

Wetenschappelijke output 2008

Dissertaties

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Copromotores: Dr. J.S.A.G. Schouten; Dr. C.A.B. Webers
Primary open-angle glaucoma and ocular hypertension
Cost-effectiveness of early detection and treatment
Andrea Peeters

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Optical Biopsy in the Anterior Segment of the Eye

Kamran Hoseini

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Wetenschappelijke publicatie in internationaal tijdschrift vermeld in SCI of SSCI (wi-1)

1. Bauer NJ, de Vries NE, Webers CA, Hendrikse F, Nuijts RM. Astigmatism management in cataract surgery with the AcrySof toric intraocular lens. *J Cataract Refract Surg.* 2008;34(9):1483-8.
2. H.J.M. Beckers, J.S.A.G. Schouten, C.A.B. Webers, R. van der Valk en F. Hendrikse. Side effects of commonly used glaucoma medication: Comparison of tolerability, chance of discontinuation and patient satisfaction. *Graefe's Arch Clin Exp Ophthalmol* 2008;246(10):1485-90.
3. Bootsma HP, Ricker L, Diepman L, Gehring J, Hulsman J, Lambrechts D, et al. Long-term effects of levetiracetam and topiramate in clinical practice: a head-to-head comparison. *Seizure* 2008;17(1):19-26.
4. Chen, L., Yang, P.Z., Zhou, H.Y., He, H., Ren, X.R., Chi, W., Wang, L., Kijlstra, A. Diminished frequency and function of CD4(+) CD25(high) regulatory T cells associated with active uveitis in Vogt-Koyanagi-Harada syndrome. *Investigative Ophthalmology & Visual Science* 2008;49:3475-82.
5. Cheng YY, Tahzib NG, van Rij G, van Cleynenbreugel H, Pels E, Hendrikse F, Nuijts R. Femtosecond laser-assisted inverted mushroom keratoplasty. *Cornea.* 2008;Jul;27(6):679-85.
6. Cheng YY, Hendrikse F, Pels E, Wijdh RJ, van Cleynenbreugel H, Eggink CA, van Rij G, Rijnveld WJ, Nuijts RM. Preliminary results of femtosecond laser-assisted descemet stripping endothelial keratoplasty. *Arch Ophthalmol.* 2008;Oct;126(10):1351-6.
7. Chi, W., Zhu, X.F., Yang, P.Z., Liu, X.L., Lin, X.M., Zhou, H.Y., Huang, X.K., Kijlstra, A. Upregulated IL-23 and IL-17 in Behcet patients with active uveitis. *Investigative Ophthalmology & Visual Science* 2008;49:3058-64.

