

# Amblyopia

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Amblyopia, or lazy eye, is a disorder of the visual system that is characterized by poor or indistinct vision in an eye that is otherwise physically normal, or out of proportion to associated structural abnormalities. It has been estimated to affect 1&ndash;5% of the population. The problem is caused by either no transmission or poor transmission of the visual image to the brain for a sustained period of dysfunction or during early childhood. Amblyopia normally only affects one eye, but it is possible to be amblyopic in both eyes if both are similarly deprived of a good, clear visual image. Detecting the condition in early childhood increases the chance of successful treatment. While the colloquialism "lazy eye" is frequently used to refer to amblyopia, the term is inaccurate because there is no "laziness" of either the eye or the amblyope involved in the condition. Therefore, some consider the term "lazy eye" to be pejorative. ([From the Wikipedia article Amblyopia](#).)

## Recent Publications on Amblyopia:



- [Pharmacokinetics and tolerability of single escalating doses of fampridine sustained-release tablets in patients with multiple sclerosis: A phase I-II, open-label trial.](#)  
*Background: Fampridine (4-aminopyridine) is a potassium channel-blocking...* 20th November, 2009  
University of Colorado, Denver, Colorado.- Clin Ther. 2009 Oct;31(10):2206-2214. ([DOI Direct Link](#))
- [A new macular dystrophy with anomalous vascular development, pigment spots, cystic spaces, and neovascularization.](#)  
*OBJECTIVE: To clinically phenotype an inherited macular dystrophy with...* 18th November, 2009  
Department of Ophthalmology and Visual Sciences, University of Iowa Roy J.- Arch Ophthalmol. 2009 Nov;127(11):1449-57. ([DOI Direct Link](#))
- [Levodopa Inhibits the Development of Form-Deprivation Myopia in Guinea Pigs.](#)  
*PURPOSE.: It has been shown that visual deprivation leads to a myopic...* 11th November, 2009  
\*MD daggerBS Department of Ophthalmology (MJ, LS, LF, WX, TQ), and- Optom Vis Sci. 2009 Nov 5. ([DOI Direct Link](#))
- [Development and Initial Validation of Quality-of-Life Questionnaires for Intermittent Exotropia.](#)  
*PURPOSE: The development and initial validation of patient-derived,...* 10th November, 2009  
Department of Ophthalmology, Mayo Clinic, Rochester, Minnesota.- Ophthalmology. 2009 Nov 5. ([DOI Direct Link](#))
- [Amblyopia Therapy in Children Identified by Photoscreening.](#)  
*PURPOSE: To determine the efficacy of amblyopia treatment in children...* 10th November, 2009  
Department of Ophthalmology, Vanderbilt University School of Medicine,- Ophthalmology. 2009 Nov 4. ([DOI Direct Link](#))
- [Conversion visual loss: a differential diagnosis in infant amblyopia.](#)  
*Purpose. To report the first case of amblyopia due to a conversion...* 3rd November, 2009  
Instituto Oftalmologico de Alicante, VISSUM, Alicante; and University- Eur J Ophthalmol. 2009

Nov-Dec;19(6):1066-9.

- [Corneal higher-order aberrations in amblyopia.](#)  
*Purpose. To investigate the amount, type, and role of corneal higher order...3rd November, 2009*  
Vissum/Instituto Oftalmologico de Alicante, Universidad de Alicante,- Eur J Ophthalmol. 2009 Aug 27.
- [Decreased grey matter concentration in the lateral geniculate nuclei of human amblyopes.](#)  
*PURPOSE: In a group of humans with strabismic amblyopia we examined the...31st October, 2009*  
Wellcome Dept. Imaging, Institute of Neurology, Queens Square, London,- Invest Ophthalmol Vis Sci. 2009 Oct 29. ([DOI Direct Link](#))
- [Macular Abnormality Observed by Optical Coherence Tomography in Children with Amblyopia Failing to Achieve Normal Visual Acuity After Long-Term Treatment.](#)  
*PURPOSE:To investigate why some children with amblyopia fail to achieve...31st October, 2009*  
- J Pediatr Ophthalmol Strabismus. 2009 Nov 2:1-7. doi: ([DOI Direct Link](#))
- [Evaluation of 'vision screening' program for three to six-year-old children in the Republic of Iran.](#)  
*BACKGROUND : Since 1996, vision screening of three to six-year-old...29th October, 2009*  
Ophthalmologist and Epidemiologist, Low Vision Care expert, Advisor, Eye- Indian J Ophthalmol. 2009 Nov-Dec;57(6):437-42. ([DOI Direct Link](#))
- [\[Early visual screening appears essential to detect complete amblyopia risk and to treat strabismus earlier.\]](#)  
*INTRODUCTION: Early medical examinations performed in 2-, 4-, 9-, and...27th October, 2009*  
Service Departemental de PMI, Conseil General des Hauts de Seine,- J Fr Ophtalmol. 2009 Oct 23. ([DOI Direct Link](#))
- [Congenital rotated macula with good vision and binocular function.](#)  
*BACKGROUND: Two patients presented with congenital rotated macula with...23rd October, 2009*  
Department of Ophthalmology, National Center for Child Health and- Jpn J Ophthalmol. 2009 Sep;53(5):452-4. Epub 2009 Oct 22. ([DOI Direct Link](#))
- [Treatment of severe amblyopia with weekend atropine: Results from 2 randomized clinical trials.](#)  
*BACKGROUND: Two patients presented with congenital rotated macula with...21st October, 2009*  
- J AAPOS. 2009 Oct;13(5):528-9; author reply 529. ([DOI Direct Link](#))
- [Large orbital osteoma arising from orbital roof: Excision through an upper blepharoplasty incision.](#)  
*Osteoma is the most common benign tumor of facial bony structure...21st October, 2009*  
Department of Plastic and Reconstructive Surgery, Karadeniz Technical- Orbit. 2009;28(2-3):200-2.
- [Consecutive exotropia after surgical treatment of childhood esotropia: a 40-year follow-up study.](#)  
*Purpose: To determine the incidence of consecutive exotropia (XT)...28th August, 2009*  
Department of Ophthalmology, Sultan Qaboos University, Muscat, Oman.- Acta Ophthalmol. 2009 Nov 19. ([DOI Direct Link](#))

