoxidation in plasma of humans. *J Agric Food Chem* 47: 3969-3973, 1999
142. **Nap AW, Groothius PG, Demir AY, Maas JW, Dunselman GA, de Goeij AF, Evers JL.** Tissue integrity is essential for ectopic implantation of human endometrium in the chicken chorioallantoic membrane. *Hum Reprod* 18: 30-34, 2003
143. **Nap AW, Griffioen AW, Dunselman GA, Bouma-Ter Steege JC, Thijssen VL, Evers JL, Groothius PG.** Antiangiogenesis therapy for endometriosis. *J Clin Endocrinol Metab* 89: 1089-1095, 2004
144. **Neuhaus T, Pabst S, Stier S, Weber AA, Schrör K, Sachinidis A, Vetter H, Ko YD.** Inhibition of the vascular-endothelial growth factor-induced intracellular signaling and mitogenesis of human endothelial cells by epigallocatechin-3-gallate. *Eur J Pharmacol* 483: 223-227, 2004
145. **Nothnick WB, D'Hooghe TM.** Medical management of endometriosis: novel targets and approaches towards the development of future treatment regimes. *Gynecol Obstet Invest* 55: 189-198, 2003
146. **Oak MH, El Bedoui J, Schini-Kerth VB.** Antiangiogenic properties of natural polyphenols from red wine and green tea. *J Nutr Biochem* 16: 1-8, 2005
147. **OuYang Z, Hirota Y, Osuga Y, Hamasaki K, Hasegawa A, Tajima T, Hirata T, Koga K, Yoshino O, Harada M, Takemura Y, Nose E, Yano T, Taketani Y.** Interleukin-4 stimulates proliferation of endometriotic stromal cells. *Am J Pathol* 173: 463-469, 2008

148. **Ozawa Y, Murakami T, Tamura M, Terada Y, Yaegashi N, Okamura K.** A selective cyclooxygenase-2 inhibitor suppresses the growth of endometriosis xenografts via antiangiogenic activity in severe combined immunodeficiency mice. *Fertil Steril* 86: 1146-1151, 2006
149. **Papenfuss HD, Gross JF, Intaglietta M, Treese FA.** A transparent access chamber for the rat dorsal skinfold. *Microvasc Res* 18: 311-318, 1979
150. **Penning LC, Dubbelman TM.** Fundamentals of photodynamic therapy: cellular and biochemical aspects. *Anticancer Drugs* 5: 139-146, 1994
151. **Piao M, Mori D, Satoh T, Sugita Y, Tokunaga O.** Inhibition of endothelial cell proliferation, in vitro angiogenesis, and the down-regulation of cell adhesion-related genes by genistein. Combined with a cDNA microarray analysis. *Endothelium* 13: 249-266, 2006
152. **Piva M, Horowitz GM, Sharpe-Timms KL.** Interleukin-6 differentially stimulates haptoglobin production by peritoneal and endometriotic cells in vitro: a model for endometrial-peritoneal interaction in endometriosis. *J Clin Endocrinol Metab*, 86: 2553-2561, 2001
153. **Polverini PJ, Cotran PS, Gimbrone MA, Unanue ER.** Activated macrophages induce vascular proliferation. *Nature* 269: 804-806, 1977
154. **Povlishock JT, Rosenblum WI, Sholley MM, Wei EP.** An ultrastructural analysis of endothelial change paralleling platelet aggregation in a light/dye model of microvascular insult. *Am J Pathol* 110: 148-160, 1983
155. **Prewitt RL, Johnson PC.** The effect of oxygen on arteriolar red cell velocity and capillary density in the rat cremaster muscle. *Microvasc Res* 12: 59-70, 1976
156. **Pries AR.** A versatile video image analysis system for microcirculatory research. *Int J Microcirc Clin Exp* 7: 327-345, 1988
157. **Quirk SM, Harman RM, Cowan RG.** Regulation of Fas antigen (Fas, CD95)-mediated apoptosis of bovine granulosa cells by serum and growth factors. *Biol Reprod* 63: 1278-1284, 2000
158. **Rajendra S, Lynch JW, Schofield, PR.** The glycine receptor. *Pharmacol Ther* 73: 121-146, 1997
159. **Rawson JM.** Prevalence of endometriosis in asymptomatic women. *J Reprod Med* 36: 513-515, 1991

