

Hyperopia

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Hyperopia, also known as hypermetropia or colloquially as farsightedness or longsightedness, is a defect of vision caused by an imperfection in the eye , causing inability to focus on near objects, and in extreme cases causing a sufferer to be unable to focus on objects at any distance. As an object moves toward the eye, the eye must increase its power to keep the image in focus on the retina. If the power of the cornea and lens is insufficient, as in hyperopia, the image will appear blurred. People with hyperopia can experience blurred vision, asthenopia, accommodative dysfunction, binocular dysfunction, amblyopia, and strabismus. Hyperopia is often confused with presbyopia , another condition that frequently causes blurry near vision. Presbyopes who report good far vision typically experience blurry near vision because of a reduced accommodative amplitude brought about by natural aging changes with the crystalline lens. ([From the Wikipedia article Hyperopia](#) .)

Recent Publications on Hyperopia:



- [Sonic hedgehog expression and its role in form-deprivation myopia in mice.](#)
PURPOSE: To investigate whether sonic hedgehog (*Shh*) plays a role in...11th November, 2009
Department of Ophthalmology, Eye, Ear, Nose, Throat Hospital, Fudan- Curr Eye Res. 2009 Aug;34(8):623-35.
- [Refractive surgery in children.](#)
PURPOSE: To evaluate the visual, motor, and sensory outcomes of...6th November, 2009
- Am J Ophthalmol. 2009 Nov;148(5):809-10; author reply 810-1. ([DOI Direct Link](#))
- [Photorefractive keratectomy in the management of refractive accommodative esotropia in young adult patients.](#)
PURPOSE: To evaluate the visual, motor, and sensory outcomes of...3rd November, 2009
Department of Ophthalmology, Policlinico Umberto I, University of Rome,- J Cataract Refract Surg. 2009 Nov;35(11):1873-7. ([DOI Direct Link](#))
- [Anthropomorphic measurements and general and ocular parameters in adult Chinese: the Beijing Eye Study.](#)
Abstract. Purpose: To determine whether anthropomorphic measurements are...3rd November, 2009
Beijing Institute of Ophthalmology, Beijing Tongren Hospital, Capital- Acta Ophthalmol. 2009 Oct 30. ([DOI Direct Link](#))
- [Ocular component growth curves among Singapore children with different refractive error status.](#)
Purpose: To describe and compare ocular component growth curves among...31st October, 2009
Health Services Research and Evaluation Division, Ministry of Health,- Invest Ophthalmol Vis Sci. 2009 Oct 29. ([DOI Direct Link](#))
- [Epidemiology of refractive errors in an adult European population: the Segovia study.](#)
PURPOSE: To determine the prevalence of refractive errors in Segovia,...31st October, 2009

- Catalonian Retina- Ophthalmic Epidemiol. 2009 Jul-Aug;16(4):231-7.
- [Relation between Axial Length and Ocular Parameters.](#)
*Purpose: To investigate the relation between axial length (AL) and ocular...*30th October, 2009
 Department of Ophthalmology, Kangbuk Samsung Hospital, Sungkyunkwan- Ophthalmologica. 2009 Oct 28;224(3):188-193. ([DOI Direct Link](#))
 - [Prevalence of Heterophoria and Associations with Refractive Error, Heterotropia and Ethnicity in Australian School Children.](#)
*AIMS: To establish the prevalence of heterophoria and its association with...*24th October, 2009
 University of Sydney, Australia;- Br J Ophthalmol. 2009 Oct 22. ([DOI Direct Link](#))
 - [Effect of the shape of the endothelial graft on the refractive results after Descemet's stripping with automated endothelial keratoplasty.](#)
*OBJECTIVE: To investigate the magnitude and the possible causes of the...*23rd October, 2009
 Rand Eye Institute,- Can J Ophthalmol. 2009 Oct;44(5):557-61. ([DOI Direct Link](#))
 - [Effects of altered corneal stiffness on native and postoperative LASIK corneal biomechanical behavior: A whole-eye finite element analysis.](#)
*PURPOSE: To investigate the impact of corneal elasticity on corneal shape...*20th October, 2009
 Cole Eye Institute, Cleveland, Ohio, USA.- J Refract Surg. 2009 Oct;25(10):875-87. doi: 10.3928/1081597X-20090917-09. ([DOI Direct Link](#))
 - [Retinal structure in amlyopia.](#)
*PURPOSE: To compare cycloplegic refractions in accommodative esotropes who...*17th October, 2009
 - Ophthalmology. 2009 Oct;116(10):2041; author reply 2042. ([DOI Direct Link](#))
 - [Severe hyperopic shift and irregular astigmatism after radial keratotomy.](#)
*OBJECTIVES: To report a case of acute high hyperopia occurring after...*9th October, 2009
 Department of Ophthalmology, University of Tokyo Graduate School of- Eye Contact Lens. 2009 Nov;35(6):345-7. ([DOI Direct Link](#))
 - [Cycloplegic Refractions in Children Who Never Wore and Who Always Wore Prescribed Spectacles for Refractive Accommodative Esotropia: Exploring the Natural History of this Form of Strabismus and the Effect of Treatment on their Hyperopia.](#)
*PURPOSE: To compare cycloplegic refractions in accommodative esotropes who...*8th October, 2009
 - Binocul Vis Strabismus Q. 2009;24(3):151-6.
 - [Pseudopapilledema in Kenny-Caffey Syndrome.](#)
*A 21-year-old man with Kenny-Caffey syndrome had been observed since 1993...*2nd October, 2009
 - J Pediatr Ophthalmol Strabismus. 2009 Oct 2:1-3. doi: ([DOI Direct Link](#))