8. Diederens, R.M.H., La Heij, E.C., Lemmens, M.A.M., Kijlstra, A., de Vente, J., Hendrikse, F. Cyclic GMP in the pig vitreous and retina after experimental retinal detachment. *Molecular Vision* 2008;14:255-61.
9. Diederens RM, La Heij EC, Markerink-van Ittersum M, Hendrikse F, de Vente J. Two autocrine pathways to regulate cyclic GMP synthesis in cultured human retinalpigment epithelial cells. *Ophthalmic Res.* 2008;40(5):227-34.
10. Doors, M., Cals, D.W., Berendschot, T.T., de Brabander, J., Hendrikse, F., Webers, C.A., Nuijts, R.M.M.A.: Influence of anterior chamber morphometrics on endothelial cell changes after phakic intraocular lens implantation. *J Cataract Refract Surg.* 2008;34(12):2110-8.
11. Du, L.P., Yang, P.Z., Hou, S.P., Lin, X.M., Zhou, H.Y., Huang, X.K., Wang, L., Kijlstra, A. Association of the CTLA-4 gene with Vogt-Koyanagi-Harada syndrome. *Clinical Immunology* 2008;127:43-8.
12. Fang, W., Zhou, H., Yang, P., Huang, X., Wang, L., Kijlstra, A. Longitudinal quantification of aqueous flare and cells in Vogt-Koyanagi-Harada disease. *British Journal of Ophthalmology* 2008;92:182-5.
13. Goezinne F; La Heij EC; Berendschot TTJM; Tahzib NG; Koetsier LS; Hoevenaars JGMM; Liem ATA; Kijlstra A; Webers CAB; Hendrikse F. Patient Ignorance is the Main Reason for Treatment Delay in Primary Rhegmatogenous Retinal Detachment in the Netherlands. *Eye.* 2008;Sep;12:1-7.
14. Goezinne F, LA Heij EC, Berendschot TT, Gast ST, Liem AT, Lundqvist IL, Hendrikse F. Low redetachment rate due to encircling scleral buckle in giant retinal tears treated with vitrectomy and silicone oil. *Retina.* 2008;Mar;28(3):485-92.
15. He, H., Yang, P., Jiang, L., Zhang, J., Zhao, C., Chen, L., Lin, X., Zhou, H., Kijlstra, A. Upregulation of CD94 on CD8(+)T Cells in Anterior Chamber-Associated Immune Deviation. *Bmc Immunology* 2008;25;9:53.
16. H.M. Helb, P.C. Issa, R. van der Veen, T.T.J.M. Berendschot, H.P.N. Scholl & F.H. Holz. Abnormal macular pigment distribution in type 2 Macular Telangiectasia. *Retina* 2008;28:808-16.
17. Hoevenaars JGMM, Schouten JSAG, van den Borne B, Beckers HJM, Webers CAB. Will improvement of knowledge lead to improvement of compliance with glaucoma medication? *Acta Ophthalmol* 2008;86:849-55.
18. Hou, S.P., Yang, P.Z., Du, L.P., Zhou, H.Y., Lin, X.M., Liu, X.L., Kijlstra, A. SUMO4 gene polymorphisms in Chinese Han patients with Behcet's disease. *Clinical Immunology* 2008;129:170-75.
19. P.C. Issa, T.T.J.M. Berendschot, F.H. Holz, G. Staurenghi & H.P.N. Scholl. Confocal blue-reflectance imaging in type 2 idiopathic macular telangiectasia. *Invest. Ophthalmol. Vis. Sc.* 2008;49:1172-77.
20. M.J. Kanis, R. P.L. Wisse, T.T.J.M. Berendschot, J. van de Kraats & D. van Norren. Foveal cone-photoreceptor integrity in aging macula disorder. *Invest. Ophthalmol. Vis. Sc.* 2008;49:2077-81.

21. Kijlstra, A., Jongert, E. Control of the risk of human toxoplasmosis transmitted by meat. *International Journal for Parasitology* 2008;38:1359-70.
22. Linssen CFM, Jacobs JA, Schouten JSAG, van Mook WNKA, Ramsay G, Drent M. Influence of antibiotic therapy on the cytological diagnosis of ventilator-associated pneumonia. *Intensive Care Med* 2008;34:865-72.
23. Mao, L.M., Dong, H.T., Yang, P.Z., Zhou, H.Y., Huang, X.K., Lin, X.M., Kijlstra, A. MALDI-TOF/TOF-MS reveals elevated serum haptoglobin and amyloid A in Behcet's disease. *Journal of Proteome Research* 2008;7:4500-07.
24. Nuijts, R.M.M.A. Femtosecond benefits in corneal procedures. January consultation # 4. *J Cataract Refract Surg.* 2008;Jan;34(1):15.
25. Peeters A, Schouten JSAG, Webers CAB, Prins MH, Hendrikse F, Severens JL. Cost-effectiveness of early detection and treatment of ocular hypertension and primary open-angle glaucoma by the ophthalmologist. *Eye* 2008;22:354-62.
26. I.V. Sasim, T.T.J.M. Berendschot, C. van Isterdael & M.P. Mourits. Planning health care for patients with Graves' orbitopathy. *Graefes Arch.Clin.Exp.Ophthalmol.* 2008;246:1315-13.
27. Smits KM, Smits LJM, Peeters F, Schouten JSAG, Janssen RGJH, Smeets HJM, van Os J, Prins MH. The influence of 5-HTTLPR and STin2 polymorphisms in the serotonin transporter gene on treatment effect of selective serotonin reuptake inhibitors in depressive patients. *Psychiatr Genet* 2008;18:184-90.
28. Tahzib NG, MacRae SM, Yoon G, Berendschot TT, Eggink FA, Hendrikse F, Nuijts RM. Higher-order aberrations after implantation of iris-fixated rigid or foldable phakic intraocular lenses. *J Cataract Refract Surg.* 2008;Nov;34(11):1913-20.
29. T. Theelen, T.T.J.M. Berendschot, C.J. Boon, C.B. Hoyng & B.J. Klevering. Analysis of visual pigment by fundus autofluorescence. *Exp. Eye Res.* 2008;86:296-304.
30. van der Valk R, Webers CAB, Hendrikse F, de Vogel SC, Prins MH, Schouten JSAG. Predicting intraocular pressure change before initiating therapy: timolol versus latanoprost. *Acta Ophthalmologica Scandinavica* 2008;86:415-8.
31. De Vries NE, Tahzib NG, Webers CA, Hendrikse F, Nuijts RM. Use of Verisyse/Artisan phakic intraocular lens for the reduction of myopia in a patient with pellucid marginal degeneration. *Cornea.* 2008;27(2):241-5.
32. De Vries NE, Franssen L, Webers CA, Tahzib NG, Cheng YY, Hendrikse F, Tjia KF, van den Berg TJ, Nuijts RM. Intraocular straylight after implantation of the multifocal AcrySof ReSTOR SA60D3 diffractive intraocular lens. *J Cataract Refract Surg.* 2008;34(6):957-62.
33. De Vries NE, Webers CA, Montés-Micó R, Tahzib NG, Cheng YY, de Brabander J, Hendrikse F, Nuijts RM. Long-term follow-up of a multifocal apodized diffractive intraocular lens after cataract surgery. *J Cataract Refract Surg.* 2008;34(9):1476-82.
34. De Vries, N.E., Webers, C.A., Tahzib, N.G., Hendrikse, F., and Nuijts, R.M.M.A.: Irregular astigmatism after cataract surgery resulting from inadequate clear corneal incision formation. *Cornea* 2008;27(10):1176-8.

