

## **BIBLIOGRAFIA.**

- Achen MG, Jeltsch M, Kukk E, Mäkinen T, Vitali A, Wilks A, Alitalo K, Stacker SA. 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: 548-53.
- Aiello LP, Avery RL, Arrigg PG, Keyt BA, Jampel HD, Shah ST, Pasquale LR, Thieme H, Iwamoto MA, Park JE, Nguyen HV, Aiello LM, Ferrara N, King GL. Vascular Endothelial Growth Factor in ocular fluid of patients with diabetic retinopathy and other retinal disorders. *N Engl J Med* 1994; 331: 1480-7.
- Aiello LP, Pierce EA, Foley ED, Takagi H, Chen H, Riddle L, Ferrara N, King GL, Smith LEH. Suppression of retinal neovascularization in vivo by inhibition of Vascular Endothelial Growth Factor (VEGF) using soluble VEGF-receptor chimeric proteins. *Proc Natl Acad Sci USA* 1995; 92: 10457-61.
- Arbiser JL. Angiogenesis and the skin: A primer. *J Am Acad Dermatol* 1996; 34: 486-97.
- Aref S, Mabed M, Sakrana M, Goda T, El-Sherbiny M. Soluble hepatocyte growth factor (sHGF) and vascular endothelial growth factor (sVEGF) in adult acute myeloid leukemia: relationship to disease characteristics. *Hematology* 2002; 7: 273-9.
- Asahara T, Bauters C, Zheng LP, Takeshita S, Bunting S, Ferrara N, Symes JF, Isner JM. Synergistic effect of Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor on angiogenesis in vivo. *Circulation* 1995; 92 (suppl II): II-365 – II-371.
- Asano M, Yukita A, Matsumoto T, Kondo S, Suzuki H. Inhibition of tumor growth and metastasis by an immunoneutralizing monoclonal antibody to human Vascular Endothelial Growth Factor / Vascular Permeability Factor<sub>121</sub>. *Cancer Res* 1995; 55: 5296-301.
- Bachelder RE, Crago A, Chung J, Wendt MA, Shaw LM, Robinson G, Mercurio AM. Vascular Endothelial Growth Factor is an autocrine survival factor for neuropilin-expressing breast carcinoma cells. *Cancer Res* 2001; 61: 5736-40.
- Bachelot T, Jouanneau E, Blay JY. Clinical development of anti-angiogenic agents in 2002. *Bull Cancer* 2003; 90: 19-23.
- Bagnato A, Spinella F. Emerging role of endothelin-1 in tumor angiogenesis. *Trends Endocrinol Metab* 2003; 14: 44-50.
- Ballaun C, Weninger W, Uthman A, Weich H, Tschachler E. Human keratinocytes express the three major splice forms of Vascular Endothelial Growth Factor. *J Invest Dermatol* 1995; 104: 7-10.

## BIBLIOGRAFIA

Banks RE, Forbes MA, Kinsey SE, Stanley A, Ingham E, Walters C, Selby PJ. Release of the angiogenic cytokine Vascular Endothelial Growth Factor (VEGF) from platelets: significance for VEGF measurements and cancer biology. *Br J Cancer* 1998; 77: 956-64.

Barksdale S, Sherlyn M, Karaoli T, Barnhill R. Vascular Endothelial Growth Factor expression in melanocytic lesions. 33<sup>rd</sup> Annual Meeting of the American Society of Dermatopathology. *J Cutan Pathol* 1996; 23: 66.

Barnhill RL, Wolf JE. Angiogenesis and the skin. *J Am Acad Dermatol* 1987; 16: 1226-42.

Barnhill RL, Fandrey K, Levy MA, Mihm MC, Hyman B. Angiogenesis and tumor progression of melanoma. Quantification of vascularity in melanocytic nevi and cutaneous malignant melanoma. *Lab Invest* 1992; 67: 331-7.

Barnhill RL, Mihm Jr. MC, Fitzpatrick TB, Sober AJ. Neoplasms: Malignant Melanoma, pàgines 1078-115. *A Dermatology in General Medicine*. Fitzpatrick, Eisen, Wolff, Freedberg, Austen Eds. McGraw Hill, 4<sup>th</sup> Edition. New York 1993.

Barnhill RL, Piepkorn MW, Cochran AJ, Flynn E, Karaoli T, Folkman J. Tumor vascularity, proliferation and apoptosis in human melanoma micrometastases and macrometastases. *Arch Dermatol* 1998; 134: 991-4.

Bates DO, Cui TG, Doughty JM, Winkler M, Sugiono M, Shields JD, Peat D, Gillatt D, Harper SJ. VEGF<sub>165b</sub>, an inhibitory splice variant of Vascular Endothelial Growth Factor, is down-regulated in renal cell carcinoma. *Cancer Res* 2002; 62: 4123-31.

Bauters C, Asahara T, Zheng LP, Takeshita S, Bunting S, Ferrara N, Symes JF, Isner JM. Site-specific therapeutic angiogenesis after systemic administration of vascular endothelial growth factor. *J Vasc Surg* 1995; 21: 314-25.

Bayer-Garner IB, Hough AJ, Smoller BR. Vascular Endothelial Growth Factor expression in malignant melanoma: Prognostic versus Diagnostic usefulness. *Mod Pathol* 1999; 12: 770-4.

Berg P, Lindelöf B. Differences in malignant melanoma between children and adolescents. A 35-year epidemiological study. *Arch Dermatol* 1997; 133: 295-7.

Berger R, Albelda SM, Berd D, Ioffreda M, Whitaker D, Murphy GF. Expression of platelet-endothelial cell adhesion molecule-1 (PECAM-1) during melanoma-induced angiogenesis in vivo. *J Cutan Pathol* 1993; 20: 399-406.

Bhushan M, Young HS, Brenchley PEC, Griffiths CEM. Recent advances in cutaneous angiogenesis. *Br J*

Dermatol 2002; 147: 418-25.

Bikfalvi A. Significance of angiogenesis in tumour progression and metastasis. Eur J Cancer 1995; 31 A: 1101-4.

Boisseau-Garsaud AM, Garsaud P, Ossondo M, Azaloux H, Escarmant P, Quist D, Helenon R, Jouannelle A. Acral Melanoma in the French West Indies (Martinique). Arch Dermatol 1998; 134: 112-3.

Bonfil RD, Vinyals A, Bustuoabad OD, Llorens A, Benavides FJ, González-Garrigues M, Fabra A. Stimulation of angiogenesis as an explanation of matrigel-enhanced tumorigenicity. Int J Cancer 1994; 58: 233-9.

Boocock CA, Charnock-Jones S, Sharkey AM, McLaren J, Barker PJ, Wright KA, Twentyman PR, Smith SK. Expression of Vascular Endothelial Growth Factor and its receptors flt and KDR in ovarian carcinoma. J Natl Cancer Inst 1995; 87: 506-16.

Borgstrom P, Bourdon MA, Hillan KJ, Sriramarao P, Ferrara N. Neutralizing anti-Vascular Endothelial Growth Factor antibody completely inhibits angiogenesis and growth of human prostate carcinoma micro tumors in vivo. Prostate 1998; 35: 1-10.

Bosari S, Lee AKC, DeLellis RA, Wiley BD, Heatley GJ, Silverman ML. Microvessel quantitation and prognosis in invasive breast carcinoma. Hum Pathol 1992; 23: 755-61.

Bossi P, Viale G, Lee AKC, Alfano RM, Coggi G, Bosari S. Angiogenesis in colorectal tumors: Microvessel quantitation in adenomas and carcinomas with clinicopathological correlations. Cancer Res 1995; 55: 5049-53.

Boudghene-Stambouli O, Merad-Boudia A. Le mélanome au Maghreb. Ann Dermatol Venereol 1997; 124: 559.

Bowden J, Brennan PA, Umar T, Cronin A. Expression of vascular endothelial growth factor in basal cell carcinoma and cutaneous squamous cell carcinoma of the head and neck. J Cutan Pathol 2002; 29: 585-9.

Brogi E, Wu T, Namiki A, Isner JM. Indirect angiogenic cytokines upregulate VEGF and bFGF gene expression in vascular smooth muscle cells, whereas hypoxia upregulates VEGF expression only. Circulation 1994; 90: 649-52.

Brooks PC, Clark RAF, Cheresh DA. Requirement of Vascular Integrin  $\alpha_v\beta_3$  for angiogenesis. Science 1994; 264: 569-71.

Brown LF, Berse B, Jackman RW, Tognazzi K, Guidi AJ, Dvorak HF, Senger DR, Connolly JL, Schnitt SJ. Expression of Vascular Permeability Factor (Vascular Endothelial Growth Factor) and its receptors in breast

## BIBLIOGRAFIA

cancer. *Hum Pathol* 1995; 26: 86-91.

Brown LF, Harrist TJ, Yeo KT, Stahle-Bäckdahl M, Jackman RW, Berse B, Tognazzi K, Dvorak HF, Detmar M. Increased expression of Vascular Permeability Factor (Vascular Endothelial Growth Factor) in bullous pemphigoid, dermatitis herpetiformis, and erythema multiforme. *J Invest Dermatol* 1995; 104: 744-9.

Busam KJ, Berwick M, Blessing K, Fandrey K, Kang S, Karaoli T, Fine J, Cochran AJ, White WL, Rivers J, Elder DE, Po Wen DR, Heyman BH, Barnhill RL. Tumor vascularity is not a prognostic factor for malignant melanoma of the skin. *Am J Pathol* 1995; 147: 1049-56.

Campbell SC, Volpert OV, Ivanovich M, Bouck NP. Molecular mediators of angiogenesis in bladder cancer. *Cancer Res* 1998; 58: 1298-304.

Capaccioli S, Di Pasquale G, Mini E, Mazzei T, Quattrone A. Cationic lipids improve antisense oligonucleotide uptake and prevent degradation in cultured cells and in human serum. *Bioch Biophys Res Commun* 1993; 197: 818-25.

Carnochan P, Briggs JC, Westbury G, Davies AJS. The vascularity of cutaneous melanoma: a quantitative histological study of lesions 0.85-1.25 mm in thickness. *Br J Cancer* 1991; 64: 102-7.

Charnok-Jones DS, Sharkey AM, Rajput-Williams J, Burch D, Schofield JP, Fountain SA, Boocock CA, Smith SK. Identification and localization of alternatively spliced mRNAs for Vascular Endothelial Growth Factor in human uterus and estrogen regulation in endometrial carcinoma cell lines. *Biol Reprod* 1993; 48: 1120-8.

