

References:

- Adachi Y., Yamamoto H., Itoh F., Hinoda Y., Okada Y. and Imai K. (1999) Contribution of matrilysin (MMP-7) to the metastatic pathway of human colorectal cancers. *Gut* **45**: 252–258.
- Ahamad N., Feyes D.K., Agarwal R. and Makhtar H. (1998) Photodynamic therapy results in induction of WAF1/ CIP/ P21 leading to cell cycle arrest and apoptosis. *Proc. Natl. Acad. Sci. (PNAS)*, **95**: 6977-6982.
- Ambrosini G., Adida C. and Altieri D.C. (1997) A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma. *Nat. Med.*, **3**: 917-921.
- Anholt R.R.H, Pedersen P.L., De Souza E.B., Snyder S.H. (1986) The peripheral-type benzodiazepine receptor-localization to the mitochondrial outer membrane. *J Biological Chem.* **261**: 576-583.
- Anti-angiogenesis drugs; 2003. <http://www.info.md.yale.edu/ycc>.
- Antonioli D.A. and Wang H.H. (1997) Morphology of Barrett's esophagus and Barrett's associated-associated dysplasia and adenocarcinoma. *Journal of Gastroenterology clinics* **26(3)**: 495-506.

- Ashton-Rickardt P.G., Dunlop M.G., Nakamura Y., Morris R.G., Purdie C.A., Steel C.M., Evans H.J., Bird C.C. and Wyllie AH. (1989) High frequency of APC loss in sporadic colorectal carcinoma due to breaks clustered in 5q21-22. *Oncogene* 4(10):1169-74.
- Bagchi S., Weinmann R. and Raychaudhuri P. (1991) The Restinoblastoma protein copurifies with E2F-1, an E1-A regulated inhibitor of the transcription factor E2F-1. *Cell* 65, pp. 1053–1061.
- Bai C., Connolly B., Metzker M.L., Hilliard C.A., Liu X., Sandig V., Sodeman A., Galloway S.M., Liu Q., Austin C.P. and Caskey C.T. (2000) Overexpression of M68/DcR3 in human gastrointestinal tract tumors independent of gene amplification and its location in a four-gene cluster. *Proc. Natl. Acad. Sci. (PNAS)*, 97: 1230-1235.
- Bai C., Connolly B., Metzker M.L., Hilliard C.A., Liu X., Sandig V., Soderman A., Galloway S.M., Liu Q., Austin C.P. and Caskey C.T. (2000) Overexpression of M68/DcR3 in human gastrointestinal tract tumors independent of gene amplification and its location in a four-gene cluster. *Proc. Natl. Acad. Sci.* 97: 1230–1235.

- Bebb J.R., Letley D.P., Thomas R.J., Aviles F., Collins H.M., Watson S.A., Hand N.M., Zaiton A. and Atherton J.C. (2003) *Helicobacter pylori* upregulates matrilysin (MMP-7) in epithelial cells in vivo and in vitro in a Cag dependent manner. *Gut* **52**: 1408-1413.
- Bednarek A.K., Keck-Waggoner C.L., Daniel R.L., Laflin K.J., Bergsagel P.L., Kiguchi K., Brenner A.J. and Aldaz C.M. (2001) WWOX, the FRA16D gene, behaves as a suppressor of tumor growth. *Cancer Res.* **61(22)**: 8068-73.
- Bednarek A.K., Laflin K.J., Daniel R.L., Liao Q., Hawkins K.A. and Aldaz C.M. (2000) WWOX, a novel WW domain-containing protein mapping to human chromosome 16q23.3-24.1, a region frequently affected in breast cancer. *Cancer Res.* **60(8)**: 2140-5.
- Berchovich A., Ferrase C., Cavaletti G., Alho H., Marzorati C., Bianchi G., Guidioti A., and Costa E. (1993) Topology of two DBI receptors in human lymphocytes. *Life Sci* **52**: 1265-1277.
- Bernassau J.M., Rversat J.L., Ferrara P., Caput D. and Lefur G. (1993) A 3D model of the peripheral benzodiazepine receptor and its implication in intra mitochondrial transport. *J. Mol. Graphics* **11**: 236-244.

- Bernstein C., Bernstein H., Payne C.M. and Garewal H. (2000) Field defects in progression to adenocarcinoma of the colon and esophagus. *Electronic journal of biotechnology* **3(3)**: 1-24.
- Boynton, R. F.; Blount, P. L.; Yin, J.; Brown, V. L.; Huang, Y.; Tong, Y.; McDaniel, T.; Newkirk, C.; Resau, J. H.; Raskind, W. H.; Haggitt, R. C.; Reid, B. J.; Meltzer, S. J. (1992) Loss of heterozygosity involving the APC and MCC genetic loci occurs in the majority of human esophageal cancers. *Proc. Nat. Acad. Sci.* **89**: 3385-3388.
- Braerstrup C., and Squires R.F. (1977) Specific benzodiazepine receptors in rat brain characterized by high-affinity [³H] diazepam binding. *Proc Natl. Acad. Sci. USA* **74**: 3805-3809.
- Cadigan K.M. and Nusse R. (1997) Wnt signaling: a common theme in animal development. *Genes Dev.* **11**: 3286–3305.
- Cahard D., Canat X., Carayon P., Roque C., Casellas P., and Le Fur G. (1994) Subcellular localization of peripheral benzodiazepine receptors on human leukocytes. *Lab Invest* **70**: 23-28.