35. Webers CA, Beckers HJ, Nuijts RM, Schouten JS. Pharmacological management of primary open-angle glaucoma: second-line options and beyond. *Drugs Aging*. 2008;25(9):729-59. Review.
36. Van der Worp Eef, De Brabander John, Swarbrick Helen, Hendrikse Fred. Eyeblink Frequency an Type in Relation to 3- and 9-O'clock Staining and Gas Permeable Contact Lens Variables. *Optom Vis Sci* 2008;85(9):857-66.
37. Yang, P.Z., Fang, W., Meng, Q.L., Ren, Y.L., Xing, L., Kijlstra, A. Clinical features of Chinese patients with Behcet's disease. *Ophthalmology* 2008;115:312-8.
38. Yang, P.Z., Fang, W., Wang, L., Wen, F., Wu, W.J., Kijlstra, A. Study of Macular Function by Multifocal Electroretinography in Patients With Vogt-Koyanagi-Harada Syndrome. *American Journal of Ophthalmology* 2008;146:767-71.
39. Zhao, C.L., Yang, P.Z., He, H., Lin, X.M., Li, B., Zhou, H.Y., Huang, X.K., Kijlstra, A. S-antigen specific T helper type 1 response is present in Behcet's disease. *Molecular Vision* 2008;14:1456-64.

Wetenschappelijke publicatie in internationaal tijdschrift (wi-2)

1. Nuijts, R.M.M.A. Modern techniques can significantly reduce endothelial cell loss after cataract surgery. *Eurotimes* 2008;13 (1):10-1.
2. Nuijts, R.M.M.A. Endothelial damage preventable in cataract surgery. *Ocular Surgery News*, January 2008, <http://www.osnsupersite.com/view.asp?rID=25561>.
3. Nuijts, R.M.M.A. Minimizing endothelial damage. *Cataract & Refractive Surgery Today* 2008;3(2):78-80. http://www.crstodayeurope.com/Issues/0308/crste0308_22.pdf.
4. Nuijts, R.M.M.A. Manual/Automated keratometry and corneal topography for toric IOL calculation. *Ophthalmology Times Europe* 2008;Nov:6-8.

Letters to the editor (le)

E C. La Heij, A G.H. Kessels, R M.H. Diederer, Fleur Goezinne, A T.A. Liem, A Kijlstra, F Hendrikse. Timing of detachment surgery. *Ophthalmology*. 2008;115(3):586-7; author reply 587-8.

Wetenschappelijke publicatie in nationaal tijdschrift (wn)

Van der Worp E, De Brabander J. 3- en 9 uur staining: time to deal with it. *Visus* 2008;4:4-15.

