

# Fasting

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Fasting is primarily the act of willingly abstaining from some or all food, drink, or both, for a period of time. Concerning that from which one fasts, and the period of fasting, a fast may be total or partial. Fasting practices may preclude sexual activity as well as food, in addition to refraining from eating certain types or groups of foods; for example, one might refrain from eating meat. Medical fasting can be a way to promote detoxification. Fasting for religious and spiritual reasons has been a part of human custom since pre-history. It is mentioned in the Bible, in both the Old and New Testament, the Qur'an, the Mahabharata, and the Upanishads. Fasting is also practiced in many other religious traditions and spiritual practices. Fasting is also used in a medical context to refer to the state achieved after digestion of a meal. A number of metabolic adjustments occur during fasting and many medical diagnostic tests are standardized for fasting conditions. For most medical purposes a person is assumed to be fasting after 8-12 hours. A diagnostic fast refers to prolonged fasting conducted under medical observation for investigation of a problem, usually hypoglycemia. Fasting has occasionally been recommended as a therapeutic intervention by physicians of many cultures, though it is uncommonly resorted to for this purpose by modern doctors.



## Recent Publications on Fasting:

- [Parasympathetic dysfunction is associated with insulin resistance in fructose-fed female rats.](#)  
*The objective of the present study was to identify metabolic,...*4th October, 2008  
Laboratorio de Movimento Humano, Universidade Sao Judas Tadeu, Sao Paulo,- Braz J Med Biol Res. 2008 Sep;41(9):804-8.
- [Sex-related differences in the associations between hyperleptinemia, insulin resistance and dysfibrinolysis.](#)  
*The adipocyte-derived hormone leptin is associated with insulin resistance...*4th October, 2008  
aDepartment of Public Health and Clinical Medicine, Medicine, Umea- Blood Coagul Fibrinolysis. 2008 Oct;19(7):625-632. ([DOI Direct Link](#))
- [Postoperative reorganization of gastric pacemaker activity in patients after an extended period following distal gastrectomy.](#)  
*We recorded and analyzed electrogastrograms (EGGs) from 12 patients...*4th October, 2008  
Division of Organ Physiology, Department of Regenerative and Transplant- J Smooth Muscle Res. 2008 Aug;44(3-4):113-22.
- [Lipid profiling of FPLC-separated lipoprotein fractions by electrospray ionization tandem mass spectrometry.](#)  
*Background: Glycerophospholipid and sphingolipid species and their...*4th October, 2008  
- J Lipid Res. 2008 Oct 1. ([DOI Direct Link](#))
- [Leptin inhibits food-deprivation-induced increases in food intake and food hoarding.](#)  
*Food deprivation stimulates foraging, hoarding and to a much lesser extent...*4th October, 2008

