

Hypothermia

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Hypothermia is a condition in which an organism's temperature drops below that required for normal metabolism and bodily functions. In warm-blooded animals, core body temperature is maintained near a constant level through biologic homeostasis. But when the body is exposed to cold its internal mechanisms may be unable to replenish the heat that is being lost to the organism's surroundings. Hypothermia is the opposite of hyperthermia, the condition which causes heat exhaustion and heat stroke. ([From the Wikipedia article Hypothermia](#).)

Recent Publications on Hypothermia:



- [Tracheal temperature for monitoring body temperature during mild hypothermia in pigs.](#)
AIM OF THE STUDY: Out-of-hospital induction of mild therapeutic... 21st November, 2009
Department of Emergency Medicine, Medical University of Vienna, Austria.- Resuscitation. 2009 Nov 16. ([DOI Direct Link](#))
- [A rodent model of emergency cardiopulmonary bypass resuscitation with different temperatures after asphyxial cardiac arrest.](#)
BACKGROUND: The use of emergency cardiopulmonary bypass (ECPB)... 21st November, 2009
Center for Resuscitation Science, Department of Emergency Medicine,- Resuscitation. 2009 Nov 17. ([DOI Direct Link](#))
- [Surgical management of retroperitoneal metastatic testicular tumor with inferior vena caval thrombus using cardiopulmonary bypass, arrested circulation, and profound hypothermia: a case report.](#)
Testicular tumors represent the most common type of solid neoplasia in men... 21st November, 2009
Division de Urologia, Universidad Estatal de Campinas, Campinas, Sao- Actas Urol Esp. 2009 Oct;33(9):1032-1035.
- [Hypothermia: Is it just for ventricular fibrillation?](#)
Testicular tumors represent the most common type of solid neoplasia in men... 20th November, 2009
Sarver Heart Center; University of Arizona; Tucson, AZ.- Crit Care Med. 2009 Dec;37(12):3175-3176. ([DOI Direct Link](#))
- [Induced Moderate Hypothermia After Cardiac Arrest.](#)
Testicular tumors represent the most common type of solid neoplasia in men... 20th November, 2009
- AACN Adv Crit Care. 2009 October/December;20(4):354-355. ([DOI Direct Link](#))
- [Acute Spinal Cord Ischemia: Treatment with Intravenous and Intra-Arterial Thrombolysis, Hyperbaric Oxygen and Hypothermia.](#)
Testicular tumors represent the most common type of solid neoplasia in men... 20th November, 2009
Division of Neurocritical Care, Department of Neurology, Columbia- Cerebrovasc Dis. 2009 Nov 19;29(1):95-98. ([DOI Direct Link](#))
- [A Core Review of Temperature Regimens and Neuroprotection During Cardiopulmonary Bypass: Does](#)

[Rewarming Rate Matter?](#)

Despite a half century of research and the implementation of various...20th November, 2009
MHS, FASE, Department of Anesthesiology, Mayo Hospital, 5777 East Mayo- Anesth Analg. 2009
Dec;109(6):1741-1751. ([DOI Direct Link](#))

