

# Glaucoma

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National Eye Institute Glaucoma is a group of diseases of the optic nerve involving loss of retinal ganglion cells in a characteristic pattern of optic neuropathy. Although raised intraocular pressure is a significant risk factor for developing glaucoma, there is no set threshold for intraocular pressure that causes glaucoma. One person may develop nerve damage at a relatively low pressure, while another person may have high eye pressure for years and yet never develop damage. Untreated glaucoma leads to permanent damage of the optic nerve and resultant visual field loss, which can progress to blindness. Glaucoma has been nicknamed "the silent sight thief". Worldwide, it is the second leading cause of blindness. Glaucoma affects one in two hundred people aged fifty and younger and one in ten over the age of eighty. ([From the Wikipedia article Glaucoma](#).)

## Recent Publications on Glaucoma:



- [\[Postoperative complications and management of filtration surgery.\]](#)  
*Of the filtering procedures employed, trabeculectomy is the one most...* 13th November, 2009  
Klinik fur Augenheilkunde, Universitätsklinikum des Saarlandes, Kirrberger- Ophthalmologe. 2009 Nov 11. ([DOI Direct Link](#))
- [Healthcare charges in patients who transition from ocular hypertension to primary open-angle glaucoma based on ophthalmic coding data.](#)  
*INTRODUCTION: The purpose of this research was to assess the impact of...* 13th November, 2009  
Glaucoma Service, Massachusetts Eye and Ear Infirmary, Harvard Medical- Adv Ther. 2009 Nov 11. ([DOI Direct Link](#))
- [Rho-kinase inhibitors as therapeutics: from pan inhibition to isoform selectivity.](#)  
*The emerging critical implications of Rho/Rho-kinase (ROCK) signaling in...* 13th November, 2009  
Discovery Biology, Translational Research Institute, The Scripps Research- Cell Mol Life Sci. 2009 Nov 12. ([DOI Direct Link](#))
- [Glaucoma Tube Shunt Implantation Through the Ciliary Sulcus in Pseudophakic Eyes With High Risk of Corneal Decompensation.](#)  
*PURPOSE: To summarize our clinical experience with implanting Baerveldt...* 13th November, 2009  
\*Beaumont Eye Institute section sign Beaumont Research Institute, William- J Glaucoma. 2009 Nov 10. ([DOI Direct Link](#))
- [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](#))
- [\[Complications of uveitis: prevalence and risk factors in a serie of 398 cases.\]](#)  
*OBJECTIVE: To estimate the rate of complications and establish risk...*11th November, 2009  
 Hospital de La Princesa, Servicio de Oftalmologia, Madrid, Espana.- Arch Soc Esp Oftalmol. 2009 Oct;84(10):523-8.
  - [\[New developments in glaucoma medical treatment.\]](#)  
*The medical treatment of glaucoma has undergone significant development in...*11th November, 2009  
 Seccion de Glaucoma del Servicio de Oftalmologia del Hospital Ramon y- Arch Soc Esp Oftalmol. 2009 Oct;84(10):491-500.
  - [\[Role of the cannabionoids in glaucoma.\]](#)  
*The medical treatment of glaucoma has undergone significant development in...*11th November, 2009  
 Servicio de Oftalmologia del Hospital de Cruces, Departamento de Biologia- Arch Soc Esp Oftalmol. 2009 Oct;84(10):487-8.
  - [\[Diffuse glaucomatous structural and functional damage in the hemifield without significant pattern loss.\]](#)  
*OBJECTIVES: To compare the retinal nerve fiber layer (RNFL) thickness and...*11th November, 2009  
 Palmer Eye Institute, Department of Ophthalmology, University of Miami- Arch Ophthalmol. 2009 Nov;127(11):1442-8. ([DOI Direct Link](#))
  - [\[Outcomes of Ahmed glaucoma valve implantation in children with primary congenital glaucoma.\]](#)  
*OBJECTIVES: To evaluate the long-term efficacy of intraocular pressure...*11th November, 2009  
 Glaucoma Division, Jules Stein Eye Institute, David Geffen School of- Arch Ophthalmol. 2009 Nov;127(11):1436-41. ([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](#))
  - [\[A randomized, 36-month, post-marketing efficacy and tolerability study in Sweden and Finland of latanoprost versus non-prostaglandin therapy in patients with glaucoma or ocular hypertension.\]](#)  
*Abstract. Purpose: To compare the effect of time on therapy, efficacy,...*11th November, 2009  
 University Hospital, Linkoping, Sweden.- Acta Ophthalmol. 2009 Nov 7. ([DOI Direct Link](#))
  - [\[Trabeculectomy with OloGen versus trabeculectomy for the treatment of glaucoma: a pilot study.\]](#)  
*Abstract. Purpose: To present the preliminary results of our study...*11th November, 2009  
 Department of Ophthalmology, University of Athens, Greece.- Acta Ophthalmol. 2009 Nov 7. ([DOI Direct Link](#))
  - [\[Molteno aqueous shunt as a primary surgical intervention for uveitic glaucoma: long-term results.\]](#)  
*Abstract. Purpose: To evaluate the efficacy of Molteno aqueous shunt as a...*11th November, 2009  
 Department of Ophthalmology, Turku University Hospital, Turku, Finland.- Acta Ophthalmol. 2009 Nov 7. ([DOI Direct Link](#))