- Georgia State University.- Am J Physiol Regul Integr Comp Physiol. 2008 Oct 1. ([DOI Direct Link](#))
- [Development and Characterization of a Novel Rat Model of Type 2 Diabetes Mellitus: The UC Davis Type 2 Diabetes Mellitus \(UCD-T2DM\) Rat.](#)  
*The prevalence of type 2 diabetes (T2DM) is increasing, creating a need...*4th October, 2008  
 University of California, Davis.- Am J Physiol Regul Integr Comp Physiol. 2008 Oct 1. ([DOI Direct Link](#))
  - [Microarray Analysis of the Transcriptome of the Subfornical Organ in the Rat: Regulation by Fluid and Food Deprivation.](#)  
*We have employed microarray technology using Affymetrix 230 2.0 genome...*4th October, 2008  
 University of Bristol.- Am J Physiol Regul Integr Comp Physiol. 2008 Oct 1. ([DOI Direct Link](#))
  - [Clinical usefulness of a bolus calculator in maintaining normoglycaemia in active professional patients with type 1 diabetes treated with continuous subcutaneous insulin infusion.](#)  
*This observational study assessed metabolic control in young, active...*4th October, 2008  
 Department of Metabolic Diseases, Medical College, Jagiellonian- J Int Med Res. 2008 Sep-Oct;36(5):1112-6.
  - [Does creatine supplementation improve the plasma lipid profile in healthy male subjects undergoing aerobic training?](#)  
*ABSTRACT: We aimed to investigate the effects of creatine (Cr)...*4th October, 2008  
 - J Int Soc Sports Nutr. 2008 Oct 3;5(1):16. ([DOI Direct Link](#))
  - [\[Studies on anti-hyperglycemic effect and its mechanism of Clinopodium chinense\]](#)  
*OBJECTIVE: To investigate the anti-hyperglycemic effect and its mechanism...*4th October, 2008  
 Department of Pharmacology for Chinese Materia Medica, China- Zhongguo Zhong Yao Za Zhi. 2008 Jun;33(11):1313-6.
  - [Laparoscopic ileal interposition associated to a diverted sleeve gastrectomy is an effective operation for the treatment of type 2 diabetes mellitus patients with BMI 21-29.](#)  
*BACKGROUND: The objective of this study is to evaluate the clinical...*3rd October, 2008  
 , Av. 136, no. 961, 14 masculine andar, Setor Marista, 74.093-250,- Surg Endosc. 2008 Oct 2. ([DOI Direct Link](#))
  - [A single test procedure to diagnose gestational diabetes mellitus.](#)  
*Universal screening for gestational diabetes mellitus (GDM), detects more...*3rd October, 2008  
 Institute of Obstetrics and Gynecology, Chennai, India.- Acta Diabetol. 2008 Oct 2. ([DOI Direct Link](#))
  - [Ethnic variation in hypertension prevalence of women in Taiwan.](#)  
*The prevalence and risk factors of hypertension vary in ethnic groups....*3rd October, 2008  
 1Department of Internal Medicine, National Taiwan University Hospital and- J Hum Hypertens. 2008 Oct 2. ([DOI Direct Link](#))
  - [Brain SIRT1: anatomical distribution and regulation by energy availability.](#)  
*SIRT1 is a nicotinamide adenosine dinucleotide-dependent deacetylase that...*3rd October, 2008  
 Department of Internal Medicine, Division of Hypothalamic Research, The- J Neurosci. 2008 Oct 1;28(40):9989-96. ([DOI Direct Link](#))
  - [Prevalence of prehypertension and hypertension and associated risk factors among Turkish adults: Trabzon Hypertension Study.](#)  
*BACKGROUND: To estimate the prevalence, awareness and control of...*3rd October, 2008  
 Karadeniz Technical University, Faculty of Medicine, Department of Internal- J Public Health (Oxf). 2008 Sep 30. ([DOI Direct Link](#))

## BioNews Results for Fasting

- [Cyclosporine benefits psoriasis patients with poor cardiometabolic profiles](#)  
*MedWire News: Oct 3 2008 12:44AM Matching: fasting*
- [Focus on the World Diabetes Diagnostics Market](#)  
*Street Insider: Oct 1 2008 3:25PM Matching: fasting*

- [Pioglitazone Decreases Fasting and Postprandial Endogenous Glucose Production in Proportion to Decrease in Hep](#)  
*Diabetes: Sep 30 2008 8:50PM Matching: fasting*
- [Can Admission and Fasting Glucose Reliably Identify Undiagnosed Diabetes in Patients With Acute Coronary Syndr](#)  
*MDLinx: Sep 30 2008 1:09AM Matching: fasting*
- [Novel Attempt Of Gene Therapy For Type 1 Diabetes Mellitus](#)  
*Science Daily: Sep 29 2008 8:44PM Matching: fasting*
- [Usefulness of Fasting Plasma Glucose to Predict Mortality or Coronary Heart Disease in Persons &#62;=60 Years](#)  
*MDLinx: Sep 28 2008 4:44PM Matching: fasting*
- [Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achieved Greater Re](#)  
*Interest!ALERT: Sep 12 2008 9:45AM Matching: fasting*
- [Novo Nordisk Reports Data From Phase 3 Study](#)  
*Calibre Macro World: Sep 12 2008 6:38AM Matching: fasting*
- [Liraglutide beneficial in type 2 diabetes: Novo Nordisk](#)  
*PharmaBiz: Sep 11 2008 1:35PM Matching: fasting*
- [Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achieved Greater Reductions i](#)  
*KRON4: Sep 11 2008 1:56AM Matching: fasting*
- [Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achieved Greater Reductions i](#)  
*KSLA: Sep 10 2008 11:02PM Matching: fasting*
- [Exenatide Once a Week Just as Effective as Twice Daily for Glycemic Control](#)  
*Medscape: Sep 10 2008 10:16PM Matching: fasting*
- [Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achieved Greater Reductions i](#)  
*KLFY: Sep 10 2008 7:00PM Matching: fasting*
- [COMMUNIQUE: PR Newswire: Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achi](#)  
*Belga Direct Press Releases: Sep 10 2008 3:00PM Matching: fasting*
- [Sanofi Aventis: People With Type 2 Diabetes Treated With LANTUS\(R\) and APIDRA\(R\) Achieved Greater Reductions i](#)  
*Atlanta Business Chronicle: Sep 10 2008 2:29PM Matching: fasting*

