

Anisometropia

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Anisometropia is the condition in which the two eyes have unequal refractive power; that is, are in different states of myopia , hyperopia or in the extreme, Antimetropia , the unequal refractive states cause unequal rotations thus leading to diplopia and asthenopia. Anisometropia can adversely affect the development of binocular vision in infants and children if there is a large difference in clarity between the two eyes. The brain will often suppress the vision of the blurrier eye in a condition called amblyopia, or lazy eye. ([From the Wikipedia article Anisometropia](#) .)

Recent Publications on Anisometropia:



- [Evaluation of refraction in a statistically significant sample: changes according to age and strabismus.](#)
PURPOSE: To assess possible refractive changes according to age and...13th November, 2009
Department of Ophthalmology, Modena & Reggio Emilia University, Modena,- J Pediatr Ophthalmol Strabismus. 2009 Sep-Oct;46(5):266-72. doi: ([DOI Direct Link](#))
- [Refractive errors in a rural Chinese adult population the Handan eye study.](#)
PURPOSE: To describe the prevalence of and risk factors for myopia and...13th November, 2009
Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical- Ophthalmology. 2009 Nov;116(11):2119-27. Epub 2009 Sep 10. ([DOI Direct Link](#))
- [Refractive surgery in children.](#)
*Computerized binocular infrared pupillography was used to measure the...*6th November, 2009
- Am J Ophthalmol. 2009 Nov;148(5):809-10; author reply 810-1. ([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.
- [A randomized, clinical trial evaluating ready-made and custom spectacles delivered via a school-based screening program in China.](#)
PURPOSE: We sought to evaluate visual performance and satisfaction with...17th October, 2009
State Key Laboratory of Ophthalmology, Zhongshan Ophthalmic Center, Sun- Ophthalmology. 2009 Oct;116(10):1839-45. Epub 2009 Jul 9. ([DOI Direct Link](#))
- [\[Spatial contrast sensitivity and corneal higher-order aberrations after refractive surgery in children with hypermetropic anisometropia\]](#)
*Spatial contrast sensitivity (SCS) was analyzed using mesopic (light off...*15th October, 2009
- Vestn Oftalmol. 2009 Jul-Aug;125(4):11-4.
- [Anisometropia in Hispanic and African American Infants and Young Children The Multi-Ethnic Pediatric Eye Disease Study.](#)
PURPOSE: To determine anisometropia prevalence and associated risk factors...13th October, 2009

- Doheny Eye Institute and the Department of Ophthalmology, Keck School of- Ophthalmology. 2009 Oct 7. ([DOI Direct Link](#))
- [Macular and nerve fiber layer thickness in amblyopia: the Sydney Childhood Eye Study.](#)
*PURPOSE: To examine macular and peripapillary retinal nerve fiber layer...*25th September, 2009
Centre for Vision Research, Department of Ophthalmology and Westmead- Ophthalmology. 2009 Sep;116(9):1604-9. Epub 2009 Jun 27. ([DOI Direct Link](#))
 - [Treatment of severe amblyopia with weekend atropine: results from 2 randomized clinical trials.](#)
*PURPOSE: To determine the effectiveness of weekend atropine for severe...*22nd September, 2009
Wilmer Ophthalmological Institute, Johns Hopkins University, Baltimore,- J AAPOS. 2009 Jun;13(3):258-63. ([DOI Direct Link](#))
 - [Neuromuscular plasticity and rehabilitation of the ocular near response.](#)
*The near response is composed of cross-coupled interactions between...*17th September, 2009
School of Optometry, University of California, Berkeley, CA 94720-2020,- Optom Vis Sci. 2009 Jul;86(7):E788-802. ([DOI Direct Link](#))
 - [Risk of Refractive Pathology After Spontaneously Regressed ROP in Emmetropic Patients.](#)
*PURPOSE: To evaluate the development of refractive error abnormalities...*18th August, 2009
- J Pediatr Ophthalmol Strabismus. 2009 Aug 10:1-4. doi: ([DOI Direct Link](#))
 - [Phakic anterior chamber intraocular lens \(Verisyse\) implantation in children for treatment of severe anisometropia myopia and amblyopia: Six-month pilot clinical trial and review of literature.](#)
*PURPOSE: The current study aims to evaluate both safety and efficacy of...*12th August, 2009
The Permanente Medical Group, Santa Clara, CA, USA;- Clin Ophthalmol. 2009;3:367-71. Epub 2009 Jun 29.
 - [Prevalence and risk factors for refractive errors in the South Indian adult population: The Andhra Pradesh Eye disease study.](#)
*AIM: To report the prevalence, risk factors and associated population...*12th August, 2009
L V Prasad Eye Institute, Banjara Hills, Hyderabad, India;- Clin Ophthalmol. 2009;3:17-27. Epub 2009 Jun 2.
 - [Pupillography of automated swinging flashlight test in amblyopia.](#)
*Relative afferent pupillary defects (RAPDs) in amblyopia have been...*12th August, 2009
Department of Ophthalmology.- Clin Ophthalmol. 2008 Dec;2(4):781-6.
 - [Evaluation of central, steady, maintained fixation grading for predicting inter-eye visual acuity difference to diagnose and treat amblyopia in strabismic patients.](#)
*BACKGROUND: Diagnosis of amblyopia in preverbal strabismic patients is...*4th July, 2009
Aditya Jyot Eye Hospital Wadala, Mumbai and Jyotirmay Eye Clinic and- Indian J Ophthalmol. 2009 Jul-Aug;57(4):281-4. ([DOI Direct Link](#))

