

Heart

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. The heart is a muscular organ responsible for pumping blood through the blood vessels by repeated, rhythmic contractions, or a similar structure in the annelids, mollusks, and arthropods. The term cardiac means "related to the heart" and comes from the Greek *kardia*, for "heart." The heart is composed of cardiac muscle, an involuntary muscle tissue which is found only within this organ. The average human heart beating at 72 BPM, will beat approximately 2.5 billion times during a lifetime of 66 years. ([From the Wikipedia article Heart](#).)

Recent Publications on Heart:



- [Mathematical modelling of intra-aortic balloon pump.](#)
Background: Ischemic heart diseases now afflict thousands of Iranians and... 21st November, 2009
Mechanical Engineering Department, Alberta University, Edmonton, Canada.- *Comput Methods Biomech Biomed Engin.* 2009 Nov 18:1. ([DOI Direct Link](#))
- [Relationships of BMI to Cardiovascular Risk Factors Differ by Ethnicity.](#)
The burden of cardiovascular risk associated with obesity... 21st November, 2009
[1] Jackson Heart Study, University of Mississippi Medical Center,- *Obesity (Silver Spring).* 2009 Nov 19. ([DOI Direct Link](#))
- [Combined Association of Lipids and Blood Pressure in Relation to Incident Cardiovascular Disease in the Elderly: The Cardiovascular Health Study.](#)
BackgroundHypertension and dyslipidemia are highly prevalent in the... 21st November, 2009
Heart Disease Prevention Program, Division of Cardiology, Department of- *Am J Hypertens.* 2009 Nov 19. ([DOI Direct Link](#))
- [Effects of age and counseling on the cardiorespiratory response to graded exercise.](#)
ABSTRACT: Purpose: to report on the normative cardiorespiratory response... 21st November, 2009
1Physical Education and Recreation, University of Alberta 2Health Audit- *Med Sci Sports Exerc.* 2009 Nov 13. ([DOI Direct Link](#))
- [Nutrition and exercise prevents excess weight gain in overweight pregnant women.](#)
PURPOSE:: To determine the effect of a Nutrition and Exercise Lifestyle... 21st November, 2009
1R. Samuel McLaughlin Foundation- *Exercise & Pregnancy Laboratory, School-* *Med Sci Sports Exerc.* 2009 Nov 13. ([DOI Direct Link](#))
- [Association Between Hospital Cardiac Management and Outcomes for Acute Myocardial Infarction Patients.](#)
BACKGROUND:: Randomized trials have shown that medical and interventional... 21st November, 2009
From the *Institute for Clinical Evaluative Sciences, Toronto, ON, Canada;- *Med Care.* 2009 Nov 18. ([DOI Direct Link](#))