Charnok-Jones DS, Sharkey AM, Boocock CA, Ahmed A, Plevin R, Ferrara N, Smith SK. Vascular Endothelial Growth Factor receptor localization and activation in human trophoblast and choriocarcinoma cells. *Biol Reprod* 1994; 51: 524-30.

Chen HX, Gore-Langton RE, Cheson BD. Current clinical trials of the anti-VEGF monoclonal antibody Bevacizumab. *Oncology (Huntingt)* 2001; 15: 1017-26.

Chen ZQ, Fisher RJ, Riggs CW, Rhim JS, Lautenberger JA. Inhibition of Vascular Endothelial Growth Factor-induced endothelial cell migration by ETS1 antisense oligonucleotides. *Cancer Res* 1997; 57: 2013-9.

Cheng SY, Huang HJS, Nagane M, Ji XD, Wang D, Shih CCY, Arap W, Huang CM, Cavenee WK. Suppression of glioblastoma angiogenicity and tumorigenicity by inhibition of endogenous expression of Vascular Endothelial Growth Factor. *Proc Natl Acad Sci USA* 1996; 93: 8502-7.

Chevalier S. Commentary on prostatic neovascularization and Vascular Endothelial Growth Factor. *J Urol* 1997;

157: 2040-1.

Choi KS, Bae MK, Jeong JW, Moon HE, Kim KW. Hypoxia-induced angiogenesis during carcinogenesis. *J Biochem Mol Biol* 2003; 36: 120-7.

Claffey KP, Brown LF, del Aguila LF, Tognazzi K, Yeo KT, Manseau EJ, Dvorak HF. Expression of Vascular Permeability Factor / Vascular Endothelial Growth Factor by melanoma cells increases tumor growth, angiogenesis, an experimental metastasis. *Cancer Res* 1996; 56: 172-81.

Coomber BL, Yu JL, Fathers KE, Plumb C, Rak JW. Angiogenesis and the role of epigenetics in metastasis. *Clin Exp Metastasis* 2003; 20: 215-27.

Craft PS, Harris AL. Clinical prognostic significance of tumour angiogenesis. *Ann Oncol* 1994; 5: 305-11.

Czubayko F, Schulte AM, Missner SC, Hsieh SS, Colley KJ, Wellstein A. Molecular and pharmacologic targeting of angiogenesis factors – the example of pleiotrophin. *Breast Cancer Res Treat* 1995; 36: 157-68.

D'Amato RJ, Loughnan MS, Flynn E, Folkman J. Thalidomide is an inhibitor of angiogenesis. *Proc Natl Acad Sci USA* 1994; 91: 4082-5.

Davis DW, McConkey DJ, Abbruzzese JL, Herbst RS. Surrogate markers in antiangiogenesis clinical trials. *Br J Cancer* 2003; 89: 8-14.

Davies B, Brown PD, East N, Crimmin MJ, Balkwill FR. A synthetic matrix metalloproteinase inhibitor decreases tumor burden and prolongs survival of mice bearing human ovarian carcinoma xenografts. *Cancer Res* 1993; 53: 2087-91.

de Rooij MJM, Ramonee FHJ, Schouten LJ, Neumann HAM. Total skin examination during screening for malignant melanoma does not increase the detection rate. *Br J Dermatol* 1996; 135: 42-45.

Denhart BC, Guidi AJ, Tognazzi K, Dvorak HF, Brown LF. Vascular Permeability Factor / Vascular Endothelial Growth Factor and its receptors in oral and laryngeal squamous cell carcinoma and dysplasia. *Lab Invest* 1997; 77: 659-54.

Denijn M, Ruiter DJ. The possible role of angiogenesis in the metastatic potential of human melanoma. Clinicopathological aspects. *Melanoma Res* 1993; 3: 5-14.

Dennis JU, Dean NM, Bennett CF, Griffith JW, Lang CM, Welch DR. Human melanoma metastasis is inhibited following ex vivo treatment with an antisense oligonucleotide to protein kinase C- $\alpha$ . *Cancer Letters* 1998; 128:

## BIBLIOGRAFIA

65-70.

Dirix LY, Vermeulen PB, Pawinski A, Prové A, Benoy I, De Pooter C, Martin M, Van Oosterom AT. Elevated levels of the angiogenic cytokines basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor in sera of cancer patients. *Br J Cancer* 1997; 76: 238-43.

Dreys J. Soluble markers for the detection of hypoxia under antiangiogenic treatment. *Anticancer Res* 2003; 23: 1159-62.

Duff SE, Li C, Garland JM, Kumar S. CD105 is important for angiogenesis: evidence and potential applications. *FASEB J* 2003; 17: 984-92.

DuPont Guerry IV, Synnestvedt M, Elder DE, Schultz D. Lessons from tumor progression: the invasive radial growth phase of melanoma is common, incapable of metastasis, and indolent. *J Invest Dermatol* 1993; 100: 342S-345S.

Dvorak HF, Brown LF, Detmar M, Dvorak AM. Vascular Permeability Factor / Vascular Endothelial Growth Factor, microvascular hyperpermeability and angiogenesis. *Am J Pathol* 1995; 146: 1029-39.

Eisma RJ, Spiro JD, Kreutzer DL. Vascular Endothelial Growth Factor expression in head and neck squamous cell carcinoma. *Am J Surg* 1997; 174: 513-7.

Ellis LM, Liu W, Wilson M. Down-regulation of Vascular Endothelial Growth Factor in human colon carcinoma cell lines by antisense transfection decreases endothelial cell proliferation. *Surgery* 1996; 120: 871-8.

Ellis LM, Staley CA, Liu W, Fleming RYD, Parikh UN, Bucana CD, Gallick GE. Down-regulation of Vascular Endothelial Growth Factor in a human colon carcinoma cell line transfected with an antisense expression vector specific for c-src. *J Biol Chem* 1998; 273: 1052-7.

Ensoli B, Markham P, Kao V, Barillari G, Fiorelli V, Gendelman R, Raffeld M, Zon G, Gallo RC. Block of AIDS-Kaposi's Sarcoma (KS) cell growth, angiogenesis, and lesion formation in nude mice by antisense oligonucleotide targeting basic fibroblast growth factor. *J Clin Invest* 1994; 94: 1736-46.

Ergun S, Kilic N, Fiedler W, Mukhopadhyay AK. Vascular Endothelial Growth Factor and its receptors in normal human testicular tissue. *Mol Cell Endocrinol* 1997; 131: 9-20.

Erhard H, Rietveld FJR, van Altena MC, Bröcker EB, Ruiter DJ, de Waal RMW. Transition of horizontal to vertical growth phase melanoma is accompanied by induction of vascular endothelial growth factor expression and angiogenesis. *Melanoma Res* 1997; 7 (suppl 2): S19-S26.

Esser S, Wolburg K, Wolburg H, Breier G, Kurzchalia T, Risau W. Vascular Endothelial Growth Factor induces endothelial fenestrations in vivo. *J Cell Biol* 1998; 140: 947-59.

Fallon JF, Lopez A, Ros MA, Savage MP, Olwin BB, Simandl BK. FGF-2: apical ectodermal ridge growth signal for chick limb development. *Science* 1994; 264: 104-7.

Fallowfield ME, Cook MG. The vascularity of primary cutaneous melanoma. *J Pathol* 1991; 164: 241-4.

Félez J, Jardí M, Arza B. Angiostatina y su actividad antitumoral. *Med Clin (Barc)* 2000; 114: 431-6.

Ferrara N, Chen H, Davis-Smyth T, Gerber HP, Nguyen TN, Peers D, Chisholm V, Hillan KJ, Schwall RH. Vascular Endothelial Growth Factor is essential for corpus luteum angiogenesis. *Nature Med* 1998; 4: 336-40.

Ferrara N, Alitalo K. Clinical applications of angiogenic growth factors and their inhibitors. *Nature Med* 1999; 5: 1359-64.

Ferrer FA, Miller LJ, Andrawis RI, Kurtzman SH, Albertsen PC, Laudone VP, Kreutzer DL. Vascular Endothelial Growth Factor (VEGF) expression in human prostate cancer: in situ and in vitro expression of VEGF by human prostate cancer cells. *J Urol* 1997; 157: 2329-33.

Fidler IJ, Ellis LM. The implications of angiogenesis for the biology and therapy of cancer metastasis. *Cell* 1994; 79: 185-8.

Fidler IJ. Critical determinants of melanoma metastasis. *J Invest Dermatol Symposium Proceedings* 1996; 1: 203-8.

Fielder W, Graeven U, Ergün S, Verago S, Kilic N, Stockschräder M, Hossfeld DK. Expression of flt-4 and its ligand VEGF-C in acute myeloid leukemia. *Leukemia* 1997; 11: 1234-7.

Folberg R, Pe'er J, Gruman LM, Woolson RF, Jeng G, Montague P, Moninger T, Yi H, Moore KC. The morphologic characteristics of tumor blood vessels as a marker of tumor progression in primary human uveal melanoma: a matched case-control study. *Hum Pathol* 1992; 23: 1298-305.

Folberg R, Rummelt V, Parys-Van Ginderdeuren R, Hwang T, Woolson RF, Pe'er J, Gruman LM. The prognostic value of tumor blood vessel morphology in primary uveal melanoma. *Ophthalmology* 1993; 100: 1389-98.

Folberg R, Hendrix MJC, Maniotis AJ. Vasculogenic mimicry and tumor angiogenesis. *Am J Pathol* 2000; 156:



## BIBLIOGRAFIA

361-81.

Folkman J, Klagsbrun M. Angiogenic Factors. *Science* 1987; 235: 442-7.

Folkman J. What is the role of angiogenesis in metastasis from cutaneous melanoma?. *Eur J Cancer Clin Oncol* 1987; 23: 361-3.

Folkman J, Watson K, Ingber D, Hanahan D. Induction of angiogenesis during the transition from hyperplasia to neoplasia. *Nature* 1989; 339: 58-61.

Folkman J. What is the evidence that tumors are angiogenesis dependent?. *J Natl Cancer Inst* 1990; 82: 4-6.

Folkman J. Angiogenesis in cancer, vascular, rheumatoid and other disease. *Nature Med* 1995; 1: 27-31.

Folkman J. Clinical applications of research on angiogenesis. *N Engl J Med* 1995; 333: 1757-63.

Fonsatti E, Altomonte M, Arslan P, Maio M. Endoglin (CD105): a target for anti-angiogenic cancer therapy. *Curr Drug Targets* 2003; 4: 291-6.