- Canat X., Carayon P., Bouabooula M., Cahard D., Shire D., Roque C., Le Fur G. and Casellas P. (1992) Distribution profile and properties of peripheral-type benzodiazepine receptors on human hemopoietic cells. *Life Sci* **52**: 107-118.
- Casellas P., Galiegue S., Basile A.S. (2002) Peripheral benzodiazepine receptors and mitochondria function; *Neurochemistry International* **40**: 475-486.
- Chang N. (2002) A Potential role of p53 and WOX1 in mitochondrial apoptosis (Review); *International Journal of Molecular Medicine* **9**:19-24.
- Chellappan, S. P., Hiebert, S., Mudryj, M., and Nevins, J. R. (1991) The E2F transcription factor is a cellular target for the RB protein. *Cell*, **65**: 1053-1061.
- Chelli B., Falleni A., Salvetti F., Gremigni V., Lucacchini A., Martini C. (2001) Peripheral-type benzodiazepine receptor ligands: mitochondrial permeability transition induction in rat cardiac tissue. *Biochemical Pharmacology*. **61**: 695-705.
- Chen H., Wang L., Guo M., Gao S., Guo H., Fan Z., Li J. (2003) Alterations of p53 and PCNA in cancer and adjacent tissues from concurrent carcinomas of the esophagus and gastric cardia in the same patient in Linzhou, a high incidence area for esophageal cancer in Northern China; *World J Gastroenterol* **9(1)**: 16-21.

- Clifford A., Morgan D., Yuspa S.H., Soler A.P. and Gilmour S. (1995) Role of Ornithine Decarboxylase in epidermal tumorigenesis. *Cancer Research*, **55**: 160-1686.
- Coppola D., Schreiber R.H., Mora L., Dalton W. and Karl R.C. (1999) Significance of Fas and restinoblastoma protein expression during progression of Barrett's metaplasia to adenocarcinoma. *Ann. Surg. Oncol.* **6(3)**: 298–304.
- Cui Y., Wang J., Zhan X., Lang R., Bi M., Guo L. and Lu S.H. (2003) ECRG2, a novel candidate of tumor suppressor gene in the esophageal carcinoma, interacts directly with metallothionein 2A and links to apoptosis. *Biochem Biophys Res Commun.* **302(4)**: 904-15.
- Daigo Y., Nishiwaki T., Kawasoe T., Tamari M., Tsuchiya E. and Nakamura Y. (1999) Molecular Cloning of a Candidate Tumour Suppressor Gene, DLC1, from chromosome 3p21.3. *Cancer Research*, **59**: 1966-1972.
- Dimmeler S. and Zeiher A.M. (2000) Endothelial cell apoptosis in Angiogenesis and Vessel regression *Circulation Research*, **87**: 434.
- Diwu Z. and Lown J.W. (1993) Photosensitization with anticancer agents. 17. EPR studies of photodynamic action of hypericin: formation of semiquinone

- radical and activated oxygen species on illumination. *Free Radic Biol Med.* **14(2)**: 209-15.
- Dlamini Z. and Bhoola K.D. (2005) Upregulation of tissue kallikrein, Kinin B1 and B3 Receptors in Mast and Giant Cells infiltrating oesophageal squamous cell carcinoma. *Journal of Clinical Pathology*, in press.
 - Doki Y., Imoto M., Han K. E., Sgambato A. and Wienstein I.B. (1997) Increased expression of the P27^{KIP1} protein in human esophageal cancer cell lines that over-express cyclin D1. *Carcinogenesis* **18 (6)**: 1139-1148;
 - Dureja P. Barrett's Oesophagus. (2002) *TSMJ* **3**: 27-29.
 - Faergeman N.J. and Knudsen J. (1997) Role of long-chain fatty acyl-coA esters in the regulation of metabolism and in cell signaling. *Biochem. J.* **323**:1-12.
 - Faergeman N.J. and Knudsen J. (2002) Acyl-CoA binding protein is an essential protein in mammalian cell lines. *Biochem J.* **368**: 679-682.
 - Gandolfo P., Patte C., Leprince J., Do Régo J., Mensah-Nyagan A.G., Vaudry H., Tonon M. (2000) The Triakontatetrauropeptide (TTN) Stimulates Thymidine Incorporation in Rat Astrocytes Through Peripheral-Type Benzodiazepine Receptors; *J. Neurochem.* **75**: 701-707.