- [Reverse remodeling and improved function by antihypertensive treatment in hypertensive patients with coronary artery disease.](#)
*BACKGROUND: Although antihypertensive therapy reduces cardiovascular...*21st November, 2009
aKyoto University Hospital, Kyoto, Japan bAmagasaki Central Hospital,- J Hypertens. 2009 Nov 18. ([DOI Direct Link](#))
- [Baroreflex sensitivity and sympatho-vagal balance during intradialytic hypotensive episodes.](#)
*OBJECTIVES: The role of the baroreflex function in the pathogenesis of...*21st November, 2009
Nephrology and Hypertension Services, Hadassah University Medical Center,- J Hypertens. 2009 Nov 18. ([DOI Direct Link](#))
- [Molecular Time: An Often Overlooked Dimension to Cardiovascular Disease.](#)
*Abstract: Diurnal rhythms influence cardiovascular physiology such as...*21st November, 2009
Department of Biomedical Sciences, OVC, University of Guelph, Guelph, ON,- Circ Res. 2009 Nov 20;105(11):1047-1061. ([DOI Direct Link](#))
- [Cardiovascular Regenerative Medicine: The Developing Heart Meets Adult Heart Repair.](#)
*Abstract: Diurnal rhythms influence cardiovascular physiology such as...*21st November, 2009
- Circ Res. 2009 Nov 20;105(11):1041-1043. ([DOI Direct Link](#))
- [Lamina-Associated Polypeptide 2{alpha} Loss Impairs Heart Function and Stress Response in Mice.](#)
*Rationale: Lamina-associated polypeptide (LAP)2alpha is a mammalian...*21st November, 2009
Max F. Perutz Laboratories, Department of Medical Biochemistry, Medical- Circ Res. 2009 Nov 19. ([DOI Direct Link](#))
- [Rad As a Novel Regulator of Excitation-Contraction Coupling and {beta}-Adrenergic Signaling in Heart.](#)
*Rationale: Rad (Ras associated with diabetes) GTPase, a monomeric small G...*21st November, 2009
Institute of Molecular Medicine and State Key Laboratory of Biomembrane- Circ Res. 2009 Nov 19. ([DOI Direct Link](#))
- [Gaining ligand selectivity in thyroid hormone receptors via entropy.](#)
*Nuclear receptors are important targets for pharmaceuticals, but...*21st November, 2009
Instituto de Quimica, Universidade Estadual de Campinas, SP 13084-862,- Proc Natl Acad Sci U S A. 2009 Nov 19. ([DOI Direct Link](#))
- [Understanding the Spectral Doppler Waveform of the Hepatic Veins in Health and Disease.](#)
*Duplex Doppler sonography is a fundamental component of the complete...*21st November, 2009
Department of Radiology, Division of Ultrasonography, Montefiore Medical- Radiographics. 2009 November-December;29(7):2081-2098. ([DOI Direct Link](#))
- [Effects of formoterol and salmeterol on cytokine release from monocyte-derived macrophages.](#)
*Pulmonary macrophages are a target for inhaled therapies. Combinations of...*21st November, 2009
National Heart and Lung Institute, Imperial College London, Dovehouse- Eur Respir J. 2009 Nov 19. ([DOI Direct Link](#))

BioNews Results for Heart

- [Imaging Assess Arrhythmia and Cardiac Death Risk in Patients](#)
Medicexchange.com: Nov 21 2009 3:35AM Matching: heart
- [Vitamin D Deficiency May Significantly Increase Risk of Stroke, Heart Disease and Death](#)
UK PRWire: Nov 21 2009 4:54AM Matching: heart
- [Carvedilol in combination with ACE inhibitors may benefit cardiac patients](#)
News-Medical.Net: Nov 21 2009 6:33AM Matching: heart
- [Viagra helpful for children with heart defect](#)
Fox 19: Nov 21 2009 3:57AM Matching: heart
- [Family Partnership, Education Interventions Help Lower Heart Failure Patients Salt Consumption Through](#)
MedIndia: Nov 21 2009 6:16AM Matching: heart

- [Benefits of Bariatric Surgery in Adolescents Persist After 2 Years: Presented at AHA](#)
PSL Group: Nov 21 2009 6:09AM Matching: heart
- [Diuretics still best treatment for high blood pressure](#)
WBOC TV 16: Nov 21 2009 3:36AM Matching: heart
- [Stem Cells Harvested from Your Own Body can Help Treat Heart Disease](#)
MedIndia: Nov 21 2009 5:09AM Matching: heart
- [NHLBI-supported research shares new strategies on hypertension, heart defect and air pollution](#)
News-Medical.Net: Nov 20 2009 12:22PM Matching: heart
- [Highlights of NHLBI-Supported Research Presented at American Heart Association's Scientific Sessions](#)
National Institutes of Health: Nov 20 2009 5:16AM Matching: heart
- [Your Own Stem Cells Can Treat Heart Disease](#)
Innovations Report: Nov 20 2009 10:29AM Matching: heart
- [Respirators And H1N1 Information Distributed To Registered Nurses At Sacred Heart Medical Center Out Of Concer](#)
Medical News Today: Nov 20 2009 5:13PM Matching: heart
- [Study: CT Scans Rule Out Heart Attacks Faster](#)
Ahip Hi-Wire: Nov 20 2009 12:22PM Matching: heart
- [High blood pressure: A major risk factor for stroke and heart disease](#)
News-Medical.Net: Nov 20 2009 6:46AM Matching: heart
- [Imaging Helps Assess Arrhythmia and Cardiac Death Risk in Patients With Heart Failure: Presented at AHA](#)
Doctors Guide: Nov 20 2009 6:28AM Matching: heart