Fontanini G, Vignati S, Lucchi M, Mussi A, Calcinai A, Boldrini L, Chiné S, Silvestri V, Angeletti CA, Basolo F, Bevilacqua G. Neoangiogenesis and p53 protein in lung cancer: their prognostic role and their relation with Vascular Endothelial Growth Factor (VEGF) expression. *Br J Cancer* 1997; 75: 1295-301.

Foss HD, Araujo I, Demel G, Klotzbach H, Hummel M, Stein H. Expression of Vascular Endothelial Growth Factor in lymphomas and Castleman's disease. *J Pathol* 1997; 183: 44-50.

Fotsis T, Zhang Y, Pepper MS, Adlercreutz H, Montesano R, Nawroth PP, Schweigerer L. The endogenous oestrogen metabolite 2-methoxyoestradiol inhibits angiogenesis and suppresses tumor growth. *Nature* 1994; 368: 237-9.

Fridman R, Kibbey MC, Royce LS, Zain M, Sweeney TM, Jicha DL, Yannelli JR, Martin GR, Kleinman HK. Enhanced tumor growth of both primary and established human and murine tumor cells in athymic mice after coinjection with matrigel. *J Natl Cancer Inst* 1991; 83: 769-74.

Fujisaki K, Mitsuyama K, Toyonaga A, Matsuo K, Tanikawa K. Circulating Vascular Endothelial Growth Factor in patients with colorectal cancer. *Am J Gastroenterol* 1998; 93: 249-52.

Galaray RE, Grobelny D, Foellmer HG, Fernandez LA. Inhibition of angiogenesis by the matrix metalloprotease inhibitor n-[2R-2-(hydroxamidocarbonylmethyl)-4-methylpentanoyl]-L-tryptophan methylamide. *Cancer Res* 1994; 54: 4715-8.

- Garland CF, Garland FC, Gorham ED. Could sunscreens increase melanoma risk?. *Am J Public Health* 1992; 82: 614-5.
- Gasparini G, Toi M, Gion M, Verderio P, Dittadi R, Hanatani M, Matsubara I, Vinante O, Bonoldi E, Boracchi P, Gatti C, Suzuki H, Tominaga T. Prognostic significance of Vascular Endothelial Growth Factor protein in node-negative breast carcinoma. *J Natl Cancer Inst* 1997; 89: 139-47.
- Gefeller O, Hassan K, Wille L. Cutaneous malignant melanoma in women and the role of oral contraceptives. *Br J Dermatol* 1998; 138: 122-4.
- Gehlsen KR, Davis GE, Sriramarao P. Integrin expression in human melanoma cells with differing invasive and metastatic properties. *Clin Exp Metastasis* 1992; 10: 111-20.
- Giard DJ, Aaronson SA, Todaro GJ, Arnstein P, Kersey JH, Dosik H, Parks WP. In vitro cultivation of human tumors: Establishment of cell lines derived from a series of solid tumors. *J Natl Cancer Inst* 1973; 51: 1417-23.
- Gitay-Goren H, Soker S, Vlodavsky I, Neufeld G. The binding of Vascular Endothelial Growth Factor to its receptors is dependent on cell surface-associated heparin-like molecules. *J Biol Chem* 1992; 267: 6093-8.
- Gitay-Goren H, Halaban R, Neufeld G. Human melanoma cells but not normal melanocytes express Vascular Endothelial Growth Factor receptors. *Biochem Biophys Res Commun* 1993; 190: 702-9.
- Goldman CK, Bharara S, Palmer CA, Vitek J, Tsai JC, Weiss HL, Gillespie GY. Brain edema in meningiomas is associated with increased Vascular Endothelial Growth Factor expression. *Neurosurgery* 1997; 40: 1269-77.
- Graham CH, Rivers J, Kerbel RS, Stankiewicz KS, White WL. Extent of vascularization as a prognostic indicator in thin (<0.76 mm) malignant melanomas. *Am J Pathol* 1994; 145: 510-4.
- Hamano Y, Zeisberg M, Sugimoto H, Lively JC, Maeshima Y, Yang C, Hynes RO, Werb Z, Sudhakar A, Kalluri R. Physiological levels of tumstatin, a fragment of collagen IV alpha3 chain, are generated by MMP-9 proteolysis and suppress angiogenesis via alpha V beta 3 integrin. *Cancer Cell* 2003; 3: 589-601.
- Hanahan D, Folkman J. Patterns and emerging mechanisms of the angiogenic switch during tumorigenesis. *Cell* 1996; 86: 353-64.
- Hanrahan V, Currie MJ, Gunningham SP, Morrin HR, Scott PA, Robinson BA, Fox SB. *J Pathol* 2003; 200: 183-94.

## BIBLIOGRAFIA

Harmey JH, Bouchier-Hayes D. Vascular endothelial growth factor (VEGF), a survival factor for tumour cells: implications for anti-angiogenic therapy. *BioEssays* 2002; 24: 280-3.

Hasan J, Byers R, Jayson GC. Intra-tumoral microvessel density in human solid tumours. *Br J Cancer* 2002; 86: 1566-77.

Hatva E, Kaipainen A, Mentula P, Jääskeläinen J, Paetau A, Haltia M, Alitalo K. Expression of endothelial cell – specific receptor tyrosine kinases and growth factors in human brain tumors. *Am J Pathol* 1995; 146: 368-78.

Hayes AJ, Li LY, Lippman ME. Antivascular therapy: a new approach to cancer treatment. *BMJ* 1999; 318: 853-6.

Hendrix MJC, Seftor EA, Seftor REB, Fidler IJ. A simple quantitative assay for studying the invasive potential of high and low human metastatic variants. *Cancer Letters* 1987; 38: 137-47.

Henry TD. Therapeutic angiogenesis. *BMJ* 1999; 318: 1536-9.

Herbst RS, Hidalgo M, Pierson AS, Holden SN, Bergen M, Eckhardt SG. Angiogenesis inhibitors in clinical development for lung cancer. *Semin Oncol* 2002; 29: 66-77.

Hiramatsu Y, Toda S. Mast cells and angiogenesis. *Microsc Res Tech* 2003; 60: 64-9.

Hlatky L, Hahnfeldt P, Folkman J. Clinical application of antiangiogenic therapy: Microvessel density, What it does and doesn't tell us. *J Natl Cancer Inst* 2002; 94: 883-93.

Holman CDJ, Armstrong BK. Hutchinson's melanotic freckle melanoma associated with non-permanent hair dyes. *Br J Cancer* 1983; 48: 599-601.

Holmgren L, O'Reilly MS, Folkman J. Dormancy of micrometastases: balanced proliferation and apoptosis in the presence of angiogenesis suppression. *Nature Med* 1995; 1: 149-53.

Hong Q, Nagy JA, Senger DR, Dvorak HF, Dvorak AM. Ultrastructural localization of Vascular Permeability Factor / Vascular Endothelial Growth Factor (VPF/VEGF) to the abluminal plasma membrane and vesiculovacuolar organelles of tumor microvascular endothelium. *J Histochem Cytochem* 1995; 43: 381-89.

Hood JD, Meininger CJ, Ziche M, Granger HJ. VEGF upregulates eNOS message, protein, and NO production in human endothelial cells. *Am J Physiol* 1998; 274: H1054-H1058.

Horiuchi T, Weller PF. Expression of Vascular Endothelial Growth Factor by human eosinophils: Upregulation

by granulocyte macrophage colony-stimulating factor and interleukin-5. *Am J Respir Cell Mol Biol* 1997; 17: 70-7.

Houck KA, Leung CW, Rowland AM, Winer J, Ferrara N. Dual regulation of Vascular Endothelial Growth Factor bioavailability by genetic and proteolytic mechanisms. *J Biol Chem* 1992; 267: 26031-7.

Hu DE, Fan TPD. Suppression of VEGF-induced angiogenesis by the protein tyrosin kinase inhibitor, lavendustin A. *Br J Pharmacol* 1995; 114: 262-8.

Hudlicka O, Brown MD, Walter H, Weiss JB, Bate A. Factors involved in capillary growth in the heart. *Mol Cell Biochem* 1995; 147: 57-68.

Hutchings H, Ortega N, Plouet J. Extracellular matrix-bound vascular endothelial growth factor promotes endothelial cell adhesion, migration, and survival through integrin ligation. *FASEB J* 2003; 17: 1520-2.

Im SA, Gomez-Manzano C, Fueyo J, Liu TJ, Ke LD, Kim JS, Lee HY, Steck PA, Kyritsis AP, Yung WKA. Antiangiogenesis treatment for gliomas: transfer of antisense-Vascular Endothelial Growth Factor inhibits tumor growth in vivo. *Cancer Res* 1999; 59: 895-900.

Inoue K, Ozeki Y, Suganuma T, Sugiura Y, Tanaka S. Vascular Endothelial Growth Factor expression in primary esophageal squamous cell carcinoma. *Cancer* 1997; 79: 206-13.

Institut Català d'Oncologia (ICO): Epidemiologia i Prevenció del Càncer a Catalunya 1975-1992. Barcelona, Juliol del 1997. ISBN 84-393-4306-X.

Iruela-Arispe ML, Carpizo D, Luque A. ADAMTS1: a matrix metalloprotease with angioinhibitory properties. *Ann N Y Acad Sci* 2003; 995: 183-90.

Jackson JR, Minton JAL, Ho ML, Wei N, Winkler JD. Expression of Vascular Endothelial Growth Factor in synovial fibroblasts is induced by hypoxia and interleukin 1 $\beta$ . *J Rheumatol* 1997; 24: 1253-9.

Jansen B, Wadl H, Inoue SA, Trülzsch B, Selzer E, Duchêne M, Eichler HG, Wolff K, Pehamberger H. Phosphorotioate oligonucleotides reduce melanoma growth in a SCID-hu mouse model by a nonantisense mechanism. *Antisense Res and Develop* 1995; 5: 271-7.

Jayson GC, Evans GS, Pemberton PW, Lobley RW, Allen T. Basic fibroblast growth factor increases the multiplication and migration of a serum-free derivative of CACO-2 but does not affect differentiation. *Cancer Res* 1994; 54: 5718-23.

## BIBLIOGRAFIA

Jeltsch M, Kaipainen A, Joukov V, Meng X, Lakso M, Rauvala H, Swartz M, Fukumura D, Jain RK, Alitalo K. Hyperplasia of lymphatic vessels in VEGF-C transgenic mice. *Science* 1997; 276: 1423-5.

