

Wetenschappelijke output 2014

Dissertaties

Doors, M. The value of optical coherence tomography in anterior segment surgery. Maastricht University. 21-2-2014. Promotores: Nuijts, R.M.M.A.; Webers, C.A.B. Co-promotor: Berendschot, T.T.J.M.

Ernest, P.J.G. Visual field progression in patients with open-angle glaucoma. Maastricht University. 12-12-2014. Promotores: Webers, C.A.B.; Prins, M.H. Co-promotores: Schouten, J.S.A.G.; Beckers, H.J.M.

Janssen, S.F. Molecular mechanisms underlying primary open angle glaucoma. Universiteit van Amsterdam. 04-11-2014. Promotores: Bergen, A.A.B.; Jansonius, N.M. Co-promotor: Gorgels, T.G.M.F.

Wetenschappelijke publicatie in internationaal tijdschrift vermeldt in SCI of SSCI

1. Behndig A, Cochener B, Guell JL, Kodjikian L, Mencucci R, Nuijts RMMA, Pleyer U, Rosen P, Szaflik JP, and Tassignon MJ, Reply: To PMID 23988244. J Cataract Refract Surg, 2014;40:688-9
2. Bekkers E, Duits R, Berendschot TTJM, and ter Haar Romeny B, A Multi-Orientation Analysis Approach to Retinal Vessel Tracking. J Math Imaging Vis, 2014;49:583-610
3. Bethlehem RA, Dumoulin SO, Dalmaijer ES, Smit M, Berendschot TTJM, Nijboer TC, and Van der Stigchel S, Decreased fixation stability of the preferred retinal location in juvenile macular degeneration. PLoS One, 2014;9:e100171
4. Brampton C, Aherrahrou Z, Chen LH, Martin L, Bergen AA, Gorgels TGMF, Erdmann J, Schunkert H, Szabo Z, Varadi A, and Le Saux O, The level of hepatic ABCC6 expression determines the severity of calcification after cardiac injury. Am J Pathol, 2014;184:159-70
5. Dabir SS, Das D, Nallathambi J, Mangalesh S, Yadav NK, and Schouten JSAG, Differential systemic gene expression profile in patients with diabetic macular edema: responders versus nonresponders to standard treatment. Indian J Ophthalmol, 2014;62:66-73
6. Dickman MM, van Maris MP, van Marion FW, Schuchard Y, Steijger-Vermaat P, van den Biggelaar FJ, Berendschot TTJM, and Nuijts RMMA, Surface metrology and 3-dimensional confocal profiling of femtosecond laser and mechanically dissected ultrathin endothelial lamellae. Invest Ophthalmol Vis Sci, 2014;55:5183-90
7. Elshout M, van der Reis MI, Webers CAB, and Schouten JSAG, The cost-utility of aflibercept for the treatment of age-related macular degeneration compared to bevacizumab and ranibizumab and the influence of model parameters. Graefes Arch Clin Exp Ophthalmol, 2014;252:1911-20
8. Ernest PJ, Schouten JSAG, Beckers HJM, Hendrikse F, Prins MH, and Webers CAB, Prediction of Glaucomatous Visual Field Progression Using Baseline Clinical Data. J Glaucoma, 2014;
9. Fang J, Hou S, Xiang Q, Qi J, Yu H, Shi Y, Zhou Y, Kijlstra A, and Yang P, Polymorphisms in genetics of vitamin D metabolism confer susceptibility to ocular Behcet disease in a Chinese Han population. Am J Ophthalmol, 2014;157:488-494 e6