## BioNews Results for Amblyopia

- [State of the Art: Utility of refractive surgery in pediatric patients](#)  
*PCON SuperSite: Nov 18 2009 4:57AM Matching: amblyopia*
- [Amblyopia Therapy in Children Identified by Photoscreening](#)  
*MDLinx: Nov 6 2009 10:57AM Matching: amblyopia*
- [Psychological causes of non-compliance with electronically monitored occlusion therapy for amblyopia](#)  
*British Journal of Ophthalmology: Oct 24 2009 1:03AM Matching: amblyopia*
- [Pediatric dispensing for any age](#)  
*Ophthalmology Times: Oct 24 2009 4:07PM Matching: amblyopia*
- [Conventional occlusion versus pharmacologic penalization for amblyopia](#)  
*MDLinx: Oct 21 2009 10:25AM Matching: amblyopia*
- [Amblyopia: what does the future hold?](#)  
*British Journal of Ophthalmology: Oct 15 2009 1:32AM Matching: amblyopia*

- [Implantation of the multifocal ReSTOR apodised diffractive intraocular lens in adult anisometric patients with mild to moderate amblyopia](#)  
*British Journal of Ophthalmology: Oct 15 2009 1:33AM Matching: amblyopia*
- [Psychological causes of noncompliance with electronically monitored occlusion therapy for amblyopia](#)  
*British Journal of Ophthalmology: Oct 14 2009 11:37PM Matching: amblyopia*
- [Accelerated Corneal Graft Rejection in Baby Rats](#)  
*British Journal of Ophthalmology: Oct 14 2009 11:30PM Matching: amblyopia*
- [Study shows steady myopic shift in patients with strabismus and proper alignment](#)  
*OSN Super Site: Oct 14 2009 3:27PM Matching: amblyopia*
- [Round table: Vision screenings vs. mandatory exams, MRI vs. CT](#)  
*PCON SuperSite: Oct 13 2009 12:49PM Matching: amblyopia*

### Amblyopia Clinical Trials:



- [Occlusion Versus Pharmacologic Therapy for Moderate Amblyopia](#)

### Amblyopia Patents:



- 7368527- [HADDE71 polypeptides](#)
- 7427135- [Adaptive photoscreening system](#)
- 7427138- [Method and apparatus for improving visual perception](#)
- 7429577- [Augmentation of atypical antipsychotic agent pharmacotherapy with chromium supplementation](#)
- 7435808- [Polynucleotides encoding novel adiponectin receptor variant, AdipoR2v2](#)
- 7446176- [12 human secreted proteins](#)
- 7446181- [Antibodies that bind human Dickkopf-1 proteins](#)
- 7452067- [Electronic transparency regulation element to enhance viewing through lens system](#)
- 7456027- [Proteolytic biomarkers for traumatic injury to the nervous system](#)
- 7456256- [BGS 4](#)
- 7457041- [Head-mounted display and image adjustment method for the same](#)
- 7425610- [Methods and materials relating to CD84-like polypeptides and polynucleotides](#)
- 7425340- [Permeation enhancing compositions for anticholinergic agents](#)
- 7417121- [Human G-protein coupled receptor, HGPRBMY39](#)
- 7368531- [Human secreted proteins](#)
- 7371822- [Human G-protein coupled receptor variant of HM74, HGPRBMY74](#)
- 7381800- [Antibodies to HBIMF63 polypeptide](#)
- 7390637- [Keratinocyte derived interferon](#)

- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7396654- [Neural proteins as biomarkers for traumatic brain injury](#)
- 7399633- [Methods for immortalizing cells](#)
- 7403337- [Focus adjustable head mounted display system and method and device for realizing the system](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7411052- [Methods and materials relating to stem cell growth factor-like polypeptides and polynucleotides](#)
- 7459531- [50 Human secreted proteins](#)
- 7459532- [Variants of the TRP channel family member, LTRPC3G](#)
- 7517870- [Use of compounds that interfere with the hedgehog signaling pathway for the manufacture of a medicament for preventing, inhibiting, and/or reversing ocular diseases related with ocular neovascularization](#)
- 7521424- [Albumin fusion proteins](#)
- 7547435- [Pharmacological vitreolysis](#)
- 7547687- [Therapeutic treatment methods](#)
- 7569384- [Albumin fusion proteins](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7578795- [System and method for vision examination utilizing fault detection](#)
- 7579168- [Human Dickkopf-related nucleic acid molecules](#)
- 7592010- [Albumin fusion proteins](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7517648- [NPHP nucleic acids and proteins](#)
- 7514079- [Antibodies that specifically bind to neurokinin B](#)
- 7507414- [Albumin fusion proteins](#)
- 7470025- [Ophthalmic apparatus](#)
- 7470441- [Method for preparing Mucuna pruriens seed extract](#)
- 7479481- [Treatment of ocular diseases and disorders using lantibiotic compositions](#)
- 7481535- [Complete autorefractor system in an ultra-compact package](#)
- 7482013- [Albumin fusion proteins](#)
- 7482334- [Therapeutic treatment methods](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7502995- [Processing structured/hierarchical content](#)
- 7504481- [TRP channel family member, LTRPC3 polypeptides](#)
- 7507413- [Albumin fusion proteins](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)

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