

# Orthoptics

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Orthoptics is the discipline dealing with the diagnosis and treatment of defective eye coordination, binocular vision, and functional amblyopia by non-pharmaceutical and non-surgical methods, e.g., glasses, prisms, exercises. The goal of orthoptics is to improve comfort and efficiency of binocular function. ( [From the Wikipedia article Orthoptics](#) .)

## Recent Publications on Orthoptics:



- [Repeatability and reproducibility of corneal curvature measurements using the Pentacam and Keratron topography systems.](#)  
*PURPOSE:* To compare the repeatability and reproducibility of corneal...5th November, 2009  
Department of Orthoptics and Visual Science, Kitasato University School of- J Refract Surg. 2009 Jun;25(6):539-44.
- [Reading ability with pseudophakic monovision and with refractive multifocal intraocular lenses: comparative study.](#)  
*PURPOSE:* To the compare the reading ability after bilateral cataract...24th October, 2009  
Department of Rehabilitation, Orthoptics and Visual Science Course, School- J Cataract Refract Surg. 2009 Sep;35(9):1501-4. ([DOI Direct Link](#))
- [Poor postural stability in children with vertigo and vergence abnormalities.](#)  
*PURPOSE:* An earlier study suggested that deficits of vergence can...3rd October, 2009  
IRIS, FRE 3154, CNRS (Centre National de la Recherche Scientifique), Pole- Invest Ophthalmol Vis Sci. 2009 Oct;50(10):4678-84. Epub 2009 May 6. ([DOI Direct Link](#))
- [Response to editorial about the convergence insufficiency treatment trial.](#)  
*BACKGROUND:* Because of advances in technology, the number of orthopedic...29th September, 2009  
- Arch Ophthalmol. 2009 Sep;127(9):1229-30; author reply 1230-1. ([DOI Direct Link](#))
- [\[Therapeutic schedule in amblyopia--experience of Eye Clinic Cluj\]](#)  
*THE PURPOSE:* To establish a protocol for the treatment of amblyopia and...23rd September, 2009  
- Oftalmologia. 2009;53(2):81-7.
- [Decompensating esophoria as the presenting feature of myasthenia gravis.](#)  
*Myasthenia gravis is a disease in which antibodies directed at nicotinic...*22nd September, 2009  
Department of Orthoptics, Royal Hallamshire Hospital, Sheffield, United- J AAPOS. 2009 Jun;13(3):310-1. Epub 2009 Apr 22. ([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](#))

- [Trends in the usage of the synonymous terms 'pseudoexfoliation' and 'exfoliation' in the ophthalmological literature.](#)  
*BACKGROUND: Because of advances in technology, the number of orthopedic...*27th August, 2009  
Division of Orthoptics and Visual Science, Aichi Shukutoku University,- Acta Ophthalmol. 2009 Aug 25. ([DOI Direct Link](#))
- [Optical performance in rezoom and array multifocal intraocular lenses in vitro.](#)  
*PURPOSE: To investigate the modulation transfer function (MTF) of two...*14th July, 2009  
Department of Orthoptics and Visual Science, Kitasato University School of- J Refract Surg. 2009 May;25(5):467-9.
- [Assessment of visual performance in pseudophakic monovision.](#)  
*PURPOSE: To assess the visual performance and acceptability of...*26th June, 2009  
Department of Rehabilitation, Orthoptics and Visual Science Course, School- J Cataract Refract Surg. 2009 Apr;35(4):710-4. ([DOI Direct Link](#))
- [Botulinum toxin for the treatment of strabismus.](#)  
*BACKGROUND: The use of botulinum toxin as an investigative and treatment...*24th June, 2009  
Directorate of Orthoptics and Vision Science, University of Liverpool,- Cochrane Database Syst Rev. 2009 Apr 15;(2):CD006499. ([DOI Direct Link](#))
- [The profile of strabismus in stroke survivors.](#)  
*Aim To evaluate the profile of strabismus that occurs in stroke survivors...*13th June, 2009  
[1] Directorate of Orthoptics and Vision Science, University of Liverpool,- Eye. 2009 Jun 12. ([DOI Direct Link](#))
- [A comparative analysis of monocular excursion measures.](#)  
*PURPOSE: The range of monocular excursions can be determined by several...*16th May, 2009  
Department of Ophthalmology and Orthoptics, North Cheshire Hospitals NHS- Strabismus. 2009 Jan-Mar;17(1):29-32. ([DOI Direct Link](#))
- [Visual perceptual consequences of stroke.](#)  
*PURPOSE: Perceptual consequences of stroke include agnosia, alexia,...*16th May, 2009  
Directorate of Orthoptics and Vision Science, University of Liverpool,- Strabismus. 2009 Jan-Mar;17(1):24-8. ([DOI Direct Link](#))

## Orthoptics Patents:



- 5825458- [Personal binocular trainer](#)
- 5363154- [Vision training method and apparatus](#)
- 4698564- [Spinning optics device](#)
- 4625290- [Apparatus and method for producing a three-dimensional display on a video display device](#)
- 4522474- [Spinning optics device](#)
- 4521074- [Binocular presentation of visual information](#)
- 4459292- [Therapeutic compositions for the treatment of accommodation problems of the eye and method of using inosine monophosphate](#)

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