- Garnier M., Boujrad N., Oke BO, Brown A.S., Riond J., Ferrara P., Shoyab M., Suarez-Quian C.A. and Papadopoulos V. (1993) Diazepam binding inhibitor is a paracrine/autocrine regulator of Leydig cell proliferation and steroidogenesis: Action via peripheral-type benzodiazepine receptor and independent mechanisms. *Endocrinology* **132**: 444-4
- Goss K.J.H., Brown P.D. and Matrisian L.M. (1998) Differing effects of endogenous and synthetic inhibitors of metalloproteinases on intestinal tumorigenesis. *Int. J. Cancer* **78**: 629–635.
- Gossner L., Stolte M., Sroka R., Rick K., May A., Hahn E.G. Ell C. (1998) Photodynamic ablation of high-grade dysplasia and early cancer in Barret's esophagus by means of 5-aminolevulinic acid. *Gastroenterology*, **114**: 448-455.
- Grabowski P., Kühnel T., Mühr-Wilkeshoff F., Heine B., Stein H., Höpfner M., Germer C.T. and Scherübl H. (2003) Prognostic value of nuclear surviving expression in oesophageal squamous cell carcinoma. *British Journal of Cancer*, **88**: 115-119.
- Haggitt R.C., Tryzelaar J, Elliss F.H. (1978). Adenocarcinoma complicating columnar-lined (Barret's) esophagus. *Am J Clin Pathol* **70**:1-5.

- Hainaut P., Soussi T., Shomer B., Hollstein M., Greenblatt M., Hovig E., Harris C.C. and Montesano R. (1997) Database of p53 gene somatic mutation in human tumors and cell lines: updated compilation and future prospects. *Nucleic Acids Res.* **25**: 151–157.
- Harwick M., Fertikh D., Culty M., Li H., Vidic B. and Papadopoulos V. (1999) Peripheral-Type Benzodiazepine Receptor (PBR) in Human Breast Cancer: Correlation of Breast Cancer Cell Aggressive Phenotype with PBR Expression, Nuclear Localisation, and PBR-mediated Cell Proliferation and Nuclear Transport of Cholesterol; *Cancer Research* **59**: 831-842.
- Hasegawa S., Koshikawa N., Momiyama N., Moriyama K., Ichikawa Y., Ishikawa T., Mitsuhashi M., Shimada H. and Miyazaki K. (1998) Matrisylin-specific antisense oligonucleotide inhibits liver metastasis of human colon cancer cells in a nude mouse model. *Int. J. Cancer* **76**: 812–816.
- Hasegawa S., Koshikiwa N., Momiyama N., Moriyama K., Ichikawa Y., Ishikawa T., Mitsuhashi M., Shimada H. and Miyazaki K. (1998) Matrilysin-specific antisense oligonucleotide inhibits liver metastasis of human colon cancer cells in a nude mouse model. *Int J Cancer.* **76(6)**: 812-6.
- Heby O. and Persson L. (1990) Molecular genetics of polyamine synthesis in eukaryotic cells. *Trends Biochemical Sciences*, **172**:153-158.

- Höpfner M., Maaser K., Theiss A., Lenz M., Sutter A.P., Kashtan H., Von Lampe B., Riecken E.O., Zeitz M. and Scherübl H. (2003) Hypericin activated by an incoherent light source has photodynamic effects on esophageal cancer cells. *Int J Colorectal Dis.*, **18**: 239-247.
- Hughes S.J., Glover T.W., Zhu X., Kuick R., Thoraval D., Orringer M.B., Beer D.G. and Hanash S. (1998) A novel amplicon at 8p322-23 results in over-expression of cathepsin B in esophageal adenocarcinoma. *Proc. Natl. Acad. Sci. (PNAS)*, **95**:12410-12415.
- Ishii H., Baffa R., Numata S., Murakumo Y., Rattan S., Inoue H., Mori M., Fidanza V., Alder H. and Croce C. M. (1999) The *FEZ1* gene at chromosome 8p22 encodes a leucine-zipper protein, and its expression is altered in multiple human tumors. *Proc. Natl. Acad. Sci. (PNAS)*, **96**: 3928-3933.
- Itzhak Y. and Norenberg M.D. (1994a) Regulation of PBR in cultured astrocytes by monoamine and amino acid neurotransmitters. *Brain Res.* **660**: 346-348.
- Jefcoate C.R., McNamara B.C., Artemenko I., Yamazaki T. (1992). Regulation of cholesterol movement to mitochondria cytochrome P450_{scc} in steroid hormone synthesis. *J Steroid Biochem Mol Biol* **43**:751-767.

- Jiang W., Zhang Y.J., Kahn S.M., Hollstein M.C., Santella R.M., Lu S.H., Harris C.C., Montesano R., Weinstein I.B. (1993) Altered expression of the cyclin D1 and retinoblastoma genes in human esophageal cancer. *Proc. Natl. Acad. Sci.* **90**: 9026–9030.
- Joseph-Liauzun E., Delmas P., Shire D. and Ferrara P. (1998) Topological analysis of the peripheral benzodiazepine receptor in yeast mitochondrial membrane supports a five transmembrane structure. *J. Biol. Chem.* **273**: 2146–2152.
- Kang S.K., Burnett C.A., Freund E., Walker J., Lalich N. and Sestito J. (1997) Gastrointestinal cancer mortality of workers in occupations with high asbestos exposure. *Am. J. Ind. Med.* **31(6)**: 713–718.
- Katada N., Hinder R.A., Smyrk T.C., Hirabayashi N., Perdakis G., Lund R.J., Woodward T., Klingler P.J., Peters J.H. and Moody F.G. (1997) Apoptosis is inhibited early in the dysplasia–carcinoma sequence of Barrett esophagus. *Arch Surg* **132(7)**: 728–733.
- Kato J., Matsushime H., Hiebert S.W., Ewen M.E. and Sherr C.J. (1993) Direct binding of cyclin D to the restinoblastoma gene product (pRb) and pRb phosphorylation by the cyclin D-dependent kinase CDK4. *Genes Dev.* **7(3)**: 331–342.

