

Pre-2005

Hepatoma cell apoptosis and tumor growth inhibition by GLN may be associated with its antioxidative activity and its intervention in hepatoma cell proliferation, and simultaneous release of NO. – Effects of glutamine on tumor growth and apoptosis of hepatoma cells. Acta Pharmacol Sin 2000 Jul;21(7):668-72 Liu SL, Shi DY, Shen ZH, Wu YD.

Glutamine reduces changes in IA and IP induced by FU and may have a protective effect on FU induced diarrhoea. – Oral glutamine in the prevention of fluorouracil induced intestinal toxicity: a double blind, placebo controlled, randomised trial Gut 2001 Jan;48(1):28-33 Daniele B, Perrone F, Gallo C, Pignata S, De Martino S, De Vivo R, Barletta E, Tambaro R, Abbiati R, D'Agostino L.

Result indicates that the purified S-180 cell glutaminase reduces tumor volume and restrict the generation of neo blood vessels. Therefore, it can be concluded that this enzyme may be an effective device against the cancer metastasis. – Neovascularisation offers a new perspective to glutamine related therapy Indian J Exp Biol 2000 Jan;38(1):88-90 Maity P, Chakraborty S, Bhattacharya P.

Glutamine and cancer. J Nutr 2001 Sep;131(9):2539S-42S Medina M.

Glutamine for irinotecan diarrhea J Clin Oncol 2000 Jan;18(2):450-1 Savarese D, Al-Zoubi A, Boucher J.

Isolation and purification of phosphate dependent glutaminase from sarcoma-180 tumor and its antineoplastic effects on murine model system. J Exp Clin Cancer Res. 1999 Dec;18(4):475-80.

Neovascularisation offers a new perspective to glutamine related therapy. Indian J Exp Biol. 2000 Jan;38(1):88-90.

A general survey of glutamine level in different tissues of murine solid tumor bearing mice before and after therapy with purified glutaminase. J Exp Clin Cancer Res. 2000 Jun;19(2):161-4.

Treatment of intestinal insufficiency syndrome in patients with peritonitis. Khirurgiia (Mosk). 2004;(10):31-3.

Improvement of the amplification rate of human chondrocytes with IGF-I and RGD. Langenbecks Arch Chir Suppl Kongressbd. 1998;115(Suppl I):205-8.

Postoperative ischemic ileocolitis in the elderly. Suggested therapy with intraluminal administration of oxygen and glutamine. Chir Ital. 1994;46(6):80-5.

Glutamine supplementation in cancer patients receiving bone marrow transplantation and high dose chemotherapy. J Nutr. 2001 Sep;131(9 Suppl):2578S-84S; discussion 2590S.

Oral glutamine in the prevention of fluorouracil induced intestinal toxicity: a double blind, placebo controlled, randomised trial. Gut. 2001 Jan;48(1):28-33.

Effects of glutamine on tumor growth and apoptosis of hepatoma cells. *Acta Pharmacol Sin.* 2000 Jul;21(7):668-72.

Effects of 5-fluorouracil, leucovorin, and glucarate in rat colon-tumor explants. *Cancer Chemother Pharmacol.* 1992;30(1):25-30.

Effect of gamma-oryzanol on cytochrome P450 activities in human liver microsomes. *Biol Pharm Bull.* 2004 Jul;27(7):1151-3.

Health benefits of rice bran oil. *Anticancer Res.* 1999 Sep-Oct;19(5A):3651-7.

Rice-bran products: phytonutrients with potential applications in preventive and clinical medicine. *Drugs Exp Clin Res.* 2001;27(1):17-26.

D-Glucarate acid as a prospective tumor marker. *Meth. Mol. Med.*, 14, 487-495.

Antiproliferative effect of dietary glucarate on the Sprague Dawley in rat mammary gland. *Cancer Lett.* 49: 51-57.

Synergistic interaction between 13-cis-retinoic acid and glucarate: activity against rat mammary tumor induction and MCF-7 cells. *Biochem. Biophys. Res. Commun.*,163: 1364-1369.

Effects of the experimental chemopreventative agent, glucarate on intestinal carcinogenesis in rats. *Carcinogenesis*, 10: 1539-1541.

Modulation of chemically initiated and promoted skin tumorigenesis in CD-1 mice by dietary glucarate. *J. Environ. Path. Toxicol. Oncol.*, 9: 253-259.

Effects of an inhibitor of B-glucuronidase on hepatocarcinogenesis. *Proc. Am. Assoc. Cancer Res.*, 28: 156.

Inhibition of azoxymethane-induced rat colon carcinogenesis by potassium hydrogen D-glucarate. *Int J Oncol.* 2000 Jan;16(1):43-8.

Potential use of D-glucaric acid derivatives in cancer prevention. *Cancer Lett.* 1990 Oct 8;54(1-2):1-8.

Metabolism, uptake, and excretion of a D-glucaric acid salt and its potential use in cancer prevention. *Cancer Detect Prev.* 1997;21(2):178-90.