Johnson MD, Kim HRC, Chesler L, Wu GT, Bouck N, Polverini PJ. Inhibition of angiogenesis by tissue inhibitor of metalloproteinase. *J Cell Physiol* 1994; 160: 194-202.

Joukov V, Pajusola K, Kaipainen A, Chilov D, Lahtinen I, Kukk E, Saksela O, Kalkkinen N, Alitalo K. A novel Vascular Endothelial Growth Factor, VEGF-C, is a ligand for the Flt-4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases. *EMBO J* 1996; 15: 290-8.

Joukov V, Kaipainen A, Jeltsch M, Pajusola K, Olofsson B, Kumar V, Eriksson U, Alitalo K. Vascular Endothelial Growth Factors VEGF-B and VEGF-C. *J Cell Physiol* 1997; 173: 211-5.

Kalluri R. Basement membranes: structure, assembly and role in tumour angiogenesis. *Nat Rev Cancer* 2003; 3: 422-33.

Kamb A. Human melanoma genetics. *J Invest Dermatol* 1996; 1: 177-82.

Kato T, Suetake T, Sugiyama Y, Tabata N, Tagami H. Epidemiology and prognosis of subungual melanoma in 34 Japanese patients. *Br J Dermatol* 1996; 134: 383-7.

Katoh O, Tauchi H, Kawaishi K, Kimura A, Satow Y. 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: 5687-92.

Katsambas A, Nicolaidou E. Cutaneous Malignant Melanoma and sun exposure. Recent developments in Epidemiology. *Arch Dermatol* 1996; 132: 444-50.

Kendall RL, Thomas KA. Inhibition of Vascular Endothelial Cell Growth Factor activity by an endogenously encoded soluble receptor. *Proc Natl Acad Sci USA* 1993; 90: 10705-9.

Kerbel RS, Kobayashi H, Graham CH, Lu C. Analysis and significance of the malignant "eclipse" during the progression of primary cutaneous human melanomas. *J Invest Dermatol Symposium Proceedings* 1996; 1: 183-7.

Keyt BA, Nguyen HV, Berleau LT, Duarte CM, Park J, Chen H, Ferrara N. Identification of Vascular Endothelial Growth Factor determinants for binding KDR and FLT-1 receptors. *J Biol Chem* 1996; 271: 5638-46.

Keyt BA, Berleau LT, Nguyen HV, Chen H, Heinsshohn H, Vandlen R, Ferrara N. The carboxyl-terminal domain (111-165) of Vascular Endothelial Growth Factor is critical for its mitogenic potency. *J Biol Chem* 1996; 271: 7788-95.

Kibbey MC, Grant DS, Kleinman HK. Role of the SIKVAV site of laminin in promotion of angiogenesis and tumor growth: an in vivo matrigel model. *J Natl Cancer Inst* 1992; 84: 1633-8.

Kilic N, Fiedler W, Holstein AF, Ergün S. Expression of VEGF and its receptors and capillary density in Leydig cell tumors of the human testis. *Adv Exp Med Biol* 1997; 424: 181-2.

Kim KJ, Li B, Winer J, Armanini M, Gillett N, Phillips HS, Ferrara N. Inhibition of Vascular Endothelial Growth Factor-induced angiogenesis suppresses tumour growth in vivo. *Nature* 1993; 362: 841-4.

Kim KW, Bae SK, Lee OH, Bae MH, Lee MJ, Park BC. Insulin-like growth factor II induced by hypoxia may contribute to angiogenesis of human hepatocellular carcinoma. *Cancer Res* 1998; 58: 348-51.

Kim Y, Imdad RY, Stephenson AH, Sprague RS, Lonigro AJ. Vascular Endothelial Growth Factor mRNA in pericytes is upregulated by phorbol myristate acetate. *Hypertension* 1998; 31: 511-5.

Klagsbrun M, Soker S. VEGF/VPF: the angiogenesis factor found? *Curr Biol* 1993; 3: 699-702.

Koh HK, Geller AC, Miller DR, Grossbart TA, Lew RA. Prevention and early detection strategies for Melanoma and Skin Cancer. Current Status. *Arch Dermatol* 1996; 132: 436-43.

Kondo S, Asano M, Matsuo K, Ohmori I, Suzuki H. Vascular Endothelial Growth Factor / Vascular Permeability Factor is detectable in the sera of tumor-bearing mice and cancer patients. *Biochim Biophys Acta* 1994; 1221: 211-4.

Koomägi R, Volm M. Tissue-factor expression in human non-small-cell lung carcinoma measured by immunohistochemistry: Correlation between tissue factor and angiogenesis. *Int J Cancer* 1998; 79: 19-22.

Korpelainen EI, Alitalo K. Signaling angiogenesis and lymphangiogenesis. *Curr Op Cell Biol* 1998; 10: 159-64.

Koura MN, Liu W, Kitadai Y, Singh RK, Radinsky R, Ellis LM. Regulation of Vascular Endothelial Growth Factor expression in human colon carcinoma cells by cell density. *Cancer Res* 1996; 56: 3891-4.

Kozlowski JM, Fidler IJ, Campbell D, Xu ZL, Kaighn ME, Hart IR. Metastatic behavior of human tumor cell lines grown in the nude mouse. *Cancer Res* 1984; 44: 3522-9.

## BIBLIOGRAFIA

Kozlowski JM, Hart IR, Fidler IJ, Hanna N. A human melanoma line heterogeneous with respect to metastatic capacity in athymic nude mice. *J Natl Cancer Inst* 1984; 72: 913-7.

Kumar CC. Integrin alpha v beta 3 as a therapeutic target for blocking tumor-induced angiogenesis. *Curr Drug Targets* 2003; 4: 123-31.

Kurdy NM, Weiss JB, Bate A. Endothelial stimulating angiogenic factor in early fracture healing. *Injury* 1996; 27: 143-5.

Kuroda M, Oka T, Oka Y, Yamochi T, Ohtsubo K, Mori S, Watanabe T, Machinami R, Ohnishi S. Colocalization of Vascular Endothelial Growth Factor (Vascular Permeability Factor) and insulin in pancreatic islet cells. *J Clin Endocrinol Metab* 1995; 80: 3196-200.

Lachgar S, Moukadiri H, Jonca F, Charveron M, Bouhaddioui N, Gall Y, Bonafe JL, Plouët J. Vascular Endothelial Growth Factor is an autocrine growth factor for hair dermal papilla cells. *J Invest Dermatol* 1996; 106: 17-23.

Lachgar S, Charveron M, Gall Y, Bonafe JL. Minoxidil upregulates the expression of Vascular Endothelial Growth Factor in human hair dermal papilla cells. *Br J Dermatol* 1998; 138: 407-11.

Lázár-Molnár E, Hegyesi H, Tóth S, Falus A. Autocrine and paracrine regulation by cytokines and growth factors in melanoma. *Cytokine* 2000; 12: 547-54.

Le Querrec A, Duval D, Tobelem G. Tumor angiogenesis. *Baill Clin Haematol* 1993; 6: 711-30.

Lee J, Gray A, Yuan J, Luoh SM, Avraham H, Wood MI. Vascular Endothelial Growth Factor-related protein: a ligand and specific activator of the tyrosine kinase receptor Flt4. *Proc Natl Acad Sci USA* 1996; 93: 1988-92.

Leenders WPJ. Targetting VEGF in anti-angiogenic and anti-tumour therapy: Where are we now? *Int J Exp Path* 1998; 79: 339-46.

Leenders WPJ, Küsters B, de Waal RMW. Vessel co-option: How tumors obtain blood supply in the absence of sprouting angiogenesis. *Endothelium* 2002; 9: 83-7.

Leung DW, Cachianes G, Kuang WJ, Goeddel DV, Ferrara N. Vascular Endothelial Growth Factor is a secreted angiogenic mitogen. *Science* 1989; 246: 1306-9.

Leung SY, Chan ASY, Wong MP, Yuen ST, Cheung H, Chung LP. Expression of Vascular Endothelial Growth Factor and its receptors in pilocytic astrocytoma. *Am J Surg Pathol* 1997; 21: 941-50.

Li J, Perrella MA, Tsai JC, Yete SF, Hsieh CM, Yoshizumi M, Patterson C, Endege WO, Zhou F, Lee ME. Induction of Vascular Endothelial Growth Factor gene expression by interleukin-1 $\beta$  in rat aortic smooth muscle cells. *J Biol Chem* 1995; 270: 308-12.

Li CY, Shan S, Huang Q, Braun RD, Lanzen J, Hu K, Lin P, Dewhirst MW. Initial stages of tumor cell-induced angiogenesis: evaluation via skin window chambers in rodent models. *J Natl Cancer Inst* 2000; 92: 143-7.

Lin P, Sankar S, Shan S, Dewhirst MW, Polverini PJ, Quinn TQ, Peters KG. Inhibition of tumor growth by targeting tumor endothelium using a soluble Vascular Endothelial Growth Factor receptor. *Cell Growth & Differ* 1998; 9: 49-58.

Liotta LA, Kohn E. Cancer invasion and metastases. *JAMA* 1990; 263: 1123-6.

Lipsker D, Heid E, Grosshans E, Cribier B. Le mélanome au C.H.U. de Strasbourg. Étude sur 30 ans. *Ann Dermatol Venereol* 1998; 125: 241-6.

Liu B, Earl HM, Baban D, Shoaibi M, Fabra A, Kerr DJ, Seymour LW. Melanoma cell lines express VEGF receptor kdr and respond to exogenously added VEGF. *Biochem Biophys Res Commun* 1995; 217: 721-7.

Liu W, Reinmuth N, Stoeltzing O, Parikh AA, Fan F, Ahmad SA, Jung YD, Ellis LM. Antiangiogenic therapy targeting factors that enhance endothelial cell survival. *Semin Oncol* 2002; 29: 96-103.

Longuet-Perret I, Schmitt D, Viac J. Tumour necrosis factor- $\alpha$  is involved in the contrasting effects of ultraviolet B and ultraviolet A1 radiation on the release by normal human keratinocytes of Vascular Permeability Factor. *Br J Dermatol* 1998; 138: 221-4.

Ma J, Zhou-Li F, Klein-Szanto A, Gallo JM. Modulation of angiogenesis by human glioma xenograft models that differentially express Vascular Endothelial Growth Factor. *Clin Exp Metastasis* 1998; 16: 559-68.