- Kawano M.M., Mihara K., Huang N., Tsujimoto T. and Kuramoto A. (1995) Differentiation of early plasma cells on bone marrow stromal cells requires interleukin-6 for escaping from apoptosis. *Journal of the American Society of hematology*, **85(2)**: 487-494.
- Keppler D. and Sloane B.F. Cathepsin B: multiple enzyme forms from a single gene and their relation to cancer. *Enzyme Protein* **49(1-3)**: 94-105, 1996.
- Kihara C., Seki T., Furukawa Y., Yamana H., Kimura Y., Van Schaardenburgh P., Hirata K. and Nakamura Y. (2000) Mutations in zinc-binding domains of p53 as a prognostic marker of esophageal cancer patient. *Jpn. J. Cancer Res.* **91(2)**: 190–198.
- Knudson A.G. (1985) Hereditary cancer oncogenes and antioncogenes. *Cancer Res.* **45(4)**:1437-43.
- Knudson A.G. (1995) Hereditary cancers: from discovery to intervention. *J Natl Cancer Inst Monogr.* **17**: 5-7.
- Kragelund B.B., Knudsen J. and Poulsen F.M. (1999) Acyl-coenzyme-A binding protein (ACBP). *Biochemica et Biophysica Acta* **1441**:150-161.

- Kuroki T., Trapasso F., Shiraishi T., Alder H., Mimori K. (2002). Mori M. and Croce C.M. Genetic alterations of the tumor suppressor gene WWOX in esophageal squamous cell carcinoma. *Cancer research* **62**: 2258-2260.
- Lam A.K.Y. (2000) Molecular biology of esophageal squamous cell carcinoma. *Oncology Hematology* **33**: 71-90.
- Lavie G., Mazur Y., Lavie D. and Meruelo D. The chemical and biological properties of hypericin, a compound with a broad spectrum of biological activities. *Med Res Rev.* **15(2)**: 111-119.
- Li C., Wu M., Liang Y. and Wu X. (2003) Correlation between expression of human telomerase activity in esophageal squamous cell carcinoma. *World J gastroenterol*, **9(11)**: 2395-2399.
- Li F., Ambrosini G., Chu E.Y., Plescia J., Tognin S., Marchisio P.C. and Altieri D.C. (1998) Control of apoptosis and mitotic spindle checkpoint by survivin. *Nature* **396(6711)**: 580–584
- Li J.Y. (1982) Epidemiology of esophageal cancer in china. *Natl Cancer Inst Monogr* **62**: 113-120.

- Li X., Lu J., Zhou L., Wang X., Liu G., Liu Z., Zhou C., Wu M. and Liu Z. (2003) Over-expression of ETS2 in human esophageal squamous cell carcinoma. *World journal of gastroenterology* **15(9)**: 205-208.
- Li Y., Wo J. M., Cai L., Zhou Z., Rosenbaum D., Mendez C., Ray M. B., Jones W. F. and Kang Y. J. (2003) Association of Metallothionein expression and lack of apoptosis with progression of carcinogenesis in Barrett's Esophagus; *Exp Bio Med* **228**: 286-287.
- Li Y., Wo J.M., Cai L., Zhou Z., Rosenbaum D., Mendez C., Ray M.B., Jones W.F. and Kang Y.J. (2003) Association of metallothionein expression and lack of apoptosis with progression of carcinogenesis in Barrett's esophagus. *Exp Biol Med (Maywood)* **228(3)**: 286-92.
- Liu Y., Wang H., Lu N., Ma Y., Liu F., Wang Y., Zhang H.R., Wang K., Wu M., Zhou X. (2003) Translocation of Annexin I from cellular membrane to the nuclear membrane in human esophageal squamous carcinoma; *World J Gastroenterol* **9(4)**: 645-649.
- Maaser K., Sutter A.P., Krahn A., Hopfner M., Grabowski P. and Scherubl H. (2004) Cell cycle-related signaling pathways modulated by peripheral benzodiazepine receptor ligands in colorectal cancer cells. *Biochemical and Biophysical Research Communications* **324**: 878-886.