Prevention of chemotherapy and radiation toxicity with glutamine. *Cancer Treat Rev.* 2003 Dec;29(6):501-13.

Phase I Clinical Trial of Oral Curcumin: Biomarkers of Systemic Activity and Compliance. *Clin Cancer Res* 2004 10: 6847-6854.

Oral glutathione increases tissue glutathione in vivo. *Chem Biol Interact.* 1991;80(1):89-97.

Bioavailability of dietary glutathione: effect on plasma concentration. *Am J Physiol.* 1990 Oct;259(4 Pt 1):G524-9.

Reduced glutathione and S-acetylglutathione as selective apoptosis-inducing agents in cancer therapy. *Cancer Letters* 110 (1996) 63-70.

Plasma glutathione in health and in patients with malignant disease. La Jolla, California.

Curcuma longa (turmeric). Monograph. *Altern Med Rev.* 2001 Sep;6 Suppl:S62-6.

Evaluation of anti-inflammatory property of curcumin (diferuloyl methane) in patients with postoperative inflammation. *Int J Clin Pharmacol Ther Toxicol.* 1986 Dec;24(12):651-4.

In vivo inhibition of nitric oxide synthase gene expression by curcumin, a cancer preventive natural product with anti-inflammatory properties. *Biochem Pharmacol.* 1998 Jun 15;55(12):1955-62.

Inhibitory effects of curcumin on tumorigenesis in mice. *J Cell Biochem Suppl.* 1997;27:26-34.

Curcumin (Diferuloylmethane) inhibition of tumor necrosis factor (TNF)-mediated adhesion of monocytes to endothelial cells by suppression of cell surface expression of adhesion molecules and of nuclear factor-kappaB activation. *Biochem Pharmacol.* 1998 Mar 15;55(6):775-83.

Nitric oxide scavenging by curcuminoids. *J Pharm Pharmacol.* 1997 Jan;49(1):105-7.

Curcumin, an anti-tumour promoter and anti-inflammatory agent, inhibits induction of nitric oxide synthase in activated macrophages. *Biochem Biophys Res Commun.* 1995 Jan 17;206(2):533-40.

Curcumin blocks cytokine-mediated NF-kappa B activation and proinflammatory gene expression by inhibiting inhibitory factor I-kappa B kinase activity. *J Immunol.* 1999 Sep 15;163(6):3474-83.

Sulfate conjugation in drug metabolism: role of inorganic sulfate. *Federation Proc.* 1986;45:2235-2240.

Use of N-acetyl cysteine to increase intracellular glutathione during the induction of antitumor responses by IL-2. *J Immunol.* 1994;152:5796-5805.

Inhibition of tumor necrosis factor by curcumin, a phytochemical. *Biochem Pharmacol.* 1995;11:1551-1556.

Inhibitory effects of curcumin on in vitro lipoxygenase and cyclooxygenase activities in mouse epidermis. *Cancer Res.* 1991;51:813-819.

Induction of glutathione S-transferase activity by curcumin in mice. *Drug Res.* 1992;42(7):962-964.

Evaluation of anti-inflammatory property of curcumin (diferuloyl methane) in patients with postoperative inflammation. *International J Clin Pharmacol Therapy Toxicol.* 1986;24:651-654.

Efficacy of glutamine-enriched enteral nutrition in an experimental model of mucosal ulcerative colitis. *British J Surgery.* 1995;82:749-751.

Antitumor activity of curcumin is mediated through the induction of apoptosis in AK-5 tumor cells. *FEBS Lett.* 1999 Feb 19;445(1):165-8.

Evaluation of chemoprevention of oral cancer with spirulina. 1995. Pub. in *Nutrition and Cancer*, Vol. 24, No. 2, 197-202. India.

Inhibitive effect and mechanism of polysaccharide of spirulina on transplanted tumor cells in mice. 1991. Pub. in *Marine Sciences*, Qingdao, N.5. pp 33-38. China.

Study on effect and mechanism of polysaccharides of spirulina on body immune function improvement. April 1994. South China Normal Univ. China. Pub. in *Proc. of Second Asia Pacific Conf. on Algal Biotech.* Univ. of Malaysia. pp 33-38. China.

An extract from spirulina is a selective inhibitor of herpes simplex virus Type 1 Penetration into HeLa Cells. 1993. Pub. in *Phytotherapy Research*, Vol. 7. 76-80.

Pre-2017

Effects of dietary Spirulina on antioxidant status, lipid profile, immune response and performance characteristics of broiler chickens reared under high ambient temperature. *Asian-Australas J Anim Sci.* 2018 Apr;31(4):556-563. doi: 10.5713/ajas.17.0483. Epub 2017 Sep 18.

Monocyte chemoattractant protein-1 polymorphism interaction with spirulina immunomodulatory effects in healthy Korean elderly: A 16 week, double-blind randomized clinical trial. *Nutr Res Pract.* 2017 Aug;11(4):290-299. doi: 10.4162/nrp.2017.11.4.290. Epub 2017 Jun 9.

Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota? *Nutrients.* 2017 Jun 20;9(6). pii: E633. doi: 10.3390/nu9060633.

Bioactivity, Health Benefits, and Related Molecular Mechanisms of Curcumin: Current Progress, Challenges, and Perspectives. *Nutrients.* 2018 Oct 19;10(10). pii: E1553. doi: 10.3390/nu10101553. Review.

A Meta-Analysis of the Clinical Use of Curcumin for Irritable Bowel Syndrome (IBS). *J Clin Med.* 2018 Sep 22;7(10). pii: E298. doi: 10.3390/jcm7100298.

The Problem of Curcumin and Its Bioavailability: Could Its Gastrointestinal Influence Contribute to Its Overall Health-Enhancing Effects? *Adv Nutr.* 2018 Jan 1;9(1):41-50. doi: 10.1093/advances/nmx011.

Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. *Nutrients.* 2018 Oct 23;10(11). pii: E1564. doi: 10.3390/nu10111564. Review.

Normalization of leaky gut in chronic fatigue syndrome (CFS) is accompanied by a clinical improvement: effects of age, duration of illness and the translocation of LPS from gram-negative bacteria. *Neuro Endocrinol Lett.* 2008 Dec;29(6):902-10.

Glutamine: effects on the immune system, protein balance and intestinal functions. Roth E1, Spittler A, Oehler R.

Effect of Gamma-Oryzanol as Therapeutic Agent to Prevent Cardiorenal Metabolic Syndrome in Animals Submitted to High Sugar-Fat Diet. *Nutrients.* (2017)

Investigation of nutraceutical phytochemical - gamma-oryzanol in experimental animal models. *J Anim Physiol Anim Nutr (Berl)*. (2016)

Recovery of γ -Oryzanol from Rice Bran Acid Oil by an Acid-base Extraction Method with the Assistance of Response Surface Methodology. *J Oleo Sci*. 2018;67(11):1405-1415. doi: 10.5650/jos.ess18073.

Rice Bran Oil Containing Gamma-Oryzanol Improves Lipid Profiles and Antioxidant Status in Hyperlipidemic Subjects: A Randomized Double-Blind Controlled Trial. *J Altern Complement Med*. 2018 Sep 28. doi: 10.1089/acm.2018.0212. [Epub ahead of print]

Rice bran oil and oryzanol reduce plasma lipid and lipoprotein cholesterol concentrations and aortic cholesterol ester accumulation to a greater extent than ferulic acid in hypercholesterolemic hamsters. *J Nutr Biochem*. 2007 Feb;18(2):105-12. Epub 2006 May 18.

Possible links between intestinal permeability and food processing: A potential therapeutic niche for glutamine. *Clinics (Sao Paulo)*. 2010 Jun;65(6):635-43. doi: 10.1590/S1807-59322010000600012. Review.

Changes in gut microbiota control inflammation in obese mice through a mechanism involving GLP-2-driven improvement of gut permeability. *Gut*. 2009 Aug; 58(8):1091-103. Epub 2009 Feb 24.

Diet-derived advanced glycation end products are major contributors to the body's AGE pool and induce inflammation in healthy subjects. *Ann N Y Acad Sci*. 2005 Jun; 1043:461-6.

Dietary glutamine prevents the loss of intestinal barrier function and attenuates the increase in core body temperature induced by acute heat exposure. *Br J Nutr*. 2014 Nov 28; 112(10):1601-10. Epub 2014 Oct 17.

Glutamine and the regulation of intestinal permeability: from bench to bedside. *Curr Opin Clin Nutr Metab Care*. 2017 Jan; 20(1):86-91.

MicroRNA-29a regulates intestinal membrane permeability in patients with irritable bowel syndrome. *Gut*. 2010 Jun; 59(6):775-84. Epub 2009 Dec 1.

Intestinal membrane permeability and hypersensitivity in the irritable bowel syndrome. *Pain*. 2009 Nov; 146(1-2):41-6.

Intestinal permeability and irritable bowel syndrome. *Neurogastroenterol Motil*. 2007 Jul; 19(7):545-52.

Irritable bowel syndrome: methods, mechanisms, and pathophysiology. The confluence of increased permeability, inflammation, and pain in irritable bowel syndrome. *Am J Physiol Gastrointest Liver Physiol*. 2012 Oct; 303(7):G775-85. Epub 2012 Jul 26.

Abdominal pain in Irritable Bowel Syndrome: a review of putative psychological, neural and neuro-immune mechanisms. *Brain Behav Immun*. 2011 Mar; 25(3):386-94. Epub 2010 Nov 20

Tight junctions and IBS--the link between epithelial permeability, low-grade inflammation, and symptom generation? *Neurogastroenterol Motil*. 2014 Mar; 26(3):296-302.