Mandriotta SJ, Pepper JS. Lymphangiogenèse et activité biologique du facteur de croissance vasculaire endothélial-C. *J Soc Biol* 1999; 193: 159-63.

Maniotis AJ, Folberg R, Hess A, Seftor EA, Gardner LM, Pe'er J, Trent JM, Meltzer PS, Hendrix MJ. Vascular channel formation by human melanoma cells in vivo and in vitro: vasculogenic mimicry. *Am J Pathol* 1999; 155: 739-52.

Marasá L, Tomasino RM. Melanoma cutaneo. Proposta di un nuovo parametro prognostico: la valutazione dell'angiogenesi neoplastica. *Pathologica* 1983; 75: 353-65.



## BIBLIOGRAFIA

Marcoval J, Moreno A, Graells J, Vidal A, Escribà JM, Peyri J, Fabra A. Vascular density and survival in cutaneous melanoma. *Br J Dermatol* 1996; 134: 809-10.

Marcoval J, Moreno A, Graells J, Vidal A, Escribà JM, Garcia-Ramírez M, Fabra A. Angiogenesis and malignant melanoma. Angiogenesis is related to the development of vertical (tumorigenic) growth phase. *J Cutan Pathol* 1997; 24: 212-8.

Marcoval J, Moreno A, Fabra A. Angiogénesis en el melanoma cutáneo. *Piel* 1998; 13: 109-11.

Marghoob AA, Slade J, Kopf AW, Salopek TG, Rigel DS, Bart RS. Risk of developing multiple primary cutaneous melanomas in patients with the classic atypical-mole syndrome: a case-control study. *Br J Dermatol* 1996; 135: 704-11.

Margolin K. Inhibition of Vascular Endothelial Growth Factor in the treatment of solid tumors. *Curr Oncol Rep* 2002; 4: 20-8.

Mason IJ. The ins and outs of Fibroblast Growth Factors. *Cell* 1994; 78: 547-52.

Mattern J, Stammer G, Koomagi R, Wallwiener D, Kaufmann M, Volm M. Association of Vascular Endothelial Growth Factor expression with tumor cell proliferation in ovarian carcinoma. *Anticancer Res* 1997; 17: 621-4.

Mattern J, Koomagi R, Volm M. Coexpression of VEGF and bFGF in human epidermoid lung carcinoma is associated with increased vessel density. *Anticancer Res* 1997; 17: 2249-52.

Mazure NM, Brahimi-Horn MC, Pouyssegur J. Protein kinases and the hypoxia-inducible factor-1, two switches in angiogenesis. *Curr Pharm Des* 2003; 9: 531-41.

McKie R, Hunter JAA, Aitchison TC, Hole D, McLaren K, Rankin R, Blessing K, Evans AT, Hutcheon AW, Jones DH, Soutar DS, Watson ACH, Cornbleet MA, Smyth JF. Cutaneous malignant melanoma, Scotland 1979-89. *Lancet* 1992; 339: 971-5.

McKie R, Hole DJ. Incidence and thickness of primary tumours and survival of patients with cutaneous malignant melanoma in relation to socioeconomic status. *BMJ* 1996; 312: 1125-8.

McKie R. Melanocytic Naevi and Malignant Melanoma, 1717-52. A Champion RH, Burton JL, Burns DA i Breathnach Eds, *Textbook of Dermatology*, 6<sup>th</sup> edition . Blackwell Science, Oxford, 1998.

McKie R, Andrew N, Lanyon WG, Connor JM. CDKN2A germline mutations in U.K. patients with familial

melanoma and multiple primary melanomas. *J Invest Dermatol* 1998; 111: 269-72.

McLaughlin B, Weiss JB. Endothelial-cell-stimulating angiogenesis factor (ESAF) activates progelatinase A (72 kDa type IV collagenase), prostromelysin 1 and procollagenase and reactivates their complexes with tissue inhibitors of metalloproteinases: a role for ESAF in non-inflammatory angiogenesis. *Biochem J* 1996; 317: 739-45.

Menrad A, Thierauch KH, Martiny-Baron G, Siemeister G, Schirmer M, Schneider MR. Novel antibodies directed against the extracellular domain of the human VEGF-receptor type II. *Hybridoma* 1997; 16: 465-71.

Meyer LJ, Zone JH. Genetics of cutaneous melanoma. *J Invest Dermatol* 1994; 103: 112S-116S.

Millauer B, Shawver LK, Plate KH, Risau W, Ullrich A. Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant. *Nature* 1994; 367: 576-9.

Miller JW, Adamis AP, Shima DT, D'Amore PA, Moulton RS, O'Reilly MS, Folkman J, Dvorak HF, Brown LF, Berse B, Yeo TK, Yeo KT. Vascular Endothelial Growth Factor / Vascular Permeability Factor is temporally and spatially correlated with ocular angiogenesis in a primate model. *Am J Pathol* 1994; 145: 574-84.

Miller KD, Sweeney CJ, Sledge Jr GW. The Snark is a Boojum: the continuing problem of drug resistance in the antiangiogenic era. *Ann Oncol* 2003; 14: 20-8.

Minchenko A, Bauer T, Salceda S, Caro J. Hypoxic stimulation of Vascular Endothelial Growth Factor expression in vitro and in vivo. *Lab Invest* 1994; 71: 374-9.

Mitjans F, Meyer T, Fittschen C, Goodman S, Jonczyk A, Marshall JF, Reyes G, Piulats J. In vivo therapy of malignant melanoma by means of antagonists of alphav integrins. *Int J Cancer* 2000; 87: 716-23.

Moriyama M, Kumagai S, Kawashiri S, Kojima K, Kakihara K, Yamamoto E. Immunohistochemical study of tumour angiogenesis in oral squamous cell carcinoma. *Oral Oncology* 1997; 33: 369-74.

Mühlhauser J, Merrill MJ, Pili R, Maeda H, Bacic M, Bewig B, Passaniti A, Edwards N, Crystal RG, Capogrossi MC. VEGF<sub>165</sub> expressed by a replication-deficient recombinant adenovirus vector induces angiogenesis in vivo. *Circ Res* 1995; 77: 1077-86.

Mukhopadhyay D, Tsiokas L, Sukhatme VP. Wild-type p53 and v-Src exert opposing influences on human Vascular Endothelial Growth Factor gene expression. *Cancer Res* 1995; 55: 6161-5.

## BIBLIOGRAFIA

- Nakamura M, Abe Y, Tokunaga T. Pathological significance of vascular endothelial growth factor A isoform expression in human cancer. *Pathol Int* 2002; 52: 331-9.
- Nakashima T, Hudson JM, Clayman GL. Antisense inhibition of vascular endothelial growth factor in human head and neck squamous cell carcinoma. *Head & Neck* 2000; 22: 483-8.
- Neufeld G, Cohen T, Gengrinovitch S, Poltorak Z. Vascular Endothelial Growth Factor (VEGF) and its receptors. *FASEB J* 1999; 13: 9-22.
- Nguyen JT, Wu P, Clouse ME, Hlatky L, Terwilliger EF. Adeno-associated virus-mediated delivery of antiangiogenic factors as an antitumor strategy. *Cancer Res* 1998; 58: 5673-7.
- Nicol D, Hii SI, Walsh M, Teh B, Thompson L, Kennett C, Gotley D. Vascular Endothelial Growth Factor expression is increased in renal cell carcinoma. *J Urol* 1997; 157: 1482-6.
- Norrby K. Mast cells and angiogenesis. *APMIS* 2002; 110: 355-71.
- Obermair A, Bancher-Todesca D, Bilgi S, Kaider A, Kohlberger P, Müllauer-Ertl S, Leodolter S, Gitsch G. Correlation of Vascular Endothelial Growth Factor expression and microvessel density in cervical intraepithelial neoplasia. *J Natl Cancer Inst* 1997; 89: 1212-7.
- O'Brien T, Cranston D, Fuggle S, Bicknell R, Harris AL. Different angiogenic pathways characterize superficial and invasive bladder cancer. *Cancer Res* 1995; 55: 510-3.
- Oku T, Tjuvajev JG, Miyagawa T, Sasajima T, Joshi A, Joshi R, Finn R, Claffey KP, Blasberg RG. Tumor growth modulation by sense and antisense Vascular Endothelial Growth Factor gene expression: effects on angiogenesis, vascular permeability, blood volume, blood flow, fluorodeoxyglucose uptake, and proliferation of human melanoma intracerebral xenografts. *Cancer Res* 1998; 58: 4185-92.
- Olofsson B, Pajusola K, Kaipainen A, von Euler G, Joukov V, Saksela O, Orpana A, Pettersson RF, Alitalo K, Eriksson U. Vascular Endothelial Growth Factor B, a novel growth factor for endothelial cells. *Proc Natl Acad Sci USA* 1996; 93: 2576-81.
- Olson TA, Mohanraj D, Roy S, Ramakrishnan S. Targeting the tumor vasculature: inhibition of tumor growth by a Vascular endothelial Growth Factor-toxin conjugate. *Int J Cancer* 1997; 73: 865-70.
- O'Reilly MS, Holmgren L, Shing Y, Chen C, Rosenthal RA, Moses M, Lane WS, Cao Y, Sage EH, Folkman J. Angiostatin: a novel angiogenesis inhibitor that mediates the suppression of metastases by a Lewis lung carcinoma. *Cell* 1994; 79: 315-28.

Oshika Y, Nakamura M, Tokunaga T, Ozeki Y, Fukushima Y, Hatanaka H, Abe Y, Yamazaki H, Kijima H, Tamaoki N, Ueyama Y. Expression of cell-associated isoform of Vascular Endothelial Growth Factor 189 and its prognostic relevance in non-small cell lung cancer. *Int J Oncol* 1998; 12: 541-4.

Paley PJ, Staskus KA, Gebhard K, Mohanraj D, Twigg LB, Carson LF, Ramakrishnan S. Vascular Endothelial Growth Factor expression in early stage ovarian carcinoma. *Cancer* 1997; 80: 98-106.

Passaniti A, Taylor RM, Pili R, Guo Y, Long PV, Haney JA, Pauly RR, Grant DS, Martin GR. Methods in laboratory investigation. A simple, quantitative method for assessing angiogenesis and antiangiogenic agents using reconstituted basement membrane, heparin and fibroblast growth factor. *Lab Invest* 1992; 67: 519-28.

Patton AM, Kassis J, Doong H, Kohn EC. Calcium as a molecular target in angiogenesis. *Curr Pharm Des* 2003; 9: 543-51.