160. **Reed MW, Miller FN.** Importance of light dose in fluorescent microscopy. *Microvasc Res* 36: 104-107, 1988
161. **Reichner JS, Meszaros AJ, Louis CA, Henry WL Jr, Mastrofrancesco B, Martin BA, Albina JE.** Molecular and metabolic evidence for the restricted expression of inducible nitric oxide synthase in healing wounds. *Am J Pathol* 154: 1097-1104, 1999
162. **Reinhold HS, Endrich B.** Tumor microcirculation as a target for hyperthermia. *Int J Hyperthermia* 2: 111-137, 1986
163. **Reutov MI, Chernukh AM.** Modification of the construction and insertion of a viewing chamber for the study of microcirculation in the subcutaneous compartment of the rabbit ear. *Biull Eksp Biol Med* 84: 116-118, 1977
164. **Reynolds LP, Killilea SD, Redmer DA.** Angiogenesis in the female reproductive system. *FASEB J* 6: 886-892, 1992
165. **Ria R, Loverro G, Vacca A, Ribatti D, Cormio G, Roccaro AM, Selvaggi L.** Angiogenesis extent and expression of matrix metalloproteinase-2 and -9 agree with progression of ovarian endometriomas. *Eur J Clin Invest* 32: 199-206, 2002
166. **Risau W.** Mechanisms of angiogenesis. *Nature* 386: 671-674, 1997
167. **Rose ML, Madren J, Bunzendahl H, Thurman RG.** Dietary glycine inhibits the growth of B16 melanoma tumors in mice. *Carcinogenesis* 20: 793-798, 1999a
168. **Rose ML, Cattley RC, Dunn C, Wong V, Li X, Thurman RG.** Dietary glycine prevents the development of liver tumors caused by the peroxisome proliferator WY-14. *Carcinogenesis* 20: 2075-2081, 1999b
169. **Rosenblum WI.** Fluorescence induced in platelet aggregates as a guide to luminal contours in the presence of platelet aggregation. *Microvasc Res* 15: 103-106, 1978
170. **Saetzler RK, Jallo J, Lehr HA, Philips CM, Vasthare U, Arfors KE, Tuma RF.** Intravital fluorescence microscopy: impact of light-induced phototoxicity on adhesion of fluorescently labeled leukocytes. *J Histochem Cytochem* 45: 505-513, 1997
171. **Sagsveen M, Farmer JE, Prentice A, Breeze A.** Gonadotrophin-releasing hormone analogues for endometriosis: bone mineral density. *Cochrane Database Syst Rev* CD001297, 2003

172. **Sampson JA.** Peritoneal endometriosis due to menstrual dissemination of endometrial tissues into the peritoneal cavity. *Am J Obstet Gynecol* 14: 422-469, 1927
173. **Sandison JD.** A new method for the microscopic study of living growing tissues by the induction of a transparent chamber in the rabbit's ear. *Anat Rec* 28: 281-287, 1924
174. **Saumet JL, Dittmar A, Leftheriotis G.** Non-invasive measurement of skin blood flow: comparison between plethysmography, laser-Doppler flowmeter and heat thermal clearance method. *Int J Microcirc Clin Exp* 5: 73-83, 1986
175. **Schmidt EE, MacDonald IC, Groom AC.** Interactions of leukocytes with vessel walls and with other blood cells, studied by high-resolution intravital videomicroscopy of spleen. *Microvasc Res* 40: 99-117, 1990
176. **Shankar S, Ganapathy S, Hingorani SR, Srivastava RK.** EGCG inhibits growth, invasion, angiogenesis and metastasis of pancreatic cancer. *Front Biosci* 13: 440-452, 2008
177. **Shemin D, London IM, Rittenberg D.** The in vitro synthesis of heme from glycine by the nucleated red blood cell. *J Biol Chem* 173: 799, 1948
178. **Shifren JL, Tseng JF, Zaloudek CJ, Ryan IP, Meng YG, Ferrara N, Jaffe RB, Taylor RN.** Ovarian steroid regulation of vascular endothelial growth factor in the human endometrium: implications for angiogenesis during the menstrual cycle and in the pathogenesis of endometriosis. *J Clin Endocrinol Metab* 81: 3112-3118, 1996
