

Optic Nerve

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Optic Nerve may be a reference to:*Optic nerve, the anatomical structure;*Optic Nerve , the comic book series;*Optic Nerve , the seminal release from the Irish hip hop act known as Exile Eye; or*Optic Nerve , a Red Hot Benefit Series tribute to David Wojnarowicz. Optometry Optometry is a health care profession concerned with eyes and related structures, vision, visual system and vision information processing in humans. Like most health professions, optometry education, certification and practice is regulated in most countries. Optometrists and related organizations interact with government, other health care professions and the community to deliver eyecare and visioncare. Optometry is a type of eyecare profession and optometrists often interact with other eye care professionals, such as ophthalmologists and opticians.) in use. ([From the Wikipedia article Optic Nerve](#).)

Recent Publications on Optic Nerve:



- [Retinal Arteriolar Vascular Reactivity in Untreated and Progressive Primary Open Angle Glaucoma.](#)
*Aim: To determine the: 1). Magnitude of retinal arteriolar vascular...*13th November, 2009
Department of Ophthalmology and Vision Sciences, University of Toronto,- Invest Ophthalmol Vis Sci. 2009 Nov 11. ([DOI Direct Link](#))
- [Optic Disc Diameter Increases During Acute Elevations of Intraocular Pressure.](#)
*Purpose: To evaluate optic nerve diameter changes in glaucomatous and...*13th November, 2009
wellington, New Zealand.- Invest Ophthalmol Vis Sci. 2009 Nov 11. ([DOI Direct Link](#))
- [Neuroprotective and axon growth-promoting effects following inflammatory stimulation on mature retinal ganglion cells in mice depend on ciliary neurotrophic factor and leukemia inhibitory factor.](#)
*After optic nerve injury retinal ganglion cells (RGCs) normally fail to...*13th November, 2009
Department of Experimental Neurology, University of Ulm, 89081 Ulm,- J Neurosci. 2009 Nov 11;29(45):14334-41. ([DOI Direct Link](#))
- [Exposure of the eyes to near-horizon sunshine may be a trigger for multiple sclerosis.](#)
*BACKGROUND: Multiple sclerosis (MS) incidence is higher among those who...*13th November, 2009
Institute of Biotechnology, University of Cambridge, Tennis Court Road,- Med Hypotheses. 2009 Nov 9. ([DOI Direct Link](#))
- [Optic nerve and vitreal inflammation are both RGC neuroprotective but only the latter is RGC axogenic.](#)
*Intravitreal inflammation, induced by either lens injury, or intravitreal...*11th November, 2009
Molecular Neuroscience Group, School of Clinical and Experimental- Neurobiol Dis. 2009 Nov 6. ([DOI Direct Link](#))
- [Dimensions of the Human Sclera: Thickness Measurement and Regional Changes With Axial Length.](#)
*Scleral thickness, especially near the region of the optic nerve head...*11th November, 2009
Mechanical and Industrial Engineering, University of Toronto, 5 King's- Exp Eye Res. 2009 Nov 6. ([DOI Direct Link](#))

