

# Anoxia

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The term anoxia means "without oxygen", an extreme form of hypoxia or "low oxygen". Anoxia and hypoxia may occur in various contexts:\* Anoxic sea water\* Dead zone or hypoxic zones\* Hypoxia \* Hypoxia ( [From the Wikipedia article Anoxia](#) .)



## Recent Publications on Anoxia:

- [Extreme hypoxia tolerance of naked mole-rat brain.](#)  
*Mammalian brains have extremely high levels of aerobic metabolism and...* 13th November, 2009  
Departments of aPsychiatry, Psychiatric Institute bBiological Sciences- Neuroreport. 2009 Nov 10. ( [DOI Direct Link](#) )
- [The anti-necrosis role of hypoxic preconditioning after acute anoxia is mediated by aldose reductase and sorbitol pathway in PC12 cells.](#)  
*It has been demonstrated that hypoxic preconditioning (HP) enhances the...* 11th November, 2009  
Department of Brain Protection and Plasticity, Institute of Basic Medical- Cell Stress Chaperones. 2009 Nov 10. ( [DOI Direct Link](#) )
- [Resistance of rat bone marrow mesenchymal stromal precursor cells to anoxia in vitro.](#)  
*We studied the effect of significantly reduced oxygen content (0% O<sub>2</sub>) in...* 11th November, 2009  
Institute of Biomedical Problems, Russian Academy of Sciences, Moscow,- Bull Exp Biol Med. 2009 Jul;148(1):148-51.
- [Stressful sleeping.](#)  
*The transcription factor NF-kappaB has recently emerged as a central...* 11th November, 2009  
- J Am Coll Cardiol. 2009 Oct 27;54(18):1713-4. ( [DOI Direct Link](#) )
- [Hypoxia, not the frequency of sleep apnea, induces acute hemodynamic stress in patients with chronic heart failure.](#)  
*OBJECTIVES: This study was conducted to evaluate whether brain (B-type)...* 11th November, 2009  
Harvard University, Cambridge, Massachusetts, USA.- J Am Coll Cardiol. 2009 Oct 27;54(18):1706-12. ( [DOI Direct Link](#) )
- [Ecophysiology of Neuronal Metabolism in Transiently Oxygen-Depleted Environments: Evidence That Gaba is Accumulated Pre-Synaptically in the Cerebellum.](#)  
*Interactions between coral reef topography, tide cycles, and photoperiod...* 7th November, 2009  
Hypoxia and Ischemia Research Unit, School of Physiotherapy and Exercise- Comp Biochem Physiol A Mol Integr Physiol. 2009 Nov 2. ( [DOI Direct Link](#) )
- [Disruption of the axon initial segment cytoskeleton is a new mechanism for neuronal injury.](#)  
*Many factors contribute to nervous system dysfunction and failure to...* 7th November, 2009  
Department of Neuroscience, University of Connecticut Health Center,- J Neurosci. 2009 Oct 21;29(42):13242-54. ( [DOI Direct Link](#) )

- [Ischemia Increases TREK-2 Channel Expression in Astrocytes: Relevance to Glutamate Clearance.](#)  
*The extent of an ischemic insult is less in brain regions enriched in...*6th November, 2009  
Department of Biochemistry, Universidad Central del Caribe, Bayamon,- Open Neurosci J. 2009 Jan 1;3:40-47. ([DOI Direct Link](#))
- [Brain stem death as the vital determinant for resumption of spontaneous circulation after cardiac arrest in rats.](#)  
*BACKGROUND: Spontaneous circulation returns to less than half of adult...*6th November, 2009  
Center for Translational Research in Biomedical Sciences, Chang Gung- PLoS One. 2009 Nov 4;4(11):e7744. ([DOI Direct Link](#))
- [In vivo\(31\)P and \(13\)C NMR investigations of Rhodococcus rhodochrous metabolism and behaviour during biotransformation processes.](#)  
*Abstract Aims: The strain Rhodococcus rhodochrous OBT18 was isolated from...*3rd November, 2009  
Clermont Universite, UBP, Laboratoire de SEESIB, BP 10448, F-63000- J Appl Microbiol. 2009 Oct 7. ([DOI Direct Link](#))
- [The role of NF-kappaB in hypoxia-induced gene expression.](#)  
*Hypoxia is a common physiologic and pathophysiologic stimulus that...*3rd November, 2009  
UCD Conway Institute, School of Medicine and Medical Science, College of- Ann N Y Acad Sci. 2009 Oct;1177:178-84. ([DOI Direct Link](#))
- [Hypoxia and neurodegeneration.](#)  
*Periods of chronic hypoxia, which can arise from numerous...*3rd November, 2009  
Faculties of Medicine, University of Leeds, Leeds, United Kingdom.- Ann N Y Acad Sci. 2009 Oct;1177:169-77. ([DOI Direct Link](#))
- [Intermittent hypoxia-mediated plasticity of acute O2 sensing requires altered red-ox regulation by HIF-1 and HIF-2.](#)  
*This article provides a brief review of recent studies addressing the...*3rd November, 2009  
Center for Systems Biology of O Sensing, Department of Medicine,- Ann N Y Acad Sci. 2009 Oct;1177:162-8. ([DOI Direct Link](#))
- [Convenient headspace gas chromatographic determination of azide in blood and plasma.](#)  
*Azide in human blood and plasma samples was derivatized with propionic...*31st October, 2009  
Laboratory Medicine, St. Boniface General Hospital, Winnipeg, Manitoba,- J Anal Toxicol. 2009 Oct;33(8):525-31.
- [Molecular mechanisms of turtle anoxia tolerance: A role for NF-kappaB.](#)  
*The transcription factor NF-kappaB has recently emerged as a central...*28th October, 2009  
Institute of Biochemistry and Department of Biology, Carleton University,- Gene. 2009 Oct 24. ([DOI Direct Link](#))