179. **Shklar G, Schwartz JL.** Vitamin E inhibits experimental carcinogenesis and tumor angiogenesis. *Eur J Cancer B Oral Oncol* 32B: 114-119, 1996
180. **Silverman NR, Intaglietta M, Simon AL, Tompkins WR.** Determination of pulmonary pulsatile perfusion by fluoroscopic videodensitometry. *J Appl Physiol* 33: 147-149, 1972
181. **Steinbauer M, Harris AG, Abels C, Messmer K.** Characterization and prevention of phototoxic effects in intravital fluorescence microscopy in the hamster dorsal skinfold model. *Langenbecks Arch Surg* 385: 290-298, 2000
182. **Surrey ES, Halme J.** Effect of platelet-derived growth factor on endometrial stromal cell proliferation in vitro: a model for endometriosis? *Fertil Steril* 56: 672-679, 1991
183. **Tamanini C, De Ambrogi M.** Angiogenesis in developing follicle and corpus luteum. *Reprod Domest Anim* 39: 206-216, 2004

184. **Tang FY, Meydani M.** Green tea catechins and vitamin E inhibit angiogenesis of human microvascular endothelial cells through suppression of IL-8 production. *Nutr Cancer* 41: 119-125, 2001
185. **Tang FY, Chiang EP, Shih CJ.** Green tea catechin inhibits ephrin-A1-mediated cell migration and angiogenesis of human umbilical vein endothelial cells. *J Nutr Biochem* 18: 391-399, 2007
186. **Taskin O, Erden F, Uryan II, Atmaca R, Ozeki U, Wheeler JM.** The sensitivity of low-dose oral contraceptives in differentiating endometriosis in patients with pelvic pain. *J Am Assoc Gynecol Laparosc* 3: 49, 1996
187. **Tchaikovski SN, Rosing J.** Mechanisms of estrogen-induced venous thromboembolism. *Thromb Res* 126: 5-11, 2010
188. **Terada Y, Chen F, Shoji T, Itoh H, Wada H, Hitomi S.** A case of endobronchial endometriosis treated by subsegmentectomy *Chest* 115: 1475-1478, 1999
189. **Tesone M, Bilotas M, Barano RI, Meresman G.** The role of GnRH analogues in endometriosis-associated apoptosis and angiogenesis. *Gynecol Obstet Invest* 1: 10-18, 2008
190. **Testa U, Riccioni R.** Deregulation of apoptosis in acute myeloid leukemia. *Haematologica*, 92: 81-94, 2007
191. **Ullmann U, Haller J, Decourt JP, Girault N, Girault J.** A single ascending dose study of epigallocatechin gallate in healthy volunteers. *J Int Med Res* 31: 88-101, 2003
192. **Vajkoczy P, Ullrich A, Menger MD.** Intravital fluorescence videomicroscopy to study tumor angiogenesis and microcirculation. *Neoplasia* 2: 53-61, 2000
193. **Valdez KE, Turzillo Am.** Regulation of nuclear factor-kappaB (NF-kappaB) activity and apoptosis by estradiol in bovine granulosa cells. *Mol Cell Endocrinol* 243: 66-73, 2005
194. **Viganò P, Parazzini F, Somigliana E, Vercellini P.** Endometriosis: epidemiology and aetiological factors. *Best Pract Res Clin Obstet Gynaecol* 18: 177-200, 2004
195. **Vercellini P, Somigliana E, Viganò P, Abbiati A, Daguati R, Crosignani PG.** Endometriosis: current and future medical therapies. *Best Pract Res Clin Obstet Gynaecol* 22: 275-306, 2008

196. **Vollmar B, Conzen P, Habazettl H, Adili F, Peter K.** Does nitrous oxide affect coronary microcirculation? An intravital microscopic study in the canine heart. *Anesth Analg* 80: 249-255, 1995
197. **Vollmar B, Burkhardt M, Minor T, Klauke H, Menger MD.** A correlation of intravital microscopically assessed NADH fluorescence, tissue oxygenation, and organ function during shock and resuscitation of the rat liver. *Adv Exp Med Biol* 454: 95-101, 1998
198. **Vollmar B, Laschke MW, Rohan R, Koenig J, Menger MD.** In vivo imaging of physiological angiogenesis from immature to preovulatory ovarian follicles. *Am J Pathol* 159: 1661-1670, 2001
