

## Caloric Restriction

### REFERENCES

- Anderson GH. Dietary patterns vs. dietary recommendations: identifying the gaps for complex carbohydrate. *Crit Rev Food Sci Nutr* . 1994;34(5-6):435-40.
- Anderson JW, Akanji AO. Treatment of diabetes with high fiber diets. In: Spiller GA, ed. *CRC Handbook of Dietary Fiber in Human Nutrition*. 2nd ed. Boca Raton , FI: CRC Press; 1993:443-70.
- Anisimov VN, Berstein LM, et al. Effect of metformin on life span and on the development of spontaneous mammary tumors in HER-2/neu transgenic mice. *Exp Gerontol*. 2005 Aug-Sep;40(8-9):685-93.
- Armeni T, Pieri C, et al. Studies on the life-prolonging effect of food restriction: glutathione levels and glyoxylase enzymes in the liver. *Mech Ageing Dev* . 1998 Mar 16;101(1-2):101-10.
- Berg TF, Breen PJ, et al. Acute toxicity of ganciclovir: effect of dietary restriction and chronobiology. *Food Chem Toxicol* . 1994 Jan;32(1):45-50.
- Bergamini E, Cavallini G, et al. The anti-ageing effects of caloric restriction may involve stimulation of macroautophagy and lysosomal degradation, and can be intensified pharmacologically. *Biomed Pharmacother* . 2003 Jul-Aug;57(5-6):203-8.
- Blüher M, Kahn BB, et al. Extended longevity in mice lacking the insulin receptor in adipose tissue. *Science* . 2003 Jan 24;299(5606):572-4.
- Chang SH, Liu CH, et al. Role of prostaglandin E2-dependent angiogenic switch in cyclooxygenase 2-induced breast cancer progression. *Proc Natl Acad Sci U S A*. 2004 Jan 13;101(2):591-6.
- Cianchi F, Cortesini C, et al. Cyclooxygenase-2 activation mediates the proangiogenic effect of nitric oxide in colorectal cancer. *Clin Cancer Res*. 2004 Apr 15;10(8):2694-704.
- Cook CI, Yu BP. Iron accumulation in aging: modulation by dietary restriction. *Mech Aging Dev* . 1998 May 1;102(1):1-13.
- Dhahbi JM, Mote PL , et al. Caloric restriction alters the feeding response of key metabolic enzyme genes. *Mech Ageing Develop* . 2001 Jul 31;122(10):1033-48.
- Dhahbi JM, Mote PL , et al. Identification of potential caloric restriction mimetics by microarray profiling. *Physiol Genomics*. 2005 Sep 27; [Epub ahead of print].
- Droge W. Autophagy and aging: importance of amino acid levels. *Mech Ageing Dev* . 2004 Mar;125(3):161-8.
- Dubey A, Forster MJ, et al. Effect of age and caloric intake on protein oxidation in different brain regions and on behavioral functions of the mouse. *Arch Biochem Biophys* . 1996;333:189-97.
- Duffy PH, Feuers RJ, et al. Chronic caloric restriction in old female mice: changes in circadian rhythms of physiological and behavioral variables. In: Fishbein L, ed. *Biological Effects of Dietary Restriction*. Berlin , Germany : Springer-Verlag; 1991:245-63.
- Eaton SB, Eaton SB III, et al. Paleolithic nutrition revisited: a 12-year retrospective study on its nature and implications. *Eur J Clin Nutr* . 1997 Apr;51(4):207-16.
- Forster MJ, Morris P, et al. Genotype and age influence the effect of caloric intake on mortality in mice. *FASEB J*. 2003 Apr;17(6):690-2.
- Fosslien E. Molecular pathology of cyclooxygenase-2 in neoplasia. *Ann Clin Lab Sci*. 2000;30:3-21.

Harrison DE , Archer JR, et al. Effects of food restriction on aging: separation of food intake and adiposity. *Proc Natl Acad Sci U S A* . 1984 Mar;81(6):1835-8.

Heydari AR , Wu B, et al. Expression of heat shock protein 70 is altered by age and diet at the level of transcription. *Mol Cell Biol* . 1993 May;13(5):2909-18.