BioNews Results for Anisometropia

- [AAO: Mixed Results for Pediatric Eye Surgery](#)
MedPage Today: Oct 29 2009 3:41PM Matching: anisometropia
- [Long-Term Data Show LASIK Is Safe, Effective in Children: Presented at AAO-PAAO](#)
Doctors Guide: Oct 28 2009 2:47AM Matching: anisometropia
- [Anisometropia in Hispanic and African American Infants and Young Children: The Multi-Ethnic Pediatric Eye Disease Study](#)
MDLinx: Oct 22 2009 12:23PM Matching: anisometropia

Anisometropia Clinical Trials:



- [Ten-Year Follow-up of Laser in Situ Keratomileusis in Patients 8 to 15 Years Old](#)

Anisometropia Patents:



- 4953969- [Device for correcting ocular refraction anomalies](#)
- 5766245- [Intraocular lens for correcting moderate to severe hypermetropia](#)
- 5769890- [Placement of second artificial lens in eye, to correct for optical defects of first artificial lens in eye](#)
- 5843188- [Accommodative lens implantation](#)
- 5900921- [Lens for diplopia and amblyopia and glasses using the same](#)
- 6007747- [Method of making an aspheric soft lens](#)
- 6096078- [Accommodative lens implantation](#)
- 6218423- [Pyrrolidine derivatives for vision and memory disorders](#)
- 6325765- [Methods for analyzing eye](#)
- 6333340- [Small molecule sulfonamides for vision and memory disorders](#)
- 6335348- [Nitrogen-containing linear and azepinyl/ compositions and uses for vision and memory disorders](#)
- 5610671- [Ophthalmic apparatus](#)
- 5543866- [Scanning laser ophthalmoscope for binocular imaging and functional testing](#)
- 5502520- [Method and apparatus for detecting eye disorders](#)
- 4989968- [Photostereoscopic camera system](#)
- 5002384- [Methods and apparatus for monitoring and training eye position](#)
- 5019099- [Intraocular multifocal lens method for correcting the aphakic eye](#)
- 5074875- [Intraocular-external lens combination system and method of using same](#)
- 5074877- [Intraocular multifocal lens](#)
- 5180389- [Intraocular-external lens combination system and method of using same](#)
- 5236452- [Intraocular multifocal lens](#)
- 5239321- [Eyelash supported correcting lens](#)
- 5326348- [Intraocular multifocal lens](#)
- 5444503- [Spectacle lens](#)
- 6337340- [Carboxylic acids and isosteres of heterocyclic ring compounds having multiple heteroatoms for vision and memory disorders](#)
- 6339101- [N-linked sulfonamides of N-heterocyclic carboxylic acids or isosteres for vision and memory disorders](#)
- 7033025- [Interactive occlusion system](#)
- 7033026- [Method of and apparatus for diagnosing and treating amblyopic conditions in the human visual system](#)

- 7110582- [Method for determining binocular balance and disorders of binocularity of an individual or clinical groups of individuals](#)
- 7192444- [Aspheric soft lens](#)
- 7232667- [Keratinocyte growth factor-2 polynucleotides](#)
- 7265150- [Carboxylic acids and carboxylic acid isosteres of N-heterocyclic compounds for vision and memory disorders](#)
- 7338976- [Heterocyclic esters or amides for vision and memory disorders](#)
- 7347546- [Individual single-vision spectacle lens](#)
- 7410995- [N-linked sulfonamide of heterocyclic thioesters for vision and memory disorders](#)
- 7427135- [Adaptive photoscreening system](#)
- 6913620- [Intraocular lens implant with mirror](#)
- 6902577- [Intraocular lens implant with mirror](#)
- 6797003- [Aspheric soft lens](#)
- 6376517- [Pipelic acid derivatives for vision and memory disorders](#)
- 6384056- [Heterocyclic thioesters or ketones for vision and memory disorders](#)
- 6395758- [Small molecule carbamates or ureas for vision and memory disorders](#)
- 6399648- [N-oxides of heterocyclic ester, amide, thioester, or ketone for vision and memory disorders](#)
- 6506788- [N-linked urea or carbamate of heterocyclic thioesters for vision and memory disorders](#)
- 6523954- [System and method for eye screening](#)
- 6685316- [Method of manufacturing progressive ophthalmic lenses](#)
- 6693077- [Keratinocyte growth factor-2](#)
- 6752499- [Myopia progression control using bifocal contact lenses](#)
- 6789544- [Modified penetrating keratoplasty method](#)
- 7506983- [Method of optical treatment](#)

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