- Macoska J.A., Trybus T.M., Benson P.D., Sakr W.A., Grignon D.J., Wojno K.D., Pietruk T. and Powell I.J. (1995) Evidence for three tumour suppressor gene loci on chromosome 8p in human prostate cancer. *Cancer Res.* **55**: 5390–5395.
- Maeda S., Miyawaki T., Nakanishi T., Masaharu T and Shimada M. Peripheral-type benzodiazepine receptor in T Lymphocyte rich preparation. *Life Sciences* **63(16)**: 1423-1430.
- Mafune K., Tanaka Y., Mimori K., Mori M., Takubo K. and Makuuchi M. (1999) Increased Expression of Ornithine Decarboxylase Messenger RNA in human Esophageal Carcinoma. *Clinical Cancer Research*, **5**: 4073-4078.
- Matsha T., Erasmus R., Kafuko A.B., Mugwanya D., Stepien A. and Parker M.I. (2002) Human papillomavirus associated with oesophageal cancer *J. Clin. Pathol.*, **55(8)**: 587 - 590.
- Meier P., Finch A. and Evan G. (2000) Apoptosis in development. *Nature* **407**: 796-800.
- Mereulo D., Lavie G and Lavie D. (1988) Therapeutic agents with dramatic antiretroviral activity and little toxicity at effective doses: aromatic polycyclic diones hypericin and pseudohypericin. *Proc Natl. Acad Sci.* **85**:5230-5234.

- Miller R.W. (1978) Cancer epidemics in the People's Republic of China. *J Natl.Cancer Inst* **60**: 1195-1203.
- Minielly J.A., Harrison E.G. Jr., Fontana R.S. and Payne W.S. (1967) Verrucous squamous cell carcinoma of the esophagus. *Cancer*. **20(12)**: 2078-87.
- Morales C.P., Souza R.F. and Spechler S.J. (2002) Hallmarks of cancer progression in Barrett's oesophagus. *Lancet* **360**: 1587-89.
- Morgan D. (1995) Principles of CDK regulation. *Nature* **374**: 131–133.
- Mori T., Guo M., Jin A., Li X. and Mori E. (2001) Human esophageal cancer cell death mediated by apoptosis-inducing nucleosides from CD57⁺HLA-DR^{Bright} natural suppressor cell line. *Int. J. Oncol.* **19**: 1235–1241.
- Mori T., Li X., Mori E. and Guo M. (2000) Human T-cell Leukemia cell death by apoptosis-inducing nucleosides from CD57+HLA-DR^{Bright} Natural⁺ suppressor cell line. *Jpn. J. Cancer Res.* **91**: 629–637.
- Morihiro M., Boku N., Ohtsu A., Miyamoto S. and Ishikura S. Advanced Esophageal Cancer with Esophago-bronchial Fistula Successfully Treated by Chemoradiation Therapy with Additional Endoscopic Resection: a Case Report. *Japanese Journal of Clinical Oncology*, **32 (2)**: 59-63, 2002.

- Moynagh, P.N., O'Neill L.A., Williams D.C. (1993) Interleukin-1 and phorbol myristate acetate modulate the PBR in lymphocytes and glial cells. *Biochem Pharmacol.* **41**: 1479-1484.
- Mukhin A.G., Papadopoulos V., Costa E. and Krueger K.E. (1989) Mitochondrial benzodiazepine receptors regulate steroid biosynthesis. *Proc Natl Acad Sci USA* **86**:9813-9816.
- Munemitsu S., Albert I., Souza B., Ruinefeld B. and Polakis P. (1995) Regulation of Intracellular β -Catenin Levels by the Adenomatous Polyposis Coli (APC) Tumor-Suppressor Protein. *Proc. Natl. Acad. Sci. (PNAS)*, **92**: 3046-3050.
- Munoz N. (1993) Epidemiological aspects of Oesophageal Cancer. *Endoscopy* **25**:609-612.
- Okpanyi S.N., Lidzba H., Scholl B.C. and Miltenburger H.G. (1990) Genotoxicity of a standardized Hypericum extract. *Pharmacol. Ther.*, **64**: 445-475.
- Overholt B.F., Panjehpour M., Haydeck J.M. (1999) Photodynamic therapy for Barrett's esophagus: follow-up in 100 patients. *Gastrointest Endosc.*, **49**: 1-7.
- Paige A.J.W., Taylor K.J., Taylor C., Hillier S.G., Farrington S., Scott D., Porteous D.J., Smyth J.F., Gabra H. and Watson J.E.V. (2001) WWOX: a

- candidate tumour suppressor gene involved in multiple tumour types. *Proc. Natl. Acad. Sci.* **98**: 11417–11422.
- Papadopoulos V., Mukhin AG, Costa E and Krueger K.E. (1990) The peripheral-type benzodiazepine receptor is functionally linked to Leydig cell steroidogenesis. *J Biol Chem* **265**:3772-3779.
 - Papadopoulos V. and Brown S. (1995) Role of the peripheral-type benzodiazepine and the polypeptide diazepam binding inhibitor in steroidogenesis. *J Steroid Biochem. Molec. Biol.* **53(1-6)**: 103-110.
 - Pawlikowski M. (1993) Immunomodulating effects of the peripherally acting benzodiazepines. *Peripheral Benzodiazepine Receptors*. (Ed Giesen-Crouse E.), pp. 125-135. Academic Press, London, 1993.
 - Peifer M.(1997) Beta-catenin as oncogene: the smoking gun. *Science*, **275(5307)**: 1752-1753.
 - Pickens A. and Orringer M. (2003) Geographical distribution and racial disparity in esophageal cancer. *Ann Thorac Surg* **76**: S1367-1369.
 - Pitti R.M., Marsters, S.A., Lawrence D.A., Roy M., Kischkel F.C., Dowd P., Haung A., Donahue C.J., Sherwood S.W., Baldwin D.T., Godowski P.J., Wood