#### Fasting Clinical Trials:

- [Safety and Feasibility of Fasting While Receiving Chemotherapy](#)  
*Fasting; Chemotherapy; Cancer*





## Fasting Patents:

- 7414077- [Therapeutic intervention to mimic the effect of caloric restriction](#)
- 7419990- [Piperidine derivatives as melanocortin-4 receptor agonists](#)
- 7420033- [Composition of lactoferrin related peptides and uses thereof](#)
- 7420083- [Substituted aryloximes](#)
- 7421862- [Washing machine with temperature sensor arrangement](#)
- 7421935- [Barrel locking apparatus for a paintball gun](#)
- 7422439- [Fine pitch electrical interconnect assembly](#)
- 7422764- [Matrix-forming composition containing pectin](#)
- 7422844- [Solution for the storage and perfusion of organs awaiting transplantation](#)
- 7422847- [Human E3.alpha. ubiquitin ligase family](#)
- 7422854- [Cholesterol reduction signature](#)
- 7419955- [Method for treating arteriosclerosis](#)
- 7419689- [Plant-based formulations for improving liver health](#)
- 7418806- [Frame for supporting an article and a method of forming a corner of the frame](#)
- 7414169- [Therapeutic and diagnostic tools for impaired glucose tolerance conditions](#)
- 7415358- [Molecular toxicology modeling](#)
- 7416744- [Extracts, compounds and pharmaceutical compositions having anti-diabetic activity and their use](#)
- 7416750- [Composition to provide maintenance and nutritional support in glycemic control deficits](#)
- 7416895- [Method for identifying at risk cardiovascular disease patients](#)
- 7417028- [Human glucagon-like-peptide-1 modulators and their use in treatment of diabetes and related conditions](#)
- 7417038- [Methods of treating cachexia](#)
- 7417042- [Compounds for enzyme inhibition](#)
- 7417147- [Soft anticholinergic zwitterions](#)
- 7417730- [Apparatus and method for monitoring breath acetone and diabetic diagnostics](#)
- 7423014- [Insulin conjugates for treating diabetes mellitus](#)
- 7423017- [Method for treating cartilage disorders](#)
- 7427395- [Chemotherapeutic agent-incorporated pharmaceutical preparation](#)
- 7427415- [Implantation of encapsulated biological materials for treating diseases](#)
- 7427489- [Screening assay to identify modulators of the sleep/wake cycle](#)
- 7427622- [Method of making and using theaflavin, theaflavin-3-gallate, theaflavin-3'-gallate and theaflavin 3,3'-digallate and mixtures thereof](#)
- 7427686- [\(3R, 4R\)-trans-3, 4-diarylchroman derivatives and a method for the prevention and/or treatment of estrogen dependent diseases](#)
- 7429395- [Anti-diabetic extract isolated from Rauvolfia vomitoria and Citrus aurantium, and method of using same](#)
- 7429462- [Kits for assays of rapid screening of diabetes](#)
- 7429482- [Screening tools for discovery of novel anabolic agents](#)
- 7429564- [Oral insulin therapy](#)
- 7429577- [Augmentation of atypical antipsychotic agent pharmacotherapy with chromium supplementation](#)
- 7426441- [Methods for determining renal toxins](#)
- 7425649- [4-\(\(phenoxyalkyl\)thio\)-phenoxyacetic acids and analogs](#)

- 7425579- [Methods for inhibiting activity of polyamine transporters](#)
- 7423027- [Methods of using gamma cyclodextrin to control blood glucose and insulin secretion](#)
- 7423044- [Pyrimidine derivatives useful in the treatment of insulin resistance and hyperglycemia](#)
- 7423066- [Methods, compounds, and compositions for reducing body fat and modulating fatty acid metabolism](#)
- 7423067- [Diphenyl cyclopentyl amides as cannabinoid-1 receptor inverse agonists](#)
- 7425133- [Display device](#)
- 7425443- [Treatment of diabetes with synthetic beta cells](#)
- 7425545- [Modulation of C-reactive protein expression](#)
- 7425557- [Inhibitors of glycogen synthase kinase 3](#)
- 7425570- [Pyridoxine and pyridoxal analogues: new uses](#)
- 7425571- [Method for treating obesity](#)
- 7429609- [Pyrazole compound and medicinal composition containing the same](#)

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