## BioNews Results for Glaucoma

- [Study finds associations between blood type and glaucoma in Pakistani patients](#)  
*OSN Super Site: Nov 13 2009 8:49AM Matching: glaucoma*
- [Glaucoma a risk factor for corneal graft failure in pediatric patients](#)  
*OSN Super Site: Nov 13 2009 8:49AM Matching: glaucoma*
- [Tube shunt surgery has higher success rate than trabeculectomy with MMC at 3 years](#)  
*PCON SuperSite: Nov 13 2009 4:34PM Matching: glaucoma*
- [Virtual assessment and glaucoma shared care](#)  
*Eye: Nov 13 2009 12:02PM Matching: glaucoma*
- [Trabeculectomy with OloGen versus trabeculectomy for the treatment of glaucoma](#)  
*MDLinx: Nov 13 2009 11:06AM Matching: glaucoma*

- [Alterations in anterior chamber depth in primary open-angle glaucoma patients during latanoprost therapy](#)  
*MDLinx: Nov 13 2009 11:06AM Matching: glaucoma*
- [Efficacy and safety of travoprost/timolol vs dorzolamide/timolol in patients with open-angle glaucoma or ocular hypertension](#)  
*MDLinx: Nov 13 2009 11:06AM Matching: glaucoma*
- [Herpetic keratitis and keratouveitis after mitomycin-C use in glaucoma filtering surgery](#)  
*MDLinx: Nov 13 2009 11:02AM Matching: glaucoma*
- [Higher success rate found for initial trabeculectomy cases with MMC compared with repeat cases](#)  
*OSN Super Site: Nov 11 2009 6:45PM Matching: glaucoma*
- [Nonspecific therapy for uveitis](#)  
*Thomson Veterinary Healthcare Communications: Nov 11 2009 9:56AM Matching: glaucoma*
- [Intravitreal bevacizumab combined with panretinal photocoagulation in the treatment of open angle neovascular glaucoma](#)  
*MDLinx: Nov 11 2009 10:32AM Matching: glaucoma*
- [1930s Drug Slows Tumor Growth: Gonorrhea Medication Might Help Fight Cancer, Johns Hopkins University Study](#)  
*BioSpace: Nov 10 2009 9:27PM Matching: glaucoma*
- [1930s Drug Slows Tumor Growth](#)  
*Pharmaceutical Online: Nov 10 2009 9:11AM Matching: glaucoma*
- [Sucampo Pharmaceuticals Releases Financial Results for 3Q 2009](#)  
*Quote.com Japan: Nov 10 2009 5:26AM Matching: glaucoma*
- [Sucampo Pharmaceuticals Releases Financial Results for 3Q 2009](#)  
*TradingMarkets: Nov 10 2009 5:03AM Matching: glaucoma*

#### Glaucoma Clinical Trials:



- [Earlier Intraocular Pressure Control After Ahmed Glaucoma Valve Implantation for Glaucoma](#)