10. Genders SW, Mourits DL, Jasem M, Kloos RJ, Saeed P, and Mourits MP, Parallax-free Exophthalmometry: A Comprehensive Review of the Literature on Clinical Exophthalmometry and the Introduction of the First Parallax-Free Exophthalmometer. *Orbit*, 2014;1-7
11. Goezinne F, Nuijts RMMA, Liem AT, Lundqvist IJ, Berendschot TTJM, Cals DW, Hendrikse F, and La Heij EC, Corneal endothelial cell density after vitrectomy with silicone oil for complex retinal detachments. *Retina*, 2014;34:228-36
12. Hou S, Du L, Lei B, Pang CP, Zhang M, Zhuang W, Zhang M, Huang L, Gong B, Wang M, Zhang Q, Hu K, Zhou Q, Qi J, Wang C, Tian Y, Ye Z, Liang L, Yu H, Li H, Zhou Y, Cao Q, Liu Y, Bai L, Liao D, Kijlstra A, Xu J, Yang Z, and Yang P, Genome-wide association analysis of Vogt-Koyanagi-Harada syndrome identifies two new susceptibility loci at 1p31.2 and 10q21.3. *Nat Genet*, 2014;46:1007-11
13. Hou S, Qi J, Liao D, Fang J, Chen L, Kijlstra A, and Yang P, High C4 gene copy numbers protects against Vogt-Koyanagi-Harada syndrome in Chinese Han. *Br J Ophthalmol*, 2014;98:1733-7
14. Huchzermeyer C, Schlomberg J, Welge-Lussen U, Berendschot TTJM, Pokorny J, and Kremers J, Macular pigment optical density measured by heterochromatic modulation photometry. *PLoS One*, 2014;9:e110521
15. Janssen SF, Gorgels TGMF, Ten Brink JB, Jansonius NM, and Bergen AA, Gene expression-based comparison of the human secretory neuroepithelia of the brain choroid plexus and the ocular ciliary body: potential implications for glaucoma. *Fluids Barriers CNS*, 2014;11:2
16. Jellema HM, Merckel-Timmer E, Kloos R, Saeed P, and Mourits MP, Quality of life improves after strabismus surgery in patients with Graves' orbitopathy. *Eur J Endocrinol*, 2014;170:785-9
17. Jellema HM, Saeed P, Braaksma-Besselink Y, Schuit A, Kloos R, and Mourits MP, Unilateral and bilateral medial rectus recession in Graves' Orbitopathy patients. *Strabismus*, 2014;22:182-7
18. Kauffenstein G, Pizard A, Le Corre Y, Vessieres E, Grimaud L, Toutain B, Labat C, Maura Y, Gorgels TGMF, Bergen AA, Le Saux O, Lacolley P, Leftheriotis G, Henrion D, and Martin L, Disseminated arterial calcification and enhanced myogenic response are associated with *abcc6* deficiency in a mouse model of pseudoxanthoma elasticum. *Arterioscler Thromb Vasc Biol*, 2014;34:1045-56
19. Kelly ER, Plat J, Haenen GR, Kijlstra A, and Berendschot TTJM, The effect of modified eggs and an egg-yolk based beverage on serum lutein and zeaxanthin concentrations and macular pigment optical density: results from a randomized trial. *PLoS One*, 2014;9:e92659
20. Kijlstra A and Petersen E, Epidemiology, pathophysiology, and the future of ocular toxoplasmosis. *Ocul Immunol Inflamm*, 2014;22:138-47
21. Kovacs I, Kranitz K, Sandor GL, Knorz MC, Donnerfeld ED, Nuijts RMMA, and Nagy ZZ, The effect of femtosecond laser capsulotomy on the development of posterior capsule opacification. *J Refract Surg*, 2014;30:154-8
22. Li H, Hou S, Du L, Zhou Q, Kijlstra A, and Liu Q, Polymorphisms of TNFAIP3 gene in a Chinese Han population with fuchs heterochromic iridocyclitis. *Ophthalmic Genet*, 2014;35:63-7
23. Li X, Bai L, Fang J, Hou S, Zhou Q, Yu H, Kijlstra A, and Yang P, Genetic variations of IL-12B, IL-12Rbeta1, IL-12Rbeta2 in Behcet's disease and VKH syndrome. *PLoS One*, 2014;9:e98373
24. Qi J, Yang Y, Hou S, Qiao Y, Wang Q, Yu H, Zhang Q, Cai T, Kijlstra A, and Yang P, Increased Notch pathway activation in Behcet's disease. *Rheumatology (Oxford)*, 2014;53:810-20
25. Riemens A, Bromberg J, Touitou V, Sobolewska B, Missotten T, Baarsma S, Hoyng C, Cordero-Coma M, Tomkins-Netzer O, Rozalski A, Tugal-Tutkun I, Guex-Crosier Y, Los LI, Bollemeijer JG,

