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Научные работы

ЗАГРУЗКА:

On the wavefront aberrations of the human eye and the search for their origins

2011
Article

- Rozema Jos, Trau René, Verbruggen Kristien H.M., Tassignon Marie-José.- Backscattered light from the cornea before and after LASEK for myopia / Journal of cataract and refractive surgery - ISSN 0886-3350 - 37:9(2011), p. 1648-1654

- Bal Tina, Coeckelbergh Tanja, van Looveren Jan, Rozema Jos, Tassignon Marie-José.- Influence of cataract morphology on straylight and contrast sensitivity and its relevance to fitness to drive / Ophthalmologica - ISSN 0030-3755 - 225:2(2011), p. 105-111

Book chapter

- Tassignon Marie-José, Gobin Laure, Rozema Jos.- Toric bag-in-the-lens (BIL) implantation : why and how to implant? / Pediatric ophthalmic surgery / Ashok, Garg [edit.]; et al. - ISBN 9789350251485 - S.l., Jaypee, 2011

2010
Article

- Werner Liliana, Tassignon Marie-José, Zaugg B.E., de Groot Veva, Rozema Jos.- Clinical and histopathological evaluation of 6 human eyes implanted with the bag-in-the-lens / Ophthalmology - ISSN 0161-6420 - 117:1(2010), p. 55-62

- Rozema Jos, Tassignon Marie-José.- Comparison of various spherical aberration compensation methods in pseudophakic eyes / Bulletin van het Belgisch Oftalmologisch Gezelschap / Belgisch Oftalmologisch Gezelschap - ISSN 0081-0746 - 3:316(2010), p. 7-15

- Rozema Jos, van den Berg Thomas J.T.P., Tassignon Marie-José.- Retinal straylight as a function of age and ocular biometry in healthy eyes / Investigative ophthalmology and visual science - ISSN 0146-0404 - 51:5(2010), p. 2795-2799

- Rozema Jos, Coeckelbergh Tanja, van den Berg Thoams J.T.P., Trau Rene, Duchateau Nathalie C., Lemmens Sofie, Tassignon Marie-José.- Straylight before and after LASEK in myopia: changes in retinal straylight / Investigative ophthalmology and visual science - ISSN 0146-0404 - 51:5(2010), p. 2800-2804

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- Werner Liliana, Tassignon Marie-José, Gobin Laure, Rozema Jos, Davis Don, Brubaker Jacob.- Bag-in-the-lens : first pathological analysis of a human eye obtained postmortem /

Journal of cataract and refractive surgery - ISSN 0886-3350 - 34:12(2009), p. 2163-2165

- Rozema Jos, Gobin Laure, Verbruggen Kristien, Tassignon Marie-José.- Changes in rotation after implantation of a bag-in-the-lens intraocular lens / Journal of cataract and refractive surgery - ISSN 0886-3350 - 35:8(2009), p. 1385-1388

- Rozema Jos, Koppen Carina, de Groot Veva, Tassignon Marie-José.- Influence of neodymium : YAG laser capsulotomy on ocular wavefront aberrations in pseudophakic eyes with hydrophilic and hydrophobic intraocular lenses / Journal of cataract and refractive surgery - ISSN 0886-3350 - 35:11(2009), p. 1906-1910

- Rozema Jos, Koppen Carina, de Groot Veva, Tassignon Marie-José.- Influence of neodymium:YAG laser capsulotomy on ocular wavefront aberrations in pseudophakic eyes with hydrophilic and hydrophobic intraocular lenses / Journal of cataract and refractive surgery - ISSN 0886-3350 - 35:11(2009), p. 1906-1910

Book chapter

- Gobin Laure, Rozema Jos, Tassignon Marie-José.- Cataract surgery : calculating ther IOL power in case of anisometropia / Mastering the techniques of IOL power calculations / Ashok, Garg[edit.]; et al. - ISBN 9788184483802 - 2 ed., S.l., Jaypee, 2009

- Gobin Laure, Rozema Jos, Tassignon Marie-José.- Review of IOL power calculation : a theoretical analysis of proposed formulas / Mastering the techniques of IOL power calculations / Ashok, Garg [edit.]; et al. - ISBN 9788184483802 - 2 ed., S.l., Jaypee, 2009

2008
Article

- Gobin Laure, Rozema Jos, Tassignon Marie-José.- Predicting refractive aniseikonia after cataract surgery in anisometropia / Journal of cataract and refractive surgery - ISSN 0886-3350 - 34:8(2008), p. 1353-1361