- W.I., Gurney A.L., Hillan K.J., Cohen R.L., Goddard A.D., Botstein D. and Ashkenazi, A. (1998) Genomic amplification of a decoy receptor for Fas ligand in lung and colon cancer. *Nature*, **396(6712)**: 699-703.
- Reed JC. (2000) Warner-Lambert/Parke-Davis award lecture: Mechanisms of apoptosis. *Am J Pathol* 157: 1415-1430.
 - Reid H.A., Richardson W.W. and Corrin B. (1980) Oat cell carcinoma of the esophagus. *Cancer*. **45(9)**: 2342-7.
 - Retnisdottir I. and Massague J. (1997) The subcellular locations of p15 (ink4b) and p27 (kip1) coordinate their inhibitory interactions with cdk4 and cdk2. *Genes Dev*. **11**: 492–583.
 - Robert V., Michel P., Flaman J.M., Chiron A., Martin C., Charbonnier F., Paillot B. and Frebourg T. (2000) High frequency in esophageal cancers of p53 alterations inactivating the regulation of genes involved in cell cycle and apoptosis. *Carcinogenesis* **21(4)**: 563–565.
 - Rodriguez J.A., Span S.W., Ferreira C.G., Kruyt F.A. and Giaccone G.C. (2002) CRM1-mediated nuclear export determines the cytoplasmic localization of the antiapoptotic protein survivin. *Exp. Cell. Res.*, **275**: 44-53.

- Rosen Y., Moon S., Kim B. (1975) Small cell epidermoid carcinoma of the esophagus. An oat-cell-like carcinoma. *Cancer*. **36(3)**: 1042-9.
- Rudolph-Owen L.A., Chan R., Muller W.J., and Matrisian L.M. (1998) The Matrix metalloproteinase matrilysin influences early-stage mammary tumorigenesis. *Cancer Res.*, **58**:5500-5506.
- Rustgi A.K. (1997) Biomarkers for malignancy in the columnar-lined esophagus. *Journal of Gastroenterology clinics* **26(3)**: 599-606.
- Saitoh, T., Mine T. and Katoh M. (2002) Molecular cloning of protooncogene *frat1* in human cancer. *Int. J. Oncol.* **20**: 785–789.
- Sales and Levin. Cancer of the Esophagus. DeMeester T.R. and Levin B (eds.) Grune and Stratun Inc. (1985), pgs 8-17.
- [Schuler M and Green DR.](#) (2001) Mechanisms of p53-dependent apoptosis. *Biochem Soc Trans.* **29(6)**: 684-8.
- Senota A., Itoh F., Yamamoto H., Adachi Y., Hinoda Y. and Imai K. (1998) Relation of matrilysin messenger RNA expression with invasive activity in human gastric cancer. *Clin. Exp. Metastasis* **16(4)**: 313–321.

- Shen, Z.Y., Xu, L.Y., Chen X.H., Cai W.J., Shen J., Chen J.Y., Huang T.H. and Zeng Y. (2001) The genetic events of HPV-immortalized esophageal epithelium cells. *Int J Mol Med.* **8(5)**: 537-42.
- Shigemitsu K., Naomoto Y., Shirakawa Y., Haisa M., Gunduz M. and Tanaka N. A (2002) Case of Advanced Esophageal cancer with extensive lymph Node Metastases successfully treated with Multimodal Therapy. *Japanese Journal of Clinical Oncology*, **32 (8)**: 310-314.
- Shimi S.M. and Cuschieri A. Surgery of the Esophagus 2nd Edition. Hennessy T.P.J and Cuschieri A. (eds.) Butterworth-Heinemann Ltd (1992), pg 18.
- Simonsen A.C., Jensen B., Faergeman N.J., Knudsen J. and Mouritse. (2003) Acyl-coenzymeA organizes laterally in membranes and is recognized specifically by acyl-coenzymeA binding protein. *J FEBS Letters* **552**: 253-258
- Sloane B.F. (1990) Cathepsin B and cystatins: evidence for a role in cancer progression. *Semin. Cancer Biol.* **1**: 137-152.
- Song Z.B., Gao S.S., Yi X.N., Li Y.J., Wang Q.M., Zhuang Z.H., Wang L.D. (2003) Expression of MUC1 in esophageal squamous-cell carcinoma and its relationship with prognosis of patients from Linzhou city, a high incidence area of northern China; *World J Gastroenterol* **9(3)**: 404-407.