Ingram DK, Anson RM, et al. Development of calorie restriction mimetics as a prolongevity strategy. *Ann N Y Acad Sci*. 2004 Jun;1019:412-23.

Johnson PR, Stern JS, et al. Longevity in obese and lean male and female rats of the Zucker strain: prevention of hyperphagia. *Am J Clin Nutr*. 1997 Oct;66(4):890-903.

Kagawa Y. Impact of Westernization on the nutrition of Japanese: changes in physique, cancer, longevity, and centenarians. *Prev Med* . 1978 Jun;7:205-27.

Kalant N, Stewart J, et al. Effect of diet restriction on glucose metabolism and insulin responsiveness in aging rats. *Mech Ageing Dev*. 1988 Dec;46(1-3):89-104.

Kalimi M, Regelson W, eds. *Dehydroepiandrosterone (DHEA): Biochemical, Physiological and Clinical Aspects*. New York , NY : Walter de Gruyter; 1999.

Kealy RD , Lawler DF, et al. Effects of diet restriction on life span and age-related changes in dogs. *J Am Vet Med Assoc* . 2002 May 1;220(9):1315-20.

Keenan KP. The uncontrolled variable in risk assessment: ad libitum overfed rodents—fat, facts and fiction. *Toxicol Pathol*. 1996 May-Jun;24(3):376-83.

Kim JW, No JK, et al. Age-related changes in redox status of rat serum. *Arch Gerontol Geriatr* . 2002 Feb;34(1):9-17.

Kritchevsky D, Weber MM, et al. Dietary fat versus caloric content in initiation and promotion of 7,12-dimethylbenz(a)anthracene-induced mammary tumorigenesis in rats. *Cancer Res* . 1984 Aug;44(8):3174-7.

Lane MA, Black A, et al. Caloric restriction in primates. *Ann N Y Acad Sci* . 2001 Apr;928:287-95.

Lane MA, Ingram DK, et al. Calorie restriction in nonhuman primates: effects on diabetes and cardiovascular disease risk. *Toxicol Sci* . 1999 Dec;52(suppl 2):41-8.

Lane MA, Ingram DK, et al. Dehydroepiandrosterone sulfate: a biomarker of primate aging slowed by calorie restriction. *J Clin Endocrinol Metab*. 1997 Jul;82(7):2093-6.

Lane MA, Mattison J, et al. Caloric restriction and aging in primates: relevance to humans and possible CR mimetics. *Microsc Res Tech* . 2002 Nov 15;59(4):335-8.

Lemon JA, Boreham DR , et al. A complex dietary supplement extends longevity of mice. *J Gerontol A Biol Sci Med Sci*. 2005 Mar;60(3):275-9.

Liepa GU, Masoro EJ, et al. Food restriction as a modulator of age-related changes in serum lipids. *Am J Physiol* . 1980 Mar;238(3):E253-E257.

Lin YJ, Seroude L, et al. Extended life-span and stress resistance in the *Drosophila* mutant methuselah. *Science* . 1998 Oct 30;282(5390):943-6.

Masoro EJ. Hormesis and the antiaging action of dietary restriction. *Exp Gerontol*. 1998 Jan-Mar;33(1-2):61-6.

Masoro EJ, McCarter RJ, et al. Dietary restriction alters characteristics of glucose fuel use. *J Gerontol* . 1992 Nov;47(6):B202-B208.

Masoro EJ, Yu BP, et al. Action of food restriction in delaying the aging process. *Proc Natl Acad Sci U S A* . 1982 Jul;79(13):4239-41.