## BioNews Results for Anoxia

- [Eutrophication of seas may have impact on genetic variation in algae](#)  
*Topnews.in: Oct 20 2009 7:27AM Matching: anoxia*

## Anoxia Clinical Trials:

- [Hyperbaric Oxygen Therapy in Chronic Stable Brain Injury](#)





## Anoxia Patents:

- 7569384- [Albumin fusion proteins](#)
- 7582654- [Heterocyclic inhibitors of potassium channel function](#)
- 7582786- [Synthetic catalytic free radical scavengers useful as antioxidants for prevention and therapy of disease](#)
- 7585839- [Medical uses of intercellular communication facilitating compounds](#)
- 7585871- [Phenanthridine carbonyl phenols](#)
- 7585939- [Chromatin peptides blocking human HIF-1.alpha. gene and modulating the downstream related genes](#)
- 7588783- [Flavonoid derivative](#)
- 7589190- [Potent LNA oligonucleotides for the inhibition of HIF-1A expression](#)
- 7589206- [Pyrrolopyridine derivatives](#)
- 7592010- [Albumin fusion proteins](#)
- 7592317- [Constitutive gene expression in conjunction with ionizing radiation](#)
- 7582619- [Compositions and methods for treatment of mitochondrial diseases](#)
- 7582281- [Ethylenedicycysteine \(EC\)-drug conjugates compositions and methods for tissue specific disease imaging](#)
- 7579370- [Fused heterocycles](#)
- 7569568- [Cytokine inhibitors](#)
- 7572580- [Promoter variants of the alpha-7 nicotinic acetylcholine receptor](#)
- 7572605- [Gamma-hydroxybutyrate compositions containing carbohydrate, lipid or amino acid carriers](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7572786- [Substituted 1-piperidin-3-yl-4-piperidin-4-yl-piperazine derivatives and their use as neurokinin antagonists](#)
- 7572796- [Substituted indoles](#)
- 7572797- [Amino substituted pyrazine derivatives for the treatment of pain](#)
- 7572830- [Acyloxyalkyl carbamate prodrugs, methods of synthesis and use](#)
- 7576094- [Spiro derivatives as lipoxygenase inhibitors](#)
- 7579188- [Oligodendrocytes derived from human embryonic stem cells for remyelination and treatment of spinal cord injury](#)
- 7592332- [Cytokine inhibitors](#)
- 7592449- [Structural carotenoid analogs for the inhibition and amelioration of disease](#)
- 7605171- [\(3,4-disubstituted\)propanoic carboxylates as S1P \(Edg\) receptor agonists](#)
- 7608403- [Method for cancer detection, progression analysis and malign tumour prognosis based on the study of metabolic markers of the cell](#)
- 7608704- [Secreted proteins](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7611893- [Metal-binding therapeutic peptides](#)
- 7612056- [Substituted diaza-spiro-\[4.5\]-decane derivatives and their use as neurokinin antagonists](#)
- 7612074- [Diazabicyclic aryl derivatives as cholinergic ligands](#)
- 7612177- [Protein for use in modifying abiotic stress tolerance in yeast](#)

- 7613343- [Nosologic system of diagnosis](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)
- 7605130- [Albumin-based colloid composition and method of use in treating hypovolemia and multiorgan dysfunction](#)
- 7604797- [Compositions and methods for treating burns](#)
- 7598355- [Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto](#)
- 7594890- [Multi-axial uterine artery identification, characterization, and occlusion devices](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7595079- [Nutritional conjunctive support therapy for recovery in animals following stress or illness](#)
- 7595297- [Method of reducing injury to mammalian cells](#)
- 7595315- [Morpholine derivatives as norepinephrine reuptake inhibitors](#)
- 7595336- [Isatine derivatives with neurotrophic activity](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7598282- [Neuroprotective agents](#)
- 7598286- [\[\(1H-indazol-3-yl\)methyl\]phenols and \(hydroxyphenyl\)\(1H-indazol-3-yl\)methanones](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7615572- [Pyrrole and pyrazole DAAO inhibitors](#)

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