- Nolan A, Pawade J, Willermain F, Bodaghi B, Ten Dam-van Loon N, Dick A, Zierhut M, Lightman S, Mackensen F, Moulin A, Erckens R, Wensing B, le Hoang P, Lokhorst H, and Rothova A, Treatment Strategies in Primary Vitreoretinal Lymphoma: A 17-Center European Collaborative Study. *JAMA Ophthalmol*, 2014;
26. Riemens A, Missotten T, Baarsma S, Vidovic-Valentincic N, Novac-Andrejic K, Erckens R, Kuijpers R, Lokhorst H, and Rothova A, Diffuse large B-cell lymphoma in immunoprivileged sites: association of vitreoretinal, testicular and central nervous system lymphoma. *Acta Ophthalmol*, 2014;92:e159-60
 27. Romkens HC, Beckers HJM, Frusch M, Berendschot TTJM, de Brabander J, and Webers CAB, Reproducibility of anterior chamber angle analyses with the swept-source optical coherence tomography in young, healthy Caucasians. *Invest Ophthalmol Vis Sci*, 2014;55:3999-4004
 28. Shetty R, Arora V, Jayadev C, Nuijts RMMA, Kumar M, Puttaiah NK, and Kummelil MK, Repeatability and agreement of three Scheimpflug-based imaging systems for measuring anterior segment parameters in keratoconus. *Invest Ophthalmol Vis Sci*, 2014;55:5263-8
 29. Shetty R, D'Souza S, Ramachandran S, Kurian M, and Nuijts RMMA, Decision making nomogram for intrastromal corneal ring segments in keratoconus. *Indian J Ophthalmol*, 2014;62:23-8
 30. Shetty R, Kaweri L, Nuijts RMMA, Nagaraja H, Arora V, and Kumar RS, Profile of microbial keratitis after corneal collagen cross-linking. *Biomed Res Int*, 2014;2014:340509
 31. Shetty R, Nagaraja H, Jayadev C, Pahuja NK, Kurian Kummelil M, and Nuijts RMMA, Accelerated corneal collagen cross-linking in pediatric patients: two-year follow-up results. *Biomed Res Int*, 2014;2014:894095
 32. Shi Y, Jia Y, Hou S, Fang J, Zhou Y, Kijlstra A, and Yang P, Association of a TNIP1 polymorphism with Vogt-Koyanagi-Harada syndrome but not with ocular Behcet's disease in Han Chinese. *PLoS One*, 2014;9:e95573
 33. Smailhodzic D, van Asten F, Blom AM, Mohlin FC, den Hollander AI, van de Ven JP, van Huet RA, Groenewoud JM, Tian Y, Berendschot TTJM, Lechanteur YT, Fauser S, de Bruijn C, Daha MR, van der Wilt GJ, Hoyng CB, and Klevering BJ, Zinc supplementation inhibits complement activation in age-related macular degeneration. *PLoS One*, 2014;9:e112682
 34. Tan AN, de Witte PM, Webers CAB, Berendschot TTJM, de Brabander J, Schouten JSAG, and Beckers HJM, Baerveldt drainage tube motility in the anterior chamber. *Eur J Ophthalmol*, 2014;24:364-70
 35. Theelen T, Berendschot TTJM, Klevering BJ, Fuijkschot J, Hoyng CB, and Willemsen MA, Multimodal imaging of the macula in hereditary and acquired lack of macular pigment. *Acta Ophthalmol*, 2014;92:138-42
 36. van der Made SM, Kelly ER, Berendschot TTJM, Kijlstra A, Lutjohann D, and Plat J, Consuming a buttermilk drink containing lutein-enriched egg yolk daily for 1 year increased plasma lutein but did not affect serum lipid or lipoprotein concentrations in adults with early signs of age-related macular degeneration. *J Nutr*, 2014;144:1370-7
 37. van der Worp E, Decoding soft lens fitting. *Cont Lens Anterior Eye*, 2014;37:391-3
 38. van der Worp E, Bornman D, Ferreira DL, Faria-Ribeiro M, Garcia-Porta N and Gonzalez-Meijome JM, Modern scleral contact lenses: A review. *Cont Lens Anterior Eye*, 2014;37:240-50
 39. van Gestel A, Schouten JSAG, Beckers HJM, Severens JL, Hendrikse F, and Webers CAB, The long term effectiveness and cost-effectiveness of initiating treatment for ocular hypertension. *Acta Ophthalmol*, 2014;92:513-23