Pe'er J, Neufeld M, Baras M, Gnessin H, Itin A, Keshet E. Rubeosis iridis in Retinoblastoma. Histologic findings and the possible role of Vascular Endothelial Growth Factor in its induction. *Ophthalmology* 1997; 104: 1251-8.

Pepper MS, Mandriota SJ, Vassalli JD, Orci L, Montesano R. Angiogenesis-Regulating cytokines: activities and interactions. *Curr Top Microbiol Immunol* 1996; 213 (Pt2): 31-67.

Pertovaara L, Kaipainen A, Mustonen T, Orpana A, Ferrara N, Saksela O, Alitalo K. Vascular Endothelial Growth Factor is induced in response to transforming growth factor- $\beta$  in fibroblastic and epithelial cells. *J Biol Chem* 1994; 269: 6271-4.

Petit AMV, Rak J, Hung MC, Rockwell P, Goldstein N, Fendly B, Kerbel RS. Neutralizing antibodies against Epidermal Growth Factor and ErbB-2/neu receptor tyrosine kinases down-regulate Vascular Endothelial Growth Factor production by tumor cells in vitro and in vivo. *Am J Pathol* 1997; 151: 1523-30.

Pfützner W, Przybilla B. Malignant melanoma and levodopa: Is there a relationship? Two new cases and a review of the literature. *J Am Acad Dermatol* 1997; 37: 332-6.

Pidgeon GP, Barr MP, Harme JH, Foley DA, Bouchier-Hayes DJ. Vascular endothelial growth factor (VEGF) upregulates BCL-2 and inhibits apoptosis in human and murine mammary adenocarcinoma cells. *Br J Cancer* 2001; 85: 273-8.

Pierce EA, Avery RL, Foley ED, Aiello LP, Smith LEH. Vascular Endothelial Growth Factor / Vascular Permeability Factor expression in a mouse model of retinal neovascularization. *Proc Natl Acad Sci USA* 1995;

## BIBLIOGRAFIA

92: 905-9.

Plate KH, Breier G, Weich HA, Menzel HD, Risau W. Vascular Endothelial Growth Factor and glioma angiogenesis: coordinate induction of VEGF receptors, distribution of VEGF protein and possible in vivo regulatory mechanisms. *Int J Cancer* 1994; 59: 520-9.

Poltorak Z, Cohen T, Sivan R, Kandelis Y, Spira G, Vlodaysky I, Keshet E, Neufeld G. VEGF<sub>145</sub>, a secreted Vascular Endothelial Growth Factor isoform that binds to extracellular matrix. *J Biol Chem* 1997; 272: 7151-8.

Poste G, Fidler IJ. The pathogenesis of cancer metastasis. *Nature* 1980; 283: 139-46.

Pötgens AJG, Lubsen NH, van Altena MC, Schoenmakers JGG, Ruiter DJ, de Waal RMW. Vascular Permeability Factor expression influences tumor angiogenesis in human melanoma lines xenografted to nude mice. *Am J Pathol* 1995; 146: 197-209.

Pötgens AJG, Westphal HR, de Waal RMW, Ruiter DJ. The role of Vascular Permeability Factor and Basic Fibroblast Growth Factor in tumor angiogenesis. *Biol Chem Hoppe-Seyler* 1995; 376: 57-70.

Pötgens AJG, van Altena MC, Lubsen NH, Ruiter DJ, de Waal RMW. Analysis of the tumor vasculature and metastatic behavior of xenografts of human melanoma cell lines transfected with Vascular Permeability Factor. *Am J Pathol* 1996; 148: 1203-17.

Presta LG, Chen H, O'Connor SJ, Chisholm V, Meng G, Krummen L, Winkler M, Ferrara N. Humanization of an anti-Vascular Endothelial Growth Factor monoclonal antibody for the therapy of solid tumors and other disorders. *Cancer Res* 1997; 57: 4593-9.

Presta M, Leali D, Stabile H, Ronca R, Camozzi M, Coco L, Moroni E, Liekens S, Rusnati M. Heparin derivatives as angiogenesis inhibitors. *Curr Pharm Des* 2003; 9: 553-66.

Rak JW, Hegmann EJ, Lu C, Kerbel RS. Progressive loss of sensitivity to endothelium-derived growth inhibitors expressed by human melanoma cells during disease progression. *J Cell Physiol* 1994; 159: 245-55.

Rak J, Mitsushashi Y, Bayko L, Filmus J, Shirasawa S, Sasazuki T, Kerbel RS. Mutant ras oncogenes upregulate VEGF/VPF expression: implications for induction and inhibition of tumor angiogenesis. *Cancer Res* 1995; 55: 4575-80.

Rak J, Filmus J, Kerbel RS. Reciprocal paracrine interactions between tumour cells and endothelial cells: the "angiogenesis progression" hypothesis. *Eur J Cancer* 1996; 32<sup>a</sup>: 2438-50.

Ramakrishnan S, Olson TA, Bautch VL, Mohanraj D. Vascular Endothelial Growth Factor-toxin conjugate specifically inhibits KDR/flk-1-positive endothelial cell proliferation in vitro and angiogenesis in vivo. *Cancer Res* 1996; 56: 1324-30.

Redondo P, Sanchez-Carpintero I, Bauza A, Idoate M, Solano T, Mihm MC Jr. Immunologic escape and angiogenesis in human malignant melanoma. *J Am Acad Dermatol* 2003; 49: 255-63.

Reed JA, McNutt S, Albino AP. Differential expression of basic fibroblast growth factor (bFGF) in melanocytic lesions demonstrated by in situ hybridization. *Am J Pathol* 1994; 144: 329-36.

Reis-Filho JS, Schmitt FC. Lymphangiogenesis in Tumors: What do we know? *Microsc Res Tech* 2003; 60: 171-80.

Relf M, LeJeune S, Scott PA, Fox S, Smith K, Leek R, Moghaddam A, Whitehouse R, Bicknell R, Harris AL. Expression of the angiogenic factors Vascular Endothelial Growth Factor, acidic and basic fibroblast growth factor, tumor growth factor  $\beta$ -1, platelet-derived endothelial cell growth factor, placenta growth factor, and pleiotrophin in human primary breast cancer and its relation to angiogenesis. *Cancer Res* 1997; 57: 963-9.

Ribatti D, Vacca A, Nico B, De Falco G, Montaldo PG, Ponzoni M. Angiogenesis and anti-angiogenesis in neuroblastoma. *Eur J Cancer* 2002; 38: 750-7.

Ribatti D, Vacca A, Nico B, Presta M, Roncali L. Angiogenesis: basic and clinical aspects. *Ital J Anat Embryol* 2003; 108: 1-24.

Rigel DS, Friedman RJ, Kopf AW. The incidence of malignant melanoma in the United States: issues as we approach the 21<sup>st</sup> century. *J Am Acad Dermatol* 1996; 34: 839-47.

Rigel DS. Malignant Melanoma: Incidence issues and their effect on diagnosis and treatment in the 1990s. *Mayo Clin Proc* 1997; 72: 367-71.

Ríos L, Fernández J. Angiogenesis peritumoral y metástasis. *Piel* 1995; 10: 178-86.

Robinson CJ, Stringer SE. The splice variants of vascular endothelial growth factor (VEGF) and their receptors. *J Cell Sci* 2001; 114: 853-65.

Rosen LS. Clinical experience with angiogenesis signaling inhibitors: Focus on Vascular Endothelial Growth Factor (VEGF) blockers. *Cancer Control* 2002; 9: 36-44.

Ruiz-Maldonado R, Orozco-Covarrubias ML. Malignant melanoma in children. A review. *Arch Dermatol* 1997; 133: 363-71.

## BIBLIOGRAFIA

Saleh M, Stacker SA, Wilks AF. Inhibition of growth of C6 glioma cells in vivo by expression of antisense Vascular Endothelial Growth Factor sequence. *Cancer Res* 1996; 56: 393-401.

Salven P, Heikkilä P, Joensuu H. Enhanced expression of Vascular Endothelial Growth Factor in metastatic melanoma. *Br J Cancer* 1997; 76: 930-4.

Salven P, Keikkilä P, Anttonen A, Kajanti M, Joensuu H. Vascular Endothelial Growth Factor in squamous cell head and neck carcinoma: Expression and prognostic significance. *Mod Pathol* 1997; 10: 1128-33.

Salven P, Lymboussaki A, Heikkilä P, Jääskela-Saari H, Enholm B, Aase K, von Euler G, Eriksson U, Alitalo K, Joensuu H. Vascular Endothelial Growth Factors VEGF-B and VEGF-C are expressed in human tumors. *Am J Pathol* 1998; 153: 103-8.

Samoto K, Ikezaki K, Ono M, Shono T, Kohno K, Kuwano M, Fukui M. Expression of Vascular Endothelial Growth Factor and its possible relation with neovascularization in human brain tumors. *Cancer Res* 1995; 55: 1189-93.

Saxe N, Hoffman M, Krige JE, Sayed R, King HS, Hounsell K. Malignant melanoma in Cape Town, South Africa. *Br J Dermatol* 1998; 138: 998-1002.

Sepp NT, Li LJ, Lee KH, Brown EJ, Caughman SW, Lawley TJ, Swerlick RA. Basic Fibroblast Growth Factor increases expression of the  $\alpha_v\beta_3$  integrin complex on human microvascular endothelial cells. *J Invest Dermatol* 1994; 103: 295-9.

Sengupta S, Gherardi E, Sellers LA, Wood JM, Sasisekharan R, Fan TP. Hepatocyte growth factor / scatter factor can induce angiogenesis independently of vascular endothelial growth factor. *Arterioscler Thromb Vasc Biol* 2003; 23: 69-75.

Shibuya M. Role of VEGF-FLT receptor system in normal and tumor angiogenesis. *Adv Cancer Res* 1995; 67: 281-316.

Shweiki D, Neeman M, Itin A, Keshet E. Induction of Vascular Endothelial Growth Factor expression by hypoxia and by glucose deficiency in multicell spheroids: implications for tumor angiogenesis. *Proc Natl Acad Sci USA* 1995; 92: 768-72.

Siemeister G, Schirner M, Reusch P, Barleon B, Marmé D, Martiny-Baron G. An antagonistic vascular endothelial growth factor (VEGF) variant inhibits VEGF-stimulated receptor autophosphorylation and proliferation of human endothelial cells. *Proc Natl Acad Sci USA* 1998; 95: 4625-9.

Sim BKL, MacDonald NJ, Gubish ER. Angiostatin and Endostatin: Endogenous inhibitors of tumor growth. *Cancer Met Rev* 2000; 19: 181-90.