- Souza R.F. and Meltzer S.J. (1997) The molecular basis for carcinogenesis in metaplastic columnar-lined esophagus. *Journal of Gastroenterology clinics* **26(3)**: 583-597.
- Steglich C., Grens A. and Scheffler I.E. (1985) Chinese Hamster Cells Deficient in Ornithine Decarboxylase Activity: Reversion by Gene amplification and by azacytidine Treatment. *Somatic Cell Molecular Genetics*, **11**: 11-23.
- Stoner G.D. and Gupta A. (2001) Etiology and chemoprevention of esophageal squamous cell carcinoma; *Carcinogenesis* **22(11)**: 1737-1746.
- Strohmeier R., Roller M., Sanger N., Knecht R and Kuhl H. (2002) Modulation of tamoxifen-induced by peripheral benzodiazepine receptor ligands in breast cancer cells. *Biochemical Pharmacology* **64**: 99-107.
- Sugimachi K., Wantabe M. Sadanaga N., Ikebe M., Kitamura K., Mori M. and Kuwano H. J. (1994) Recent advances in the diagnosis and surgical treatment of patients with carcinoma of the esophagus. *Am. Coll. Surg.*, **178**: 363-368.
- Sutter A.P., Maaser K., Barthel B. and Scherubl H. (2003) Ligands of the peripheral benzodiazepine receptor induce apoptosis and cell cycle arrest in oesophageal cancer cells: involvement of the p38MAPK signalling pathway. *Br J Cancer*. **89(3)**: 564-72.

- Sutter A.P., Maaser K., Hopfner M., Barthel B., Grabowski P., Faiss S., Carayon P., Zeitz M. and Scherubl H. (2002) Specific ligands of the peripheral benzodiazepine receptor induce apoptosis and cell cycle arrest in human esophageal cancer cells. *Int J Cancer*. **102(4)**: 318-27.
- Swinnen J.V., Alen P., Heyns W. and Verhoeven G. (1998) Identification of Diazepam-binding Inhibitor /Acyl-CoA-binding Protein as a Sterol Regulatory Element-binding Protein-responsive Gene. *J. Biol. Chem.* **273(32)**: 19938-19944.
- Tamm I., Wang Y., Sausville E., Scudiero D.A., Vigna N., Oltersdorf T and Reed J.C. IAP-family protein survivin inhibits caspase activity and apoptosis induced by Fas (CD95), Bax, caspases and anticancer drugs. *Cancer Res.*, **58**: 5315-5320, 1998.
- Tanaka S., Akiyoshi T., Mori M., Wands J.R. and Sugimachi K. (1998) A novel Frizzled gene identified in human oesophageal carcinoma mediates APC / β -catenin signals. *Proc. Natl. Acad. Sci. (PNAS)* **95**: 10164-10169.
- Troncoso P. and Riddell R.H. Cancer of the Esophagus. DeMeeester T.R. and Levin B (eds). Grune and Stratton Inc. (1985), pg 89-118.
- Van Der Woude C.J., Jansen P.L.M., Tiebosch A.T.G.M., Beuving A., Homan M., Kleibeuker J.H., Moshange H. (2002) Expression Of Apoptosis-related

Proteins In Barrett's Metaplasia-Dysplasia-Carcinoma Sequence: A Switch to a More Resistant Phenotype.

- Veeramachaneni N.K, Kubokura H., Lin L., Pippin J.A., Patterson G.A., Drebin J.A. and Battafarano R.J. (2004) Down-regulation of beta catenin inhibits the growth of oesophageal carcinoma cells. *J. Thorac. Cardiovasc. Surg.* **127**: 92–98.
- Veeramachaneni N.K., Kubokura H., Lin L., Pippin J.A., Patterson G.A., Drebin J.A. and Battafarano R.J. (2004) Down-regulation of beta catenin inhibits the growth of oesophageal carcinoma cells. *J Thorac Cardiovasc Surg* **127**: 92-98.
- Villa LL. Human papillomaviruses and cervical cancer. *Advanced Cancer Research*, 71: 321-341; 1997.
- Von Zeynek E.R. (1973) Survey of cancer of the esophagus in relation to other neoplasms. *S Afr Med J* **47**:325-331.
- Wang D. and Chen H. (2002) Alterations of tumour suppressor gene p53-Rb system and human esophageal carcinogenesis. *Shijie Huaren Xiaolua Zazhi* **9**: 367–371.

- Wang L., Zheng S., Zheng Z., Casson A.G. (2003) Primary adenocarcinomas of lower esophagus, esophagogastric junction and gastric cardia: in special reference to China; *World J Gastroenterol* **9(6)**: 1156-1164.
- Wang L.D., Zheng S., Zheng Z.Y. and Casson A.G. (2003) Primary adenocarcinomas of lower esophagus, esophagogastric junction and gastric cardia: in special reference to China. *World J. Gastroenterol.* **9(6)**: 1156–1164.
- Wang X., Chan S.J., Eddy R.L., Byers M.G., Fukushima Y. and Henry W.M. (1998) Cathepsin B (CTSB). *Cytogenet. Cell Genet.* **59**: 710–711.
- Wheater P.R., Burkitt H.G., Daniels V.G. Functional Histology. Churchill Livingstone Ltd (1979), 182-183.
- Wilson C.L. and Matrisian L.M. (1996) Matrilysin: an epithelial matrix metalloproteinase with potentially novel functions. *Int. J. Biochem. Cell Biol.* **28**: 123–136.
- Woods M.J. and Williams D.C. (1996) Multiple forms and locations for the peripheral-type benzodiazepine receptor. *Biochemical Pharmacology* **52**: 1805-1814.