- [Pyroglutamic acid promotes survival of retinal ganglion cells after optic nerve injury.](#)
PURPOSE: To determine whether pyroglutamic acid (PGA) enhances the... 11th November, 2009
Department of Ophthalmology, Hyogo College of Medicine, Hyogo, Japan.- *Curr Eye Res.* 2009 Jul;34(7):598-605.
- [\[Retinopathy in severe acute pancreatitis\]](#)
Retina examination performed in patients with severe acute pancreatitis... 11th November, 2009
Clinica Anestezie si Terapie Intensiva, UMF Craiova.- *Oftalmologia.* 2009;53(3):123-9.
- [\[Steroid induced ocular hypertension and glaucoma\]](#)
Steroid induced ocular hypertension and glaucoma represent iatrogenic... 11th November, 2009
- *Oftalmologia.* 2009;53(3):15-33.
- [Astrocyte and microglial activation in the lateral geniculate nucleus and visual cortex of glaucomatous and optic nerve transected primates.](#)
PURPOSE: To examine early cellular changes, including astrocyte reactivity... 10th November, 2009
Southern California College of Optometry, Fullerton, CA, USA.- *Mol Vis.* 2009 Oct 31;15:2217-29.
- [Activating transcription factor 3 \(ATF3\) expression in the neural retina and optic nerve of zebrafish during optic nerve regeneration.](#)
Fish, unlike mammals, can regenerate axons in the optic nerve following... 10th November, 2009
Department of Biology, Texas State University-San Marcos, San Marcos,- *Comp Biochem Physiol A Mol Integr Physiol.* 2009 Nov 4. ([DOI Direct Link](#))
- [Mutation of the Variant alpha-Tubulin TUBA8 Results in Polymicrogyria with Optic Nerve Hypoplasia.](#)
The critical importance of cytoskeletal function for correct neuronal... 10th November, 2009
Section of Genetics (Leeds Institute of Molecular Medicine [LIMM]),- *Am J Hum Genet.* 2009 Nov 4. ([DOI Direct Link](#))
- [Artificial vision by direct optic nerve electrode \(AV-DONE\) implantation in a blind patient with retinitis pigmentosa.](#)
The purpose of this study was to evaluate the efficacy and safety of... 7th November, 2009
Department of Ophthalmology, Osaka University Medical School, Suita,- *J Artif Organs.* 2009;12(3):206-9. Epub 2009 Sep 19. ([DOI Direct Link](#))
- [Optic neuritis--more than a loss of vision.](#)
BACKGROUND: Optic neuritis is an acute inflammation of the optic nerve... 7th November, 2009
Department of Ophthalmology, Flinders Medical Centre and Flinders- *Aust Fam Physician.* 2009 Oct;38(10):789-93.
- [Timing of Corticosteroid Therapy is Critical to Prevent Retinal Ganglion Cell Loss in Experimental Optic Neuritis.](#)
Purpose. Acute vision loss from optic neuritis typically resolves;... 7th November, 2009
Ophthalmology, University of Pennsylvania, Philadelphia, United States.- *Invest Ophthalmol Vis Sci.* 2009 Nov 5. ([DOI Direct Link](#))

BioNews Results for Optic Nerve

- [Snowboarding Gear for Women that Supports Breast Cancer Research](#)
Associated Content: Nov 10 2009 2:51PM Matching: optic nerve
- [Vision Loss in Optic Nerve Sheath Meningiomas Reduced by Fractionated Stereotactic Radiotherapy](#)
MedIndia: Nov 8 2009 6:20AM Matching: optic nerve
- [Medical News: Vision Loss In Optic Nerve Sheath Meningiomas Reduced By Fractionated Stereotactic Radiotherapy](#)
Medical News Today: Nov 4 2009 5:02PM Matching: optic nerve
- [Vision Loss In Optic Nerve Sheath Meningiomas Reduced By Fractionated Stereotactic Radiotherapy](#)
Medical News Today: Nov 4 2009 8:36PM Matching: optic nerve
- [Fractionated Stereotactic Radiotherapy Reduces Vision Loss in Patients with Optic Nerve Sheath](#)

Meningiomas

Newsweek: Nov 3 2009 8:14PM Matching: optic nerve

- [Master Regulator Found For Regenerating Nerve Fibers In Live Animals](#)
Medical News Today: Oct 26 2009 11:58AM Matching: optic nerve
- [Medical News: Master Regulator Found For Regenerating Nerve Fibers In Live Animals](#)
Medical News Today: Oct 26 2009 2:42PM Matching: optic nerve
- [Diagnostic Comparison between Macular and Peripapillary Retinal Nerve Fiber Layer Measurements by Spectral Domain Optical Coherence Tomography in Normal-Tension Glaucoma](#)
MDLinx: Oct 16 2009 11:40AM Matching: optic nerve
- [Ethnic Differences in Optic Nerve Head and Retinal Nerve Fibre Layer Thickness Parameters](#)
British Journal of Ophthalmology: Oct 14 2009 11:28PM Matching: optic nerve
- [Idiopathic Dural Optic Nerve Sheath Calcification](#)
British Journal of Ophthalmology: Oct 14 2009 11:41PM Matching: optic nerve
- [Peripapillary Retinal Nerve Fiber Layer Thickness Profile in Subjects with Myopia Measured Using the Stratus Optical Coherence Tomography](#)
British Journal of Ophthalmology: Oct 14 2009 11:33PM Matching: optic nerve
- [Ethnic Differences in Optic Nerve Head and Retinal Nerve Fibre Layer Thickness Parameters \[Clinical Science\]](#)
British Journal of Ophthalmology: Oct 13 2009 4:09AM Matching: optic nerve