199. **Wahl M, Unterberg A, Baethmann A.** Intravital fluorescence microscopy for the study of bloodbrain-barrier function. *Int J Microcirc Clin Exp* 4: 3-18, 1985
200. **Webster MH, Patterson J.** The photo-electric plethysmograph as a monitor of microvascular anastomoses. *Br J Plast Surg* 29: 182-185, 1976
201. **Weidner N, Semple JP, Welch WR, Folkman J.** Tumor angiogenesis and metastasis: Correlation in invasive breast carcinoma. *N Engl J Med* 324: 1-8, 1991
202. **Westermann S, Vollmar B, Thorlaciuss H, Menger MD.** Surface cooling inhibits tumor necrosis factor-alpha-induced microvascular perfusion failure, leukocyte adhesion, and apoptosis in the striated muscle. *Surgery* 126: 881-889, 1999
203. **Winet H.** A horizontal intravital microscope-plus-bone chamber system for observing bone microcirculation. *Microvasc Res* 37: 105-114, 1989
204. **Wiseman S, Mulder T, Rietveld A.** Tea flavonoids: bioavailability in vivo and effects on cell signaling pathways in vitro. *Antioxid Redox Signal* 3: 1009-1021, 2001
205. **Woodson K, Triantos S, Hartman T, Taylor PR, Virtamo J, Albanes D.** Long-term alpha-tocopherol supplementation is associated with lower serum vascular endothelial growth factor levels. *Anticancer Res* 22: 375-378, 2002
206. **Xiao CW, Ash K, Tsang BK.** Nuclear factor-kappaB-mediated X-linked inhibitor of apoptosis protein expression prevents rat granulosa cells from tumor necrosis factor alpha-induced apoptosis. *Endocrinology* 142: 557-563, 2001

207. **Xiao CW, Asselin E, Tsang BK.** Nuclear factor-kappaB-mediated induction of Flice-like inhibitory protein prevents tumor necrosis factor alpha-induced apoptosis in rat granulosa cells. *Biol Reprod* 67: 436-441, 2002
208. **Yamauchi J, Vollmar B, Wolf B, Menger MD.** Role of TNF-alpha in local surgical traumainduced microvascular dysfunction. *Dig Surg* 16: 400-406, 1999
209. **Yang CS, Sang S, Lambert JD, Hou Z, Ju J, Lu G.** Possible mechanisms of the cancer-preventive activities of green tea. *Mol Nutr Food Res* 50: 170-175, 2006
210. **Yang CS, Lambert JD, Ju J, Lu G, Sang S.** Tea and cancer prevention: molecular mechanisms and human relevance. *Toxicol Appl Pharmacol* 224: 265-273, 2007
211. **Yavuz E, Oktem M, Esinler I, Toru SA, Zeyneloglu HB.** Genistein causes regression of endometriotic implants in the rat model. *Fertil Steril* 88: 1129-1134, 2007
212. **Yoo HG, Shin BA, Park JC, Kim HS, Kim WJ, et al.** Induction of apoptosis by the green tea flavonol epigallocatechin-3-gallate in human endothelial ECV 304 cells. *Anticancer Res* 22: 3373-3378, 2002
213. **Zhang Y, Ikejima K, Honda H, Kitamura K, Takei Y, Sato N.** Glycine prevents apoptosis of rat sinusoidal endothelial cells caused by deprivation of vascular endothelial growth factor. *Hepatology* 32: 542-546, 2000a
214. **Zhang M, Volpert O, Shi YH, Bouck N.** Maspin is an angiogenesis inhibitor. *Nat Med* 6: 196-199, 2000b
215. **Zhang J, Ju Z.** Telomere, DNA damage, and oxidative stress in stem cell aging. *Birth Defects Res C Embryo Today* 90: 297-307, 2010
216. **Zhu BH, Zhan WH, Li ZR, Wang Z, He YL, Peng JS, Cai SR, Ma JP, Zhang CH.** Epigallocatechin-3-gallate inhibits growth of gastric cancer by reducing VEGF production and angiogenesis. *World J Gastroenterol* 13: 1162-1169, 2007
217. **Zweifach BW.** The microcirculation in the intestinal mesentery. *Microvasc Res* 5: 363-367, 1973
218. **Zwissler B, Schosser R, Weiss C, Iber V, Weiss M, Schwickert C, Spengler P, Messmer K.** Methodological error and spatial variability of organ blood flow measurements using radiolabeled microspheres. *Res Exp Med* 191: 47-63, 1991