2007
Article

- Verbruggen Kristien, Rozema Jos, Gobin Laure.- Intraocular lens centration and visual outcomes after bag-in-the lens implantation / Journal of cataract and refractive surgery - ISSN 0886-3350 - 33:7(2007), p. 1267-1272

2006

Article

- Rozema Jos, van Dyck Dirk, Tassignon Marie-José.- Clinical comparison of 6 aberrometers; part 2: statistical comparison in a test group / Journal of cataract and refractive surgery - ISSN 0886-3350 - 32:1(2006), p. 33-44

- Tassignon Marie-José, Rozema Jos, Gobin Laure.- Ring-shaped caliper for better anterior capsulorhexis sizing and centration / Journal of cataract and refractive surgery - ISSN 0886-3350 - 32:8(2006), p. 1253-1255

Book chapter

- Tassignon Marie-José, Rozema Jos, van de Velde Frans.- Disorders of the vitroretinal interface : microperimetry as a parameter of quality of vision in macular surgery / Perimetry and the fundus : an introduction to microperimetry / Midena, Edoardo [edit.] - ISBN 9781556427756 - S.l., Slack Incorporated, 2006

2005
Article

- Rozema Jos, van Dyck Dirk, Tassignon Marie-José.- _Clinical comparison of 6 aberrometers; part 1: technical specifications / Journal of cataract and refractive surgery - ISSN 0886-3350 - 31:6(2005), p. 1114-1127

2003
Conference proceeding

- Rozema Jos, van Dyck Dirk, van de Velde Frans.- Laminographical phase reconstruction of anterior segment of the human eye using off-axis wave-front data / Investigative ophthalmology and visual science - ISSN 0146-0404 - 44(2003), p. 4082

1998
Conference proceeding

- Hulsman Herman, Rozema Jos.- Nonequilibrium distributions of rotational energies in a free-jet / Rarefied gas dynamics: proceedings of the 21st International Symposium: vol. 3 / Campargue, R. [edit.] - Marseille, 1998, p. MB4-63

Project Gullstrand

Project Gullstrand - European Project for the Determination of Average Biometric Values of Human Eyes

Purpose

The purpose of this study is to determine the average values of human ocular biometry and to correlate these values with visual function.

Further study details as provided by European Vision Institute Clinical Research Network:

Primary Outcome Measures:

- To obtain a predetermined number of valid ocular biometry measurements per participating site [Time Frame: 19 months] [Designated as safety issue: No]

The test that will be performed are the eye dominance, uncorrected and corrected distance visual acuity (UDVA and CDVA), (accommodation, ocular refraction (automatic refraction), spectacle refraction, axial length (optical, ultrasound), anterior segment biometry (anterior chamber depth), corneal topography (keratometry), contrast sensitivity (Pelli-Robson/ Sine Wave Contrast Test (SWCT), pupil size (gauge)), intraocular pressure, the VFQ-25 questionnaire and some demographic data (age, gender, ethnicity, eye color, highest education).

- To obtain a predetermined number of valid visual function measurements per participating site [Time Frame: 19 months] [Designated as safety issue: No]

The tests that will be performed are the eye dominance, accommodation, uncorrected and spectacle corrected visual acuity (UCVA and SCVA), ocular refraction (automatic refraction), spectacle refraction, axial length (optical, ultrasound), anterior segment biometry (anterior chamber depth), corneal topography (keratometry), contrast sensitivity (Pelli-Robson/ Sine Wave Contrast Test (SWCT)), intraocular pressure, the VFQ-25 questionnaire and some demographic data (age, gender, ethnicity, eye color, highest education).

Secondary Outcome Measures:

- Provide a reference database for research purposes [Time Frame: 19 Months] [Designated as safety issue: No]

Protocol foresees in inclusion optional tests:straylight measurement (using Oculus C-Quant,pupillometry,distance-corrected intermediate and near visual acuity(DCIVA and DCNVA,crystalline lens thickness,aberrometry,ORA measurements (IOPcc,IOPG,CRF,CH parameters.These tests may be added by the individual sites depending of the availability of equipment.A number of secondary parameters can also be derived from primary parameters using calculations (e.g.crystalline lens power, estimated aniseikonia,etc) or by analysis of the raw data of computer based tests.

Ссылки:

http://www.clinicaltrials.gov/ct2/show/study/NCT01173614?view=record

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