

Ocular higher-order aberrations in a school children ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4401828>

Oct 05, 2014 · The primary objective of the study was to explore the statistics of ocular higher-order aberrations in a population of primary and secondary school children. Methods A sample of 557 children aged 10–15 years were selected from two primary and two secondary schools in ...

Cited by: 6 Author: George Papamastorakis, Sophia Panago...

Publish Year: 2015

Correlation of higher order aberrations and components of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4992119>

Jun 20, 2016 · To evaluate the correlation between refractive, corneal, and residual astigmatism and higher order aberrations (HOA) in refractive surgery candidates. Methods Three hundred and seventy-five eyes of 188 patients aged 28.2 ± 6.24 years with a predominance of females (62.7%) were enrolled in ...

Cited by: 5 Author: Mehrdad Mohammadpour, Zahra Heidari, ...

Publish Year: 2016

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Aug 11, 2017 · The change (myopia progression) was -1.60 ± 1.04 D. Over the same period, axial length increased significantly from 24.58 ± 0.73 to 25.35 ± 0.82 mm ($P < 0.0001$). The increase (axial elongation) was 0.77 ± 0.40 mm. Myopia progression and axial elongation were analyzed in ...

Cited by: 21 Author: Takahiro Hiraoka, Junko Kotsuka, Tetsuhi...

Publish Year: 2017

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Relationship between higher-order wavefront aberrations ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5554292>

Aug 11, 2017 - Introduction. Myopia is one of the leading causes of vision impairment worldwide. The prevalence of myopia has risen steeply over the past 50 years especially in developed countries in east and southeast Asia, such as China, Taiwan, Hong Kong, South Korea, Japan, and Singapore 1 – 3. An increased prevalence of myopia has also been confirmed in the United States 4.

Cited by: 23 Author: Takahiro Hiraoka, Junko Kotsuka, Tetsuhi...
Publish Year: 2017

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Retrospective Study
Analysis of ocular structural parameters and higher-order aberrations in Chinese children with myopia

Li X *et al.* Ocular structural parameters and higher-order aberrations in myopia children

Xue Li, Qi Hu, Qian-Ru Wang, Zi-Qing Feng, Fan Yang, Chun-Yu Du

Abstract
BACKGROUND

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Author: George Papamastorakis, Sophia Panago...

Publish Year: 2015

Comparison of higher order aberrations in amblyopic and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6611289>

To compare the ocular higher order aberrations (HOAs) for the physiologic pupil size in amblyopic and non-amblyopic eyes of patients with anisometropic amblyopia in pediatric age group.Children between 5 and 15 years age having treatment naïve ...

Author: Abhishek Hoshing, Monica Samant, S...

Publish Year: 2019

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Apr 30, 2018 - This retrospective longitudinal analysis aimed to investigate the association between ocular higher-order aberrations (HOAs) and axial eye growth in Hong Kong children. Measures of axial length and ocular HOAs under cycloplegia were obtained annually over a two-year period from 137 subjects aged 8.8 ± 1.4 years with mean spherical equivalent ...

Cited by: 19

Author: Jason K. Lau, Stephen J. Vincent, Micha...

Publish Year: 2018