- [Small temperature variations alter edaravone-induced neuroprotection of cortical cultures exposed to prolonged hypoxic episodes.](#)
BACKGROUND: /st> Edaravone, a free radical scavenger, has been shown to be...20th November, 2009
Department of Anaesthesiology and Intensive Care Medicine, Graduate School- Br J Anaesth. 2009
Nov 18. ([DOI Direct Link](#))
- [Nafamostat prevents hypothermia and improves survival time after administration of lipopolysaccharide in a mouse surgical model.](#)
Lipopolysaccharide (LPS) is an endotoxin known to induce disseminated...19th November, 2009
Intensive Care Unit of University Hospital, Hamamatsu University School of- J Anesth. 2009
Nov;23(4):624-627. Epub 2009 Nov 18. ([DOI Direct Link](#))
- [Heart rate monitored hypothermia and drowning in a 48-year-old man. survival without sequelae: a case report.](#)
INTRODUCTION: Victims of severe hypothermia and cardiac arrest may appear...18th November, 2009
Department of Anesthesia and Intensive Care Medicine, Haukeland University- Cases J. 2009 Aug
18;2:6204. ([DOI Direct Link](#))
- [Hypoxia-induced cell damage is reduced by mild hypothermia and postconditioning with catalase in-vitro: Application of an enzyme based oxygen deficiency system.](#)
Mild hypothermia and pharmacological postconditioning are widespread...18th November, 2009
Department of Anesthesiology and Intensive Care Medicine, University- Eur J Pharmacol. 2009 Nov
13. ([DOI Direct Link](#))
- [\[Endogenous hypometabolic-hypothermic factors and their possible application to life in the cold.\]](#)
Hibernation is a natural model of Tolerance of hypometabolism,...17th November, 2009
Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy- Bioorg Khim. 2009
Sep-Oct;35(5):597-609.
- [Effect of speed of rewarming and administration of anti-inflammatory or anti-oxidant agents on acute lung injury in an intestinal ischemia model treated with therapeutic hypothermia.](#)
AIM OF THE STUDY: Acute lung injury (ALI) develops in various clinical...17th November, 2009
Department of Emergency Medicine, Seoul National University Bundang- Resuscitation. 2009 Nov 12. ([DOI Direct Link](#))
- [Predictors of adopting therapeutic hypothermia for post-cardiac arrest patients among Canadian emergency and critical care physicians.](#)
Therapeutic hypothermia improves outcomes in resuscitated cardiac arrest...17th November, 2009
Institute of Medical Science, University of Toronto, Canada; Rescu, Li Ka- Resuscitation. 2009 Nov 12.
([DOI Direct Link](#))
- [The feasibility of inducing mild therapeutic hypothermia after cardiac resuscitation using iced saline infusion via an intraosseous needle.](#)
OBJECTIVE: This study was done, using a swine model of prolonged...17th November, 2009
Department of Emergency Medicine, Baystate Medical Center/Tufts University- Resuscitation. 2009
Nov 12. ([DOI Direct Link](#))

BioNews Results for Hypothermia

- [Rapid Intranasal Cooling May Improve Survival for Patients in Cardiac Arrest: Presented at AHA Doctors Guide: Nov 20 2009 9:54PM Matching: hypothermia](#)

- [Active surface cooling protocol to induce mild therapeutic hypothermia after out-of-hospital cardiac arrest: A retrospective before-and-after comparison in a single hospital](#)
MDLinx: Nov 20 2009 12:07PM Matching: hypothermia
- [Direct link between insulin and core body temperature discovered](#)
News-Medical.Net: Nov 20 2009 5:35AM Matching: hypothermia
- [Insulin linked to core body temperature](#)
Science Daily: Nov 19 2009 9:02PM Matching: hypothermia
- [Scripps research scientists find new link between insulin and core body temperature](#)
Research & Development: Nov 19 2009 7:58PM Matching: hypothermia
- [Scripps research scientists find new link between insulin and core body temperature](#)
EurekAlert!: Nov 19 2009 7:20PM Matching: hypothermia
- [Hypothermia Decreases Brain Injury in Hypoxic Infants; MRI Aids in Predicting Prognosis](#)
Abstracts in Hematology and Oncology: Nov 18 2009 10:15PM Matching: hypothermia
- [The feasibility of inducing mild therapeutic hypothermia after cardiac resuscitation using iced saline infusion via an intraosseous needle](#)
MDLinx: Nov 18 2009 12:57PM Matching: hypothermia
- [AHA: Pre-hospital trans-nasal cooling improves cardiac arrest outcomes](#)
Cardiovascular Business: Nov 18 2009 6:07AM Matching: hypothermia
- [Medical News: Hypothermia Research May Benefit Brain Injured Athletes](#)
BioFind: Nov 16 2009 1:08PM Matching: hypothermia
- [Hypothermia Research May Benefit Brain Injured Athletes](#)
Medical News Today: Nov 16 2009 9:05AM Matching: hypothermia
- [New surgical technique may benefit brain injured athletes](#)
News-Medical.Net: Nov 16 2009 12:55PM Matching: hypothermia
- [PRINCE: Prehospital intranasal cooling after cardiac arrest feasible, may improve survival](#)
Theheart.org: Nov 16 2009 2:43PM Matching: hypothermia
- [8 rescued from capsized boat off Tijuana coast](#)
KOKH Oklahoma City FOX 25: Nov 15 2009 5:34AM Matching: hypothermia
- [Brain Injured Athletes May Benefit From Hypothermia Research](#)
Science Daily: Nov 14 2009 4:16PM Matching: hypothermia