Optic Nerve Clinical Trials:



- [Optic Nerve Sheath Fenestration](#)

Optic Nerve Patents:



- 7572251- [Systems and methods for electrosurgical tissue treatment](#)
- 7582080- [Implantable, tissue conforming drug delivery device](#)
- 7582292- [Adipose tissue derived stromal cells for the treatment of neurological disorders](#)
- 7582619- [Compositions and methods for treatment of mitochondrial diseases](#)
- 7582680- [Methods and compositions for treating mammalian spinal cord injuries](#)
- 7582744- [Chemically modified oligonucleotides](#)
- 7583419- [System for capturing graphical images using hyperspectral illumination](#)
- 7583827- [Assessment of lesions in an image](#)
- 7585517- [Transscleral delivery](#)
- 7589057- [Oil-in-water method for making alpha-2 agonist polymeric drug delivery systems](#)
- 7589097- [Triazol\[4,5-d\] pyrimidine derivatives and their use as purinergic receptor antagonists](#)

- 7578809- [Surface modified viscoelastics for ocular surgery](#)
- 7578795- [System and method for vision examination utilizing fault detection](#)
- 7572592- [Method for diagnosing multiple sclerosis](#)
- 7572781- [Prodrugs for use as ophthalmic agents](#)
- 7572913- [4-substituted piperidine derivatives](#)
- 7575321- [Apparatus and method of diagnosis of optically identifiable ophthalmic conditions](#)
- 7575323- [Method and device for determining the distance from a measurement point on a tissue surface of the eye](#)
- 7576078- [Tetrahydroquinoline analogues as muscarinic agonists](#)
- 7576081- [Morpholine dopamine agonists](#)
- 7576100- [Muscarinic agonists](#)
- 7576122- [Ophthalmic compositions for treating ocular hypertension](#)
- 7577481- [Methods and apparatus for effectuating a lasting change in a neural-function of a patient](#)
- 7589107- [Amelioration of vitrectomy-induced cataracts](#)
- 7589119- [Methods for treating or preventing metastatic cancer using benzopyranone compounds](#)
- 7590455- [Controlling therapy based on sleep quality](#)
- 7596400- [Electrode detector for monitoring biopotential on tissue](#)
- 7595430- [Methods and animal model for analyzing age-related macular degeneration](#)
- 7595306- [Method of treating neurodegenerative disease](#)
- 7595194- [Isolation of mammalian CNS glial-restricted precursor cells](#)
- 7594899- [Glaucoma implant device](#)
- 7594727- [Vision modification with reflected image](#)
- 7575742- [Method of treating autoimmune diseases with interferon-beta and IL-2R antagonist](#)
- 7592010- [Albumin fusion proteins](#)
- 7592324- [RNAi-mediated inhibition of ocular targets](#)
- 7592326- [Method for stimulating the immune, inflammatory or neuroprotective response](#)
- 7592330- [Methods and compositions for preserving the viability of photoreceptor cells](#)
- 7613519- [Peripheral nerve stimulation to treat auditory dysfunction](#)
- 7612880- [Advanced polarization imaging method, apparatus, and computer program product for retinal imaging, liquid crystal testing, active remote sensing, and other applications](#)
- 7612047- [Degradation-resistant mononucleoside phosphate compounds](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7611452- [Wizard and template for treatment planning](#)
- 7613359- [Single-chip color camera for high accuracy image measurements](#)
- 7608041- [Monitoring and control of sleep cycles](#)
- 7607777- [Method for diagnosis and treatment of processing difficulties, integration problems, imbalances and abnormal postures](#)
- 7604992- [Generation of neural stem cells from undifferentiated human embryonic stem cells](#)
- 7600533- [Microfluidic valve having free-floating member and method of fabrication](#)
- 7598288- [Inhibitors of glycogen synthase kinase-3 \(GSK-3\) for treating glaucoma](#)
- 7598252- [Compounds specific to adenosine A₁ receptors and uses thereof](#)
- 7615540- [Formulations comprising antisense nucleotides to connexins](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.
UK Tel: (+44) 1300 321501
USA Voicemail and Fax: (+1) 415 680 2472
[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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