Boekbijdragen

1. Nuijts R.M.M.A. Artisan toric lens implantation for correction of postkeratoplasty astigmatism. In J. Tombran-Tink, C.J. Barnstable and J.F. Rizzo III. Visual prosthetics and ophthalmic devices: New hope in sight. Humana Press, 2008;chapter 15:pp 221-237. ISBN 978-1-934115-16-9.
2. Nuijts R.M.M.A. Predicting the unhappy patient and managing patients' expectations. In Management of complications in refractive surgery. Editors: J.L. Alió, Dimitri Azar. Springer-Verlag, 2008;chapter 18:pp 315-319. ISBN 978-3-540-37583-8.
3. A.Kijlstra, E.C. La Heij, F. Goezinne and F. Hendrikse. In G.H. Kriegstein, R.N. Weinreb. Essentials in Ophthalmology. Chapter "Age-related macular degeneration: Immunological factors in the pathogenesis and therapeutic consequences". Springer-Verlag, 2008.
4. Van der Worp E, De Brabander J, Jongsma F. Corneal Topography, In: Bennet ES, Henry VA, eds. Clinical Manual of Contact Lenses, 3rd ed. Philadelphia: Lippincott Williams & Wilkins, 2008;chapter 3:pp48-78. ISBN 978-0-7817-7817-7829-9.

Congrespapers

1. Nuijts, R.M.M.A.: Astigmatism Management in Cataract Surgery with the Acrysof Toric Intraocular Lens (IOL). Kongress der DGII, Potsdam, 2008. Klin Monatsbl Augenheilkd 2008; 225: Suppl 1, S1–S24. <http://www.dgii.org/2008/93.html?highlight=nuijts>
2. Cheng, Y.Y.Y., Nuijts, R.M.M.A., Hendrikse, F., and the Dutch Lamellar Corneal Transplantation Study (DLCTS) group. Visual outcomes and patient satisfaction in a Randomized Trial of Femtosecond Laser Descemet Stripping Endothelial Keratoplasty (FS-DSEK) and Penetrating Keratoplasty (PK). World Ophthalmology Congress (WOC), 2008. Clin Experimental Ophthalmol Suppl 1: A10, 2008.
3. Cheng, Y.Y.Y., Nuijts, R.M.M.A., Hendrikse, F., and the Dutch Lamellar Corneal Transplantation Study (DLCTS) group. Quality of vision in a Randomized Trial of Femtosecond Laser Descemet Stripping Endothelial Keratoplasty (FS-DSEK) and Penetrating Keratoplasty (PK). World Ophthalmology Congress (WOC), 2008. Clin Experimental Ophthalmol Suppl 1: A142, 2008.
4. Nuijts, R.M.M.A., and Tahzib, N.G.: Surgical Management of Post-Keratoplasty Astigmatism. Subspecialty Day Cornea of the American Academy of Ophthalmology, Atlanta, 63-65, 2008.

Octrooien (oc)

1. J van de Kraats, D van Norren & TTJM Berendschot. Reflectometry instrument and method for measuring macular pigment. Patent PCT/US2007009636

2. Jongsma FHM, Brabander de J. Device and Method for Performing Measurements of the Chemical Composition of the Anterior Eye. Patent WO 2004/098397 A1.

Vakpublicaties (vp) nationaal en internationaal

1. Tahzib, N.G., and Nuijts, R.M.M.A.: Corneal cross-linking. Congreskrant 202^e Jaarvergadering NOG 2 april 2008, p. 4.
2. Cheng, Y.Y.Y., and Nuijts, R.M.M.A.: FS-DSEK en PKP verbeteren kwaliteit van leven na transplantatie. Congreskrant 202^e Jaarvergadering NOG 2 april 2008, p. 9.
3. Bauer, N.B., and Nuijts, R.M.M.A.: Weg cataract, weg astigmatism. Congreskrant 202^e Jaarvergadering NOG 2 april 2008, p. 10-11.
4. Nuijts, R.M.M.A., and Cheng, Y.Y.Y.: Big-bubble diepe anterieure lamellaire keratoplastiek (DALK). Congreskrant 202^e Jaarvergadering NOG 2 april 2008, p. 2-3.
5. Nuijts, R.M.M.A., and Cheng, Y.Y.Y.: Hoornvliestransplantaties met innovatieve lasertechnieken. Nieuwsbrief Hoornvlies Patiënten Vereniging 3; 2; oktober 2008, p. 3-5.
6. Van Gestel A. "Kwaliteit van leven en glaucoom". Eye Spy Magazine (Alcon) januari 2008.

Rapporten (ra)

1. Van Gestel A. Cost-effectiveness of different strategies for the treatment and monitoring of ocular hypertension and glaucoma. Eindrapportage 09-05-2008, ZonMW project 945-04-451.
2. Van Gestel A. Master's thesis: Visual field and quality-of-life in glaucoma. Afstudeerscriptie 26-06-2008, Master of Public Health – Epidemiology, Maastricht University.