BioNews Results for Hyperopia

- [Clinical Review of Corneal Inlays to Correct Presbyopia: Presented at AAO-PAAO](#)
Doctors Guide: Oct 28 2009 2:45AM Matching: hyperopia
- [Prevalence of Heterophoria and Associations with Refractive Error, Heterotropia and Ethnicity in Australian School Children](#)
British Journal of Ophthalmology: Oct 22 2009 10:53AM Matching: hyperopia
- [AAO report: DSEK and PK have similar risks, graft survival and visual acuity](#)
OSN Super Site: Oct 21 2009 12:19AM Matching: hyperopia
- [Effects of Altered Corneal Stiffness on Native and Postoperative LASIK Corneal Biomechanical Behavior: A Whole](#)
PCON SuperSite: Oct 20 2009 5:24PM Matching: hyperopia
- [Increased hyperopia with ageing based on cycloplegic refractions in adults: the Tehran Eye Study](#)
British Journal of Ophthalmology: Oct 14 2009 11:32PM Matching: hyperopia

Hyperopia Clinical Trials:



- [Correction of Hyperopia in Children Study \(CHICS\)](#)

Hyperopia Patents:



- 7476248- [Method of calculating the required lens power for an ophthalmic implant](#)
- 7517083- [Electro-optic lens with integrated components for varying refractive properties](#)
- 7517086- [Compensating for defects in human vision while displaying text and computer graphics objects on a computer output device](#)
- 7520609- [Non-invasive measurement of tear volume systems and methods](#)
- 7520612- [Presbyopia correction using patient data](#)
- 7520613- [Wavefront aberration compensating apparatus and ophthalmologic unit having the same](#)
- 7524059- [System, apparatus and method for correcting vision with an adaptive optic](#)
- 7524062- [Ophthalmologic apparatus](#)
- 7524065- [Vision testing with rendered digital imagery modification under viewer control](#)
- 7530689- [Orthokeratological contact lenses and design methods therefor](#)
- 7533990- [Ophthalmologic apparatus](#)
- 7513620- [Correction of presbyopia using adaptive optics and associated methods](#)
- 7511896- [Telescopes for simultaneous clear viewing of objects and areas both near and distant](#)
- 7506983- [Method of optical treatment](#)
- 7478907- [Presbyopia correction through negative high-order spherical aberration](#)
- 7478911- [Perimeter](#)
- 7479481- [Treatment of ocular diseases and disorders using lantibiotic compositions](#)
- 7481532- [Pseudo-accommodative IOL having multiple diffractive patterns](#)
- 7481536- [Methods and systems for differentiating left and right eye images](#)
- 7490936- [Enhanced electro-active lens system](#)
- 7490938- [Method, device and computer program for selecting an intraocular lens for an aphakic eye that has previously been subjected to refractive surgery](#)
- 7494220- [Method and system for improving accuracy in autorefraction measurements by including measurement distance between the photoreceptors and the scattering location in an eye](#)
- 7497866- [Methods for producing epithelial flaps on the cornea and for placement of ocular devices and lenses beneath an epithelial flap or membrane, epithelial delaminating devices, and structures of epithelium and ocular devices and lenses](#)
- 7503916- [Integrated scanning and ocular tomography system and method](#)
- 7533993- [Method and apparatus for correcting vision using an electro-active phoropter](#)
- 7534779- [Quinol compound and pharmaceutical composition](#)
- 7572781- [Prodrugs for use as ophthalmic agents](#)
- 7575322- [Auto-alignment and auto-focus system and method](#)

- 7576916- [Light guide optical device](#)
- 7582081- [Systems and methods for corneal surface ablation to correct hyperopia](#)
- 7584756- [Apparatus and method for correction of aberrations in laser system optics](#)
- 7585074- [Hybrid contact lens system and method](#)
- 7585075- [Corneal onlays and wavefront aberration correction to enhance vision](#)
- 7588332- [Enhanced electro-active lens system](#)
- 7594725- [Contact lens and methods of manufacture and fitting such lenses and computer program product](#)
- 7597442- [Polarizing ophthalmic lens adapted to a wearer's eye/head behavior](#)
- 7572006- [Transparent and polarizing vision element having areas which are associated with polarization filters that are respectively vertically and horizontally oriented](#)
- 7566129- [Ophthalmologic apparatus](#)
- 7559650- [Manufacturing techniques for the production of hydrodynamic multifocal contact lenses](#)
- 7537341- [Wavefront aberration compensating apparatus and ophthalmologic unit having the same](#)
- 7540614- [Ophthalmologic apparatus](#)
- 7544194- [Method of generating a control program for a device for photorefractive corneal surgery of the eye](#)
- 7545515- [Object shaping device](#)
- 7547102- [Wavefront propagation from one plane to another](#)
- 7549745- [Apparatus and method for correcting for aberrations in a lens system](#)
- 7553019- [Variable focus spectacles](#)
- 7556375- [Soft lens orthokeratology](#)
- 7556378- [Intraoperative estimation of intraocular lens power](#)
- 7556554- [Apparatus and method for manufacturing optical objects](#)
- 7611244- [Adaptive optics for compensating for optical aberrations in an imaging process](#)

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