Hypothermia Patents:



- 7560433- [Treatment of multiple sclerosis \(MS\)](#)
- 7575929- [Diagnosis of multiple sclerosis with diketopiperazines](#)
- 7576062- [Compounds with growth hormone releasing properties](#)
- 7576088- [Benzodioxole derivatives](#)
- 7576239- [Substituted amides](#)
- 7578263- [Articles for enhancing the environment of contained animals](#)
- 7578837- [Warming apparatus with an inflatable cover and an inlet port plug](#)
- 7579369- [CB 1 receptor inverse agonists](#)
- 7588517- [Physical fitness system](#)
- 7588547- [Methods and system for treating subcutaneous tissues](#)
- 7588549- [Thermoelectric temperature control for extracorporeal blood circuit](#)

- [7575574- Apparatus for piezoelectric layer-wise pump and valve for use in local administration of biological response modifiers and therapeutic agents](#)
- [7572785- Substituted imidazoles as cannabinoid receptor modulators](#)
- [7572633- Use of the adenoviral E2 late promoter](#)
- [7560481- Indoles are cannabinoid receptor ligands](#)
- [7560667- Heating element for liquid warming device](#)
- [7562728- Powered wheelchair](#)
- [7563785- Quetiapine analogs and methods of use thereof](#)
- [7563910- Heterocyclic cannabinoid receptor antagonists](#)
- [7565705- Garment for a cooling and hydration system](#)
- [7566341- Multiple lumen heat exchange catheters](#)
- [7566569- Method for measuring surface temperature](#)
- [7569051- Apparatus for piezoelectric layer-wise pump and valve for use in local administration of biological response modifiers and therapeutic agents](#)
- [7572605- Gamma-hydroxybutyrate compositions containing carbohydrate, lipid or amino acid carriers](#)
- [7588564- Apparatus for piezoelectric layer-wise pump and valve for use in local administration of biological response modifiers and therapeutic agents](#)
- [7589102- Heterocyclic aromatic compounds useful as growth hormone secretagogues](#)
- [7601128- Apparatus for treating subcutaneous tissues](#)
- [7603152- Physiological stress detector device and system](#)
- [7605184- Method of anesthesia](#)
- [7606607- Physiological stress detector device and system](#)
- [7611830- Device to lavage a blood vessel](#)
- [7613490- Physiological stress detector device and system](#)
- [7615548- Method to inhibit ischemia and reperfusion injury](#)
- [7615567- Compounds and methods for promoting smoking cessation](#)
- [7618376- Device for assessing perfusion failure in a patient by measurement of blood flow](#)
- [7618622- Treatment of Parkinson's disease and related disorders using postpartum derived cells](#)
- [7598249- Piperazinyl and piperidinyl ureas as modulators of fatty acid amide hydrolase](#)
- [7598236- Diazabicyclic central nervous system active agents](#)
- [7597659- Suprapatellar external counterpulsation apparatus](#)
- [7589220- Inhibitors of the anandamide transporter](#)
- [7590438- Physiological stress detector device and system](#)
- [7591786- Dock for connecting peripheral devices to a modular diagnostic ultrasound apparatus](#)
- [7592023- Transplant media](#)
- [7592333- Loxapine analogs and methods of use thereof](#)
- [7592354- Heterocyclic aromatic compounds useful as growth hormone secretagogues](#)
- [7594900- Systems and methods for delivering agents into targeted tissue of a living being](#)
- [7595335- Pharmaceutical composition based on idazoxan, salts, hydrates or polymorphs thereof](#)
- [7595339- CB1 modulator compounds](#)
- [7595397- Compounds which modulate the CB2 receptor](#)
- [7618993- Compounds](#)

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