Skobe M, Rockwell P, Goldstein N, Vosseler S, Fusening NE. Halting angiogenesis suppresses carcinoma cell invasion. *Nature Med* 1997; 3: 1222-7.

Sledge GW, Miller KD. Angiogenesis and antiangiogenic therapy. *Curr Probl Cancer* 2002; 26: 1-60.

Sledge GW. Vascular Endothelial Growth Factor in breast cancer: biologic and therapeutic aspects. *Semin Oncol* 2002; 29: 104-10.

Smirne C, Camandona M, Rosso E, Bellone G, Emanuelli G. Il Vascular Endothelial Growth Factor. Dalla ricerca di base all'applicazione clinica. *Minerva Med* 1999; 90:15-23.

Smith JG, Walzem RL, German JB. Liposomes as agents of DNA transfer. *Biochim Biophys Acta* 1993; 1154: 327-40.

Smyth AP, Rook SL, Detmar M, Robinson GS. Antisense oligonucleotides inhibit Vascular Endothelial Growth Factor / Vascular Permeability Factor expression in normal human epidermal keratinocytes. *J Invest Dermatol* 1997; 108: 523-6.

Soff GA. Angiostatin and angiostatin-related proteins. *Cancer Met Rev* 2000; 19: 97-107.

Soker S, Goldstaub D, Svahn CM, Vlodavsky I, Levi BZ, Neufeld G. Variations in the size and sulfation of heparin modulate the effect of heparin on the binding of VEGF<sub>165</sub> to its receptors. *Biochem Biophys Res Commun* 1994; 203: 1339-47.

Soker S, Fidler H, Neufeld G, Klagsbrun M. Characterization of novel Vascular Endothelial Growth Factor (VEGF) receptors on tumor cells that bind VEGF<sub>165</sub> via its exon 7-encoded domain. *J Biol Chem* 1996; 271: 5761-7.

Soker S, Gollamudi-Payne S, Fidler H, Charmahelli H, Klagsbrun M. Inhibition of Vascular Endothelial Growth Factor (VEGF)-induced endothelial cell proliferation by a peptide corresponding to the exon 7-encoded domain of VEGF<sub>165</sub>. *J Biol Chem* 1997; 272: 31582-8.

Srivastava A, Laidler P, Hughes LE, Woodcock J, Shedden EJ. Neovascularization in human cutaneous melanoma: A quantitative morphological and Doppler ultrasound study. *Eur J Cancer Clin Oncol* 1986; 22: 1205-9.



## BIBLIOGRAFIA

Srivastava A, Laidler P, Davies RP, Horgan K, Hughes LE. The prognostic significance of tumor vascularity in intermediate-thickness (0.76-4.0 mm thick) skin melanoma. *Am J Pathol* 1988; 133: 419-23.

Srivastava A, Hughes LE, Woodcock JP, Laidler P. Vascularity in cutaneous melanoma detected by Doppler sonography and histology: Correlation with tumor behaviour. *Br J Cancer* 1989; 59: 89-91.

Stacker SA, Baldwin ME, Achen MG. The role of tumor lymphangiogenesis in metastatic spread. *FASEB J* 2002; 16: 922-34.

Stavri GT, Hong Y, Zachary IC, Breier G, Baskerville PA, Ylä-Herttuala S, Risau W, Martin JF, Erusalimsky JD. Hypoxia and platelet-derived growth factor-BB synergistically upregulate the expression of Vascular Endothelial Growth Factor in vascular smooth muscle cells. *FEBS Lett* 1995, 358: 311-5.

Stern RS, Nichols KT, Väkevä LH. Malignant melanoma in patients treated for psoriasis with methoxsalen (psoralen) and ultraviolet A radiation (PUVA). *N Engl J Med* 1997; 336: 1041-5.

Straume O, Akslen LA. Expression of Vascular Endothelial Growth Factor, its receptors (Flt-1, KDR) and TSP-1 related to microvessel density and patient outcome in vertical growth phase melanomas. *Am J Pathol* 2001; 159: 223-35.

Strawn LM, McMahon G, App H, Schreck R, Kuchler WR, Longhi MP, Hui TH, Tang C, Levitzki A, Gazit A, Chen I, Keri G, Orfi L, Risau W, Flamme I, Ullrich A, Hirth P, Shawver LK. Flk-1 as a target for tumor growth inhibition. *Cancer Res* 1996; 56: 3540-45.

Streit M, Detmar M. Angiogenesis, lymphangiogenesis, and melanoma metastasis. *Oncogene* 2003; 22: 3172-9.

Sudhakar A, Sugimoto H, Yang C, Lively J, Zeisberg M, Kalluri R. Human tumstatin and human endostatin exhibit distinct antiangiogenic activities mediated by alpha v beta 3 and alpha 5 beta 1 integrins. *Proc Natl Acad Sci USA* 2003; 100: 4766-71.

Sugihara T, Kaul SC, Mitsui Y, Wadhwa R. Enhanced expression of multiple forms of VEGF is associated with spontaneous immortalization of murine fibroblasts. *Biochim Biophys Acta* 1994; 1224: 365-70.

Sugihara T, Wadhwa R, Kaul SC, Mitsui Y. A novel alternatively spliced form of murine Vascular Endothelial Growth Factor, VEGF 115. *J Biol Chem* 1998; 273: 3033-8.

Sunderkotter C, Steinbrink K, Goebeler M, Bhardwaj R, Sorg C. Macrophages and angiogenesis. *J Leukoc Biol* 1994; 55: 410-22.

Sweeney CJ, Miller KD, Sledge Jr GW. Resistance in the anti-angiogenic era: nay-saying or a word of caution? *Trends Mol Med* 2003; 9: 24-9.

Tahan SR, Stein AL. Angiogenesis in invasive squamous cell carcinoma of the lip: tumor vascularity is no an indicator of metastatic risk. *J Cutan Pathol* 1995; 22: 236-40.

Takahashi A, Sasaki H, Kim SJ, Tobisu K, Kakizoe T, Tsukamoto T, Kumamoto Y, Sugimura T, Terada M. Markedly increased amounts of messenger RNAs for Vascular Endothelial Growth Factor and Placenta Growth Factor in renal cell carcinoma associated with angiogenesis. *Cancer Res* 1994; 54: 4233-7.

Takahashi M, Kawabe T, Ogura K, Maeda S, Mikami Y, Kaneko N, Terano A, Omata M. Expression of Vascular Endothelial Growth Factor at the human gastric ulcer margin and in cultured gastric fibroblasts: a new angiogenic factor for gastric ulcer healing. *Biochem Biophys Res Commun* 1997; 234: 493-8.

Takahashi Y, Tucker SL, Kitadai Y, Koura AN, Bucana CD, Cleary KR, Ellis LM. Vessel counts and expression of Vascular Endothelial Growth Factor as prognostic factors in node-negative colon cancer. *Arch Surg* 1997; 132: 541-6.

Takahashi Y, Bucana CD, Akagi Y, Liu W, Cleary KR, Mai M, Ellis LM. Significance of platelet-derived endothelial cell growth factor in the angiogenesis of human gastric cancer. *Clin Cancer Res* 1998; 4: 429-34.

Takahashi Y, Ellis LM, Mai M. The angiogenic switch of human colon cancer occurs simultaneous to initiation of invasion. *Oncol Rep* 2003; 10: 9-13.

Takanami I, Tanaka F, Hashizume T, Kodaira S. Vascular Endothelial Growth Factor and its receptor correlate with angiogenesis and survival in pulmonary adenocarcinoma. *Anticancer Res* 1997; 17: 2811-4.

Takeshita S, Zheng LP, Brogi E, Kearney M, Pu LQ, Bunting S, Ferrara N, Symes JF, Isner JM. Therapeutic angiogenesis. A single intraarterial bolus of Vascular Endothelial Growth Factor augments revascularization in a rabbit ischemic hind limb model. *J Clin Invest* 1994; 93: 662-70.

Tanigawa N, Amaya H, Matsumura M, Shimomatsuya T. Correlation between expression of Vascular Endothelial Growth Factor and tumor vascularity, and patient outcome in human gastric carcinoma. *J Clin Oncol* 1997; 15: 826-32.

Taylor CM, Kissun RD, Schor AM, McLeod D, Garner A, Weiss JB. Endothelial-cell-stimulating angiogenesis factor in vitreous from extraretinal neovascularizations. *Invest Ophthalmol Vis Sci* 1989; 30: 2174-8.

## BIBLIOGRAFIA

Teicher BA, Holden SA, Ara G, Alvarez Sotomayor E, Huang ZD, Chen YN, Brem H. *Int J Cancer* 1994; 57: 920-5.

Tessler S, Rockwell P, Hicklin D, Cohen T, Levi BZ, Witte L, Lemischka IR, Neufeld G. Heparin modulates the interaction of VEGF<sub>165</sub> with soluble and cell associated flk-1 receptors. *J Biol Chem* 1994; 269: 12456-61.

Thomas AL, Morgan B, Dreves J, Unger C, Wiedenmann B, Vanhoefer U, Laurent D, Dugan M, Steward WP. Vascular endothelial growth factor receptor tyrosine kinase inhibitors: PTK787/ZK 222584. *Semin Oncol* 2003; 30: 32-8.

Tischer E, Mitchell R, Hartman T, Silva M, Gospodarowicz D, Fiddes JC, Abraham JA. The human gene for Vascular Endothelial Growth Factor. *J Biol Chem* 1991; 266: 11947-54.

Toi M, Hoshina S, Takayanagi T, Tominaga T. Association of Vascular Endothelial Growth Factor expression with tumor angiogenesis and with early relapse in primary breast cancer. *Jpn J Cancer Res* 1994; 85: 1045-9.

Tokumo K, Kodama J, Seki N, Nakanishi Y, Miyagi Y, Kamimura S, Yoshinouchi M, Okuda H, Kudo T. Different angiogenic pathways in human cervical cancers. *Gynecol Oncol* 1998; 68: 38-44.

Tokunaga T, Oshika Y, Abe Y, Ozeki Y, Sadahiro S, Kijima H, Tsuchida T, Yamazaki H, Ueyama Y, Tamaoli N, Nakamura M. Vascular Endothelial Growth Factor (VEGF) mRNA isoform expression pattern is correlated with liver metastasis and poor prognosis in colon cancer. *Br J Cancer* 1998; 77: 998-1002.