- Matsuo M, Gomi F, et al. Food restriction suppresses an age-dependent increase in the exhalation rate of pentane from rats: a longitudinal study. *J Gerontol*. 1993 Jul;48(4):B133-B136.
- McCarter RJ, Palmer J. Energy metabolism and aging: a lifelong study of Fisher 344 rats. *Am J Physiol* . 1992 Sep;263(pt 1):E448-E452.
- Merry BJ. Molecular mechanisms linking calorie restriction and longevity. *Int J Biochem Cell Biol* . 2002 Nov;34(11):1340-54.
- Mortimore GE, Poso AR. Intracellular protein catabolism and its control during nutrient deprivation and supply. *Annu Rev Nutr* . 1987;7:539-64.
- Mortimore GE, Poso AR , et al. Mechanism and regulation of protein degradation in liver. *Diabetes Metab Rev* . 1989 Feb;5(1):49-70.
- Nicolas AS, Lanzmann-Petithory D, et al. Caloric restriction and aging. *J Nutr Health Aging* . 1999;3(2):77-83.
- Nkondjock A, Ghadirian P. Risk factors and risk reduction of breast cancer. *Med Sci (Paris)*. 2005 Feb;21(2):175-80.
- Rae M. It's never too late: caloric restriction is effective in older mammals. *Rejuvenation Res* . 2004 Spring;7(1):3-8.
- Ristimaki A, Sivula A, et al. Prognostic significance of elevated cyclooxygenase-2 expression in breast cancer. *Cancer Res*. 2002 Feb;62(3):632-5.
- Rose DP, Connolly JM. Regulation of tumor angiogenesis by dietary fatty acids and eicosanoids. *Nutr Cancer* . 2000;37(2):119-27.
- Roth GS. Caloric restriction and caloric restriction mimetics: current status and promise for the future. *J Am Geriatr Soc*. 2005 Sep;53(suppl 9):S280-S283.
- Roth GS, Lane MA, et al. Biomarkers of caloric restriction may predict longevity in humans. *Science* . 2002 Aug 2;297(5582):811.
- Seglen PO, Bohley P. Autophagy and other vacuolar protein degradation mechanisms. *Experientia* . 1992 Feb 15;48(2):158-72.
- Stevens A, Lowe J. *Pathology* . London , England : Mosby; 2000.
- Tannenbaum A. The dependence of the genesis of induced skin tumors on the caloric intake during different stages of carcinogenesis. *Cancer Res* . 1944;4:673-77.
- Tannenbaum A. The dependence of tumor formation on the composition of the calorie-restricted diet as well as on the degree of restriction. *Cancer Res*.1945;5:616-25.
- Van Remmen H, Ward WF, et al. Gene expression and protein degradation. In: Masoro EJ, ed. *Handbook of Physiology*. Oxford , England : Oxford University Press; 1995:171-234.
- Velthuis-te WEJ, van den Berg H, et al. Energy restriction, a useful intervention to retard human ageing? Results of a feasibility study. *Eur J Clin Nutr* . 1994 Feb;48(2):138-48.
- Walford RL, Mock D, et al. Calorie restriction in biosphere 2: alterations in physiologic, hematologic, hormonal, and biochemical parameters in humans restricted for a 2-year period. *J Gerontol A Biol Sci Med Sci* . 2002 Jun;57(6):B211-B224.
- Weindruch R, Walford RL. *The Retardation of Aging and Disease by Dietary Restriction* . Springfield , Ill : Charles C. Thomas; 1988.
- Wetter TJ, Gazdag AC, et al. Effect of calorie restriction on in vivo glucose metabolism by individual tissues in rats. *Am J Physiol* . 1999 Apr;276(pt1):E728-E738.
- Wood JG, Rogina B, et al. Sirtuin activators mimic caloric restriction and delay ageing in metazoans. *Nature* . 2004 Aug 5;430 (7000):686-89.
- Yokota S. Degradation of normal and proliferated peroxisomes in rat hepatocytes: regulation of peroxisomes quantity in cells.

*Microsc Res Tech* . 2003 Jun 1;61(2):151-60.

Yu BP. Aging and oxidative stress: modulation by dietary restriction. *Free Radic Biol Med*. 1996;21(5):651-68.

Yu BP, Chung HY. Stress resistance by caloric restriction for longevity. *Ann N Y Acad Sci* . 2001 Apr;928:39-47.

All Contents Copyright © 1995-2009 Life Extension Foundation All rights reserved.

**LifeExtension®**

These statements have not been evaluated by the FDA. These products are not intended to diagnose, treat, cure or prevent any disease. The information provided on this site is for informational purposes only and is not intended as a substitute for advice from your physician or other health care professional or any information contained on or in any product label or packaging. You should not use the information on this site for diagnosis or treatment of any health problem or for prescription of any medication or other treatment. You should consult with a healthcare professional before starting any diet, exercise or supplementation program, before taking any medication, or if you have or suspect you might have a health problem. You should not stop taking any medication without first consulting your physician.