Heart Patents:



- 7619413- [Transmit-receive array for high field MRI](#)
- 7620205- [Method for characterizing shape, appearance and motion of an object that is being tracked](#)
- 7620209- [Method and apparatus for dynamic space-time imaging system](#)
- 7620221- [System and method for enhancing an object of interest in noisy medical images](#)
- 7620227- [Computer-aided detection system utilizing temporal analysis as a precursor to spatial analysis](#)
- 7620270- [Method for creating and using affective information in a digital imaging system](#)
- 7620297- [Recording medium, recording method, reproduction apparatus and method, and computer-readable program](#)
- 7620370- [Mobile broadband wireless access point network with wireless backhaul](#)
- 7620375- [High-speed two-way point-to-point transmission](#)
- 7620439- [Conductive adhesives and biomedical articles including same](#)
- 7620441- [Method and device for improved ECG triggering](#)
- 7620180- [Preparation of content for multiple conditional access methods in video on demand](#)
- 7620156- [Systems and methods for providing location signals/indicators when 911 dialed](#)
- 7619485- [Compact optical assembly for chip-scale atomic clock](#)
- 7619515- [First responder localization and communication system](#)
- 7619761- [Extensible and distributed job execution service in a server farm](#)
- 7620047- [Method of transporting a RapidIO packet over an IP packet network](#)

- [7620048- Network switch and components and method of operation](#)
- [7620057- Cache line replacement with zero latency](#)
- [7620142- Method and apparatus for reducing x-ray dosage in CT imaging prescription](#)
- [7620146- Systems and methods for processing x-ray images](#)
- [7620147- Orthovoltage radiotherapy](#)
- [7620152- Radiation imaging apparatus, method of controlling the radiation imaging apparatus and computer-readable storage medium](#)
- [7620443- X-ray CT imaging method and X-ray CT device](#)
- [7620444- Systems and methods for improving usability of images for medical applications](#)
- [7620521- Dynamic weight sensing and classification of vehicular occupants](#)
- [7620523- Nonparametric method for determination of anomalous event states in complex systems exhibiting non-stationarity](#)
- [7620530- System with PPU/GPU architecture](#)
- [7620531- Method for determining and representing food products based on nutrient density rating and predicted satiating effect](#)
- [7620560- Computer-implemented method for grouping medical claims with clinically representative dynamic clean periods](#)
- [7620576- Method and apparatus for providing order queue information](#)
- [7620579- System and method for money management using a plurality of profit levels in an electronic trading environment](#)
- [7620588- System and method for displaying market data in an electronic trading environment](#)
- [7620638- Process for selecting an object in a PLM database and apparatus implementing this process](#)
- [7620692- iSCSI receiver implementation](#)
- [7620520- Methods for determining weight of a person](#)
- [7620516- Versatile semiconductor manufacturing controller with statistically repeatable response times](#)
- [7620446- Monitoring P-waves to detect degradation of atrial myocardium](#)
- [7620447- Method for assessing the contraction synchronization of a heart](#)
- [7620448- Methods and devices for monitoring myocardial mechanical stability](#)
- [7620449- Differentiating ischemic from non-ischemic T-wave inversion](#)
- [7620451- Methods and apparatus for pulsed electric field neuromodulation via an intra-to-extravascular approach](#)
- [7620452- Systems and methods for managing the longevity of an implantable medical device battery](#)
- [7620453- Implantable medical device with improved EMI filter](#)
- [7620455- Cranial nerve stimulation to treat eating disorders](#)
- [7620457- Kit for penetrating the cardiac septum and for the placement of a trans-septal device, in particular a stimulation probe, in a left cardiac cavity](#)
- [7620458- Sheath and electrical lead](#)
- [7620845- Distributed system and redundancy control method](#)

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