#### Glaucoma Patents:



- 7601710- [Preparation of hymenialdisine derivatives and use thereof](#)
- 7607777- [Method for diagnosis and treatment of processing difficulties, integration problems, imbalances and abnormal postures](#)
- 7608393- [Methods of predicting a benefit of antioxidant therapy for prevention of cardiovascular disease in hyperglycemic patients](#)
- 7608585- [Compositions for inhibition of necrosis induced by a neurotrophin](#)

- 7608603- [Substituted pyrazolo\[3,4-D\]pyrimidines as p38 MAP kinase inhibitors](#)
- 7608622- [Imidazo\[4,5-b\]pyrazinone inhibitors of protein kinases](#)
- 7608624- [1-\[alkyl\], 1-\[\(heteroaryl\)alkyl\] and 1-\[\(aryl\)alkyl\]-7-pyridinyl-imidazo\[1,2-a\]pyrimidin-5\(1h\)-one derivatives](#)
- 7608635- [Pyrazole compounds that modulate HSP90 activity](#)
- 7608637- [Pharmaceutical composition for treatment of diseases associated with decrease in bone mass comprising EP4 agonist as the active ingredient](#)
- 7608704- [Secreted proteins](#)
- 7608716- [Pyrazolonaphthyridine derivative](#)
- 7605289- [Benzamide derivatives and uses related thereto](#)
- 7605264- [Heterocyclic modulators of the glucocorticoid receptor, AP-1, and/or NF-.kappa.B activity and use thereof](#)
- 7605235- [Anti-tissue factor antibodies and compositions](#)
- 7601718- [Compositions useful as inhibitors of protein kinases](#)
- 7601726- [Substituted pyrazolo\[3,4-d\]pyrimidines as p38 MAP kinase inhibitors](#)
- 7601839- [Pyrrolo-pyridine kinase modulators](#)
- 7601889- [Elongase gene and production of .DELTA.9-polyunsaturated fatty acids](#)
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- 7604933- [Method for sorting tumor cells](#)
- 7604993- [Combined regulation of neural cell production](#)
- 7605154- [Substituted Thiazolo \[4,5-d\]pyrimidines as protein kinase inhibitors](#)
- 7605166- [Methods and compositions for treating rheumatoid arthritis](#)
- 7605178- [Therapeutic compounds](#)
- 7608718- [4,5-dihydro-1H-pyrazole derivatives having potent CB.sub.1-antagonistic activity](#)
- 7608757- [Signal transduction stress-related proteins and methods of use in plants](#)
- 7612880- [Advanced polarization imaging method, apparatus, and computer program product for retinal imaging, liquid crystal testing, active remote sensing, and other applications](#)
- 7614747- [Automated vision screening apparatus and method](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615535- [Inhibiting GS-FDH to modulate no bioactivity](#)
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- 7615564- [Isoquinoline derivatives having kinasae inhibitory activity and drugs containing the same](#)
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- 7615610- [Modified trafficking patterns for arrestin and G-protein-coupled receptors via arrestin-ubiquitin chimera](#)
- 7615616- [Bioinformatic method for identifying surface-anchored proteins from gram-positive bacteria and proteins obtained thereby](#)
- 7615664- [Phenyloctanamides](#)
- 7612180- [Humanized L243 antibodies](#)
- 7612115- [Aqueous pharmaceutical compositions](#)
- 7612101- [Abnormal cannabidiols as agents for lowering intraocular pressure](#)
- 7608759- [Scarecrow-like stress-related polypeptides and methods of use in plants](#)
- 7610074- [Multi-functional plasmon-resonant contrast agents for optical coherence tomography](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7611832- [Human G protein-coupled receptor and modulators thereof for the treatment of ischemic heart disease and congestive heart failure](#)
- 7611857- [IL-receptor like molecules and uses thereof](#)
- 7611886- [Enzymatic transformation of a prostaglandin \(bimatoprost\) intermediate](#)
- 7611895- [Method for growth of human conjunctival tissue equivalents for research, clinical ocular surface transplantation and tissue engineering](#)
- 7612047- [Degradation-resistant mononucleoside phosphate compounds](#)

- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7612082- [Prostaglandin EP.sub.4 antagonists](#)
- 7615679- [Method of producing polyunsaturated fatty acids, novel biosynthesis genes, and novel plant expression constructs](#)

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