Topley P, Jenkins DC, Jessup EA, Stables JN. Effect of reconstituted basement membrane components on the growth of a panel of human tumour cell lines in nude mice. *Br J Cancer* 1993; 67: 953-8.

Tosetti F, Ferrari N, De Flora S, Albin A. "Angioprevention": angiogenesis is a common and key target for cancer chemopreventive agents. *FASEB J* 2002; 16: 2-14.

Tsai JC, Goldman CK, Gillespie GY. Vascular Endothelial Growth Factor in human glioma cell lines: induced secretion by EGF, PDGF-BB, and bFGF. *J Neurosurg* 1995; 82: 864-73.

Uthoff SMS, Duchrow M, Schmidt MHH, Broll R, Bruch HP, Strik MW, Galandiuk S. VEGF isoforms and mutations in human colorectal cancer. *Int J Cancer* 2002; 101: 32-6.

Vacca A, Ribatti D, Roncali L, Lospalluti M, Serio G, Carrel S, Dammacco F. Melanocyte tumor progression is associated with changes in angiogenesis and expression of the 67-kilodalton laminin receptor. *Cancer* 1993; 72: 455-61.

Vailhé B, Feige JJ. Thrombospondins as Anti-Angiogenic therapeutic agents. *Curr Pharm Des* 2003; 9: 583-8.

Van der Esch EP, Muir CS, Nectoux J, Macfarlane G, Maisonneuve P, Bharucha H, Briggs J, Cooke RA, Dempster AG, Essex WB, Hofer PA, Hood AF, Ironside P, Larsen TE, Little JH, Philipps R, Pfau RS, Prade M, Pozharisski KM, Rilke F, Schafner K. Temporal change in diagnostic criteria as a cause of the increase of malignant melanoma over time is unlikely. *Int J Cancer* 1991; 47: 483-90.

Velasco P, Lange-Asschenfeldt B. Dermatological aspects of angiogenesis. *Br J Dermatol* 2002; 147: 841-52.

Vermeulen PB, Gasparini G, Fox SB, Toi M, Martin L, McCulloch P, Pezzella F, Viale G, Weidner N, Harris AL, Dirix LY. Quantification of angiogenesis in solid human tumours: an international consensus on the methodology and criteria of evaluation. *Eur J Cancer* 1996; 32: 2474-84.

Viac J, Palacio S, Schmitt D, Claudy A. Expression of Vascular Endothelial Growth Factor in normal epidermis, epithelial tumors and cultured keratinocytes. *Arch Dermatol Res* 1997; 289: 158-63.

Viac J, Schmitt D, Claudy A. Circulating Vascular Endothelial Growth Factor (VEGF) is not a prognostic indicator in malignant melanoma. *Cancer Letters* 1998; 125: 35-8.

Viglietto G, Maglione D, Rambaldi M, Cerutti J, Romano A, Trapasso F, Fedele M, Ippolito P, Chiappetta G, Botti G, et al. Upregulation of Vascular Endothelial Growth Factor (VEGF) and downregulation of Placenta Growth Factor (PlGF) associated with malignancy in human thyroid tumors and cell lines. *Oncogene* 1995; 11: 1569-79.

Vinore SA, Kuchle M, Mahlow J, Chiu C, Green WR, Campochiaro PA. Blood-ocular barrier breakdown in eyes with ocular melanoma. A potential role for Vascular Endothelial Growth Factor / Vascular Permeability Factor. *Am J Pathol* 1995; 147: 1289-97.

Vlassov VV, Balakireva LA, Yakubov LA. Transport of oligonucleotides across natural and model membranes. *Biochim Biophys Acta* 1994; 1197: 95-108.

Vlaykova T, Laurila P, Muhonen T, Hahka-Kemppinen M, Jekunen A, Alitalo K, Pyrhönen S. Prognostic value of tumour vascularity in metastatic melanoma and association of blood vessel density with Vascular Endothelial Growth Factor expression. *Melanoma Res* 1999; 9: 59-68.

Volm M, Koomägi R, Mattern J. Prognostic value of Vascular Endothelial Growth Factor and its receptor Flt-1 in squamous cell lung cancer. *Int J Cancer* 1997; 74: 64-8.

Waleh NS, Brody MD, Knapp MA, Mendonca HL, Lord EM, Koch CJ, Laderoute KR, Sutherland RM.

## BIBLIOGRAFIA

Mapping of the Vascular Endothelial Growth Factor-producing hypoxic cells in multicellular tumor spheroids using a hypoxia-specific marker. *Cancer Res* 1995; 55: 6222-26.

Wallace AL, McLaughlin B, Weiss JB, Hughes SP. Increased endothelial cell stimulating angiogenesis factor in patients with tibial fractures. *Injury* 1991; 22: 375-6.

Walter SD, Marrett LD, From L, Hertzman C, Shannon HS, Roy P. The association of cutaneous malignant melanoma with the use of sunbeds and sunlamps. *Am J Epidemiol* 1990; 131: 232-43.

Walter SD, Marrett LD, Shannon HS, From L, Hertzman C. The association of cutaneous malignant melanoma and fluorescent light exposure. *Am J Epidemiol* 1992; 135: 749-62.

Wang X, Fu X, Brown PD, Crimmin MJ, Hoffman RM. Matrix metalloproteinase inhibitor BB-94 (Batimastat) inhibits human colon tumor growth and spread in a patient-like orthotopic model in nude mice. *Cancer Res* 1994; 54: 4726-8.

Wang Y, Becker D. Antisense targeting of basic fibroblast growth factor and fibroblast growth factor receptor – 1 in human melanomas blocks intratumoral angiogenesis and tumor growth. *Nature Med* 1997; 3: 887-93.

Warren RS, Yuan H, Matli MR, Gillett NA, Ferrara N. Regulation by Vascular Endothelial Growth Factor of human colon cancer tumorigenesis in a mouse model of experimental liver metastasis. *J Clin Invest* 1995; 95: 1789-97.

Wedge SR, Ogilvie DJ, Dukes M, Kendrew J, Curwen JO, Hennequin LF, Thomas AP, Stokes ESE, Curry B, Richmond GHP, Wadsworth PF. ZD4190: An orally active inhibitor of vascular endothelial growth factor signaling with broad-spectrum antitumor efficacy. *Cancer Res* 2000; 60: 970-5.

Weidner N, Semple JP, Welch WR, Folkman J. Tumor angiogenesis and metastasis – correlation in invasive breast carcinoma. *N Engl J Med* 1991; 324: 1-8.

Weindel K, Marmé D, Weich HA. AIDS-associated Kaposi's sarcoma cells in culture express Vascular Endothelial Growth Factor. *Bioch Biophys Res Commun* 1992; 183: 1167-74.

Weindel K, Moringlane JR, Marmé D, Weich HA. Detection and quantitation of Vascular Endothelial Growth Factor / Vascular Permeability Factor in brain tumor tissue and cyst fluid: The key to angiogenesis? *Neurosurgery* 1994; 35: 439-49.

Weiss JB, McLaughlin B. Endothelial cell stimulating angiogenesis factor. *Int J Biochem Cell Biol* 1998; 30: 423-7.

Welch DR, Bisi JE, Miller BE, Conaway D, Seftor EA, Yohem KH, Gilmore LB, Seftor REB, Nakajima M, Hendrix MJC. Characterization of a highly invasive and spontaneously metastatic human malignant melanoma cell line. *Int J Cancer* 1991; 47: 227-37.

Wellstein A, Czubayko F. Inhibition of fibroblast growth factors. *Breast Cancer Res and Treat* 1996; 38: 109-19.

Westphal JR, van't Hullenaar RGM, van der Laak JAWM, Cornelissen IMHA, Schalkwijk LJM, van Muijen GNP, Weeseling P, de Wilde PCR, Ruiter DJ, de Waal RMW. Vascular density in melanoma xenografts correlates with Vascular Permeability Factor expression but not with metastatic potential. *Br J Cancer* 1997; 76: 561-70.

Williams B, Gallacher B, Patel H, Orme C. Glucose-induced protein kinase C activation regulates Vascular Permeability Factor mRNA expression and peptide production by human vascular smooth muscle cells in vitro. *Diabetes* 1997; 46: 1497-503.

Wizigmann-Voos S, Breier G, Risau W, Plate KH. Up-regulation of Vascular Endothelial Growth Factor and its receptors in von Hippel-Lindau disease-associated and sporadic hemangioblastomas. *Cancer Res* 1995; 55: 1358-64.

Yamamoto T, Terada N, Nishizawa Y, Petrow V. Angiostatic activities of medroxyprogesterone acetate and its analogues. *Int J Cancer* 1994; 56: 393-9.

Yang JC, Haworth L, Sherry RM, Hwu P, Schwartzentruber DJ, Topalian SL, Steinberg SM, Chen HX, Rosenberg SA. A randomized trial of bevacizumab, an anti-Vascular Endothelial Growth Factor antibody, for metastatic renal cancer. *N Engl J Med* 2003; 349: 427-34.

Yuan F, Chen Y, Dellian M, Safabakhsh N, Ferrara N, Jain RK. Time-dependent vascular regression and permeability changes in established human tumor xenografts induced by an anti-Vascular Endothelial Growth Factor / Vascular Permeability Factor antibody. *Proc Natl Acad Sci USA* 1996; 93: 14765-70.

Zabrenetzky V, Harris CC, Steeg PS, Roberts DD. Expression of the extracellular matrix molecule thrombospondin inversely correlates with malignant progression in melanoma, lung and breast carcinoma cell lines. *Int J Cancer* 1994; 59: 191-5.

Zetter BR. The cellular basis of site-specific tumor metastasis. *N Engl J Med* 1990; 322: 605-12.

Zhang Y, Deng Y, Luther T, Müller M, Ziegler R, Waldherr R, Stern DM, Nawroth PP. Tissue Factor controls the balance of angiogenic and antiangiogenic properties of tumor cells in mice. *J Clin Invest* 1994; 94: 1320-7.

## BIBLIOGRAFIA

Zhang HT, Craft P, Scott PAE, Ziche M, Weich HA, Harris AL, Bicknell R. Enhancement of tumor growth and vascular density by transfection of Vascular Endothelial Cell Growth Factor into MCF-7 human breast carcinoma cells. *J Natl Cancer Inst* 1995; 87: 213-9.

Zhang YW, Su Y, Volpert OV, Vande Woude GF. Hepatocyte growth factor / scatter factor mediates angiogenesis through positive VEGF and negative thrombospondin 1 regulation. *Proc Natl Acad Sci USA* 2003; 100: 12718-23.