- Wright A.W. Rypins Medical licensure examinations, Twelfth edition. Wright A.W. (eds). J.B Lippincott Company (1975), pg 491-496.
- Wu M., Zhuang C., Yang H. and Liang Y. (2004) Expression of Egr-1, c-fos and cyclin D1 in esophageal cancer and its precursors: An immunohistochemical and *in situ* hybridization study. *World J gastroenterol*, **10(4)**: 476-480.
- Xing E.P., Lang G., Wang L., Shi S.T. and Yang C.S. (1999) Loss of heterozygosity of the Rb gene correlates with pRb protein expression and associates with p53 Alteration in human esophageal cancer. *Clinical Cancer Research*, **5**: 1231-1240.
- Xing E.P., Nie Y., Wang L., Yang G., and Yang C. S. (1999) Aberrant methylation of p16^{INK4a} and deletion of p15^{INK4b} are frequent events in human esophageal cancer in Liinxian, China. *Carcinogenesis* **20 (1)**: 77-84.
- Xing Y., Ning Y., Ru L.Q. and Wang L.D. (2003) Expressions of PCNA, p53, p21^{WAF-1} and cell proliferation in fetal esophageal epithelia: comparative study with adult esophageal lesions from subjects at high-incidence area for esophageal cancer in Henan, North China. *World J. Gastroenterol.* **9(7)**: 1601–1603.

- Xiong Y., Zhang H. and Beach D. (1993) Subunit rearrangement of the cyclin-dependent kinases is associated with cellular transformation. *Genes Dev.* **7**: 1572–1583.
- Yale Cancer Center. Gene “survivin” inhibits cell death. Cancer cure: hope or hype? 2003. <http://www.info.md.yale.edu/ycc.>
- Yamamoto H., Adachi Y., Itoh F., Iku S., Matsuno K., Kusano. M., Arimura Y., Endo T., Hinoda Y., Hosokawa M. and Imai K. (1999) Association of Matrilysin Expression with Recurrence and Poor Prognosis in Human Esophageal Squamous Cell Carcinoma. *Cancer Res.*, **59**: 3313-3316.
- Yanase H., Shimizu H, Kanada T., Fujii H. and Iwanaga T. (2001) Cellular Localization of the Diazepam Binding Inhibitor (DBI) in the gastrointestinal tract of mice and its coexistence with the fatty acid binding protein (FABP). *Arch Histol Cytol* 64(4): 449-460.
- Yang H.L., Dong Y.B., Elliot M.J., Liu T.J. and McMasters K.M. (2000) Caspase Activation and changes in Bcl-2 family member protein expression associated with E2F-1-mediated apoptosis in human esophageal cancer cells; *Clinical Cancer Research*, **6**:1579-1589.

- Yang H.L., Dong Y.B., Elliott M.J., Liu T.J. and McMasters K.M. (2000) Caspase activation and changes in Bcl-2 family member protein expression associated with E2F-1-mediated apoptosis in human esophageal cancer cells. *Clin. Cancer Res.* **6**: 1579–1589.
- Yang Z., Imoto I., Pimkhaokham A., Shimada Y., Imamura M., Sugano S., Nakamura Y. and Inazawa J. (2001) Identification of a novel gene, GASC1, within an amplicon at 9p23-24 frequently detected in esophageal cancer cell lines. *Cancer Research* **60**: 4735-4739.
- Yoshida M., Hayashi H., Taira M. and Insono K. (1992) Elevated Expression of the Ornithine Decarboxylases gene in Human Esophageal Cancer. *Cancer Research* **52**: 6671-6675.
- Yuan X.M., Li W., Dalen H., Lotem J., Kama R., Sachs L. and Brunk U.T. (2002) Lysosomal destabilization in p53-induced apoptosis. *Proc Natl Acad Sci* **99(9)**: 6286-6291.
- Yue C.M., Deng D.J., Bi M.X., Guo L.P. and Lu S.H. (2003) Expression of ECRG4, A novel esophageal cancer related gene, downregulation by CpG island, *World J. Gastroenterol.* **9(6)**: 1174–1178.

- Zavala F. and Lenfant M. (1987) Peripheral benzodiazepines enhance the respiratory burst of macrophages-like P388D₁ cells stimulated by arachidonic acid. *Int J Immunopharmacol* **9**: 269-274.
- Zavala F., Taupin V. and Descamps-Latscha B. (1990) *In vivo* treatment with benzodiazepines inhibits murine phagocyte oxidative metabolism and production of interleukin 1, tumor necrosis factor and interleukin 6. *J Pharmacol Exp Ther* **255**: 442-450.