40. Vinekar A, Gilbert C, Dogra M, Kurian M, Shainesh G, Shetty B, and Bauer NJC, The KIDROP model of combining strategies for providing retinopathy of prematurity screening in underserved areas in India using wide-field imaging, tele-medicine, non-physician graders and smart phone reporting. *Indian J Ophthalmol*, 2014;62:41-9
41. Visser N, Beckers HJM, Bauer NJC, Gast ST, Zijlmans BL, Berendschot TTJM, Webers CAB, and Nuijts RMMA, Toric vs Aspherical Control Intraocular Lenses in Patients With Cataract and Corneal Astigmatism: A Randomized Clinical Trial. *JAMA Ophthalmol*, 2014;132:1462-8
42. Wang C, Tian Y, Ye Z, Kijlstra A, Zhou Y, and Yang P, Decreased interleukin 27 expression is associated with active uveitis in Behcet's disease. *Arthritis Res Ther*, 2014;16:R117
43. Wang C, Ye Z, Kijlstra A, Zhou Y, and Yang P, Activation of the aryl hydrocarbon receptor affects activation and function of human monocyte-derived dendritic cells. *Clin Exp Immunol*, 2014;177:521-30
44. Wang C, Ye Z, Kijlstra A, Zhou Y, and Yang P, Decreased expression of the aryl hydrocarbon receptor in ocular Behcet's disease. *Mediators Inflamm*, 2014;2014:195094
45. Wei L, Zhou Q, Hou S, Bai L, Liu Y, Qi J, Xiang Q, Zhou Y, Kijlstra A, and Yang P, MicroRNA-146a and Ets-1 gene polymorphisms are associated with pediatric uveitis. *PLoS One*, 2014;9:e91199
46. Wijnen PA, Cremers JP, Nelemans PJ, Erckens RJ, Hoitsma E, Jansen TL, Bekers O, and Drent M, Association of the TNF-alpha G-308A polymorphism with TNF-inhibitor response in sarcoidosis. *Eur Respir J*, 2014;43:1730-9
47. Wu L, Wen H, Zhou Y, Yu H, Liu Y, Bai L, Kijlstra A, and Yang P, Activation of the liver X receptor inhibits Th17 and Th1 responses in Behcet's disease and Vogt-Koyanagi-Harada disease. *Curr Mol Med*, 2014;14:712-22
48. Xiang Q, Chen L, Hou S, Fang J, Zhou Y, Bai L, Liu Y, Kijlstra A, and Yang P, TRAF5 and TRAF3IP2 gene polymorphisms are associated with Behcet's disease and Vogt-Koyanagi-Harada syndrome: a case-control study. *PLoS One*, 2014;9:e84214
49. Xu M, Wang C, Tian Y, Kijlstra A, and Yang P, Inhibition of proinflammatory cytokine by IL-25 in Vogt-Koyanagi-Harada syndrome. *Ocul Immunol Inflamm*, 2014;22:294-9
50. Ye Z, Wang C, Kijlstra A, Zhou X, and Yang P, A possible role for interleukin 37 in the pathogenesis of Behcet's disease. *Curr Mol Med*, 2014;14:535-42
51. Yu H, Liu Y, Bai L, Kijlstra A, and Yang P, Predisposition to Behcet's disease and VKH syndrome by genetic variants of miR-182. *J Mol Med (Berl)*, 2014;92:961-7
52. Yu H, Liu Y, Zhang L, Wu L, Zheng M, Cheng L, Luo L, Kijlstra A, and Yang P, FoxO1 gene confers genetic predisposition to acute anterior uveitis with ankylosing spondylitis. *Invest Ophthalmol Vis Sci*, 2014;55:7970-4
53. Zhang Q, Qi J, Hou S, Du L, Yu H, Cao Q, Zhou Y, Liao D, Kijlstra A, and Yang P, A functional variant of PTPN22 confers risk for Vogt-Koyanagi-Harada syndrome but not for ankylosing spondylitis. *PLoS One*, 2014;9:e96943
54. Zhou Q, Hou S, Liang L, Li X, Tan X, Wei L, Lei B, Kijlstra A, and Yang P, MicroRNA-146a and Ets-1 gene polymorphisms in ocular Behcet's disease and Vogt-Koyanagi-Harada syndrome. *Ann Rheum Dis*, 2014;73:170-6

Wetenschappelijke publicatie in internationaal tijdschrift

1. Dickmann, M.M. and Nuijts, R.M.M.A.: Femto lasers: new technology offers some advantages but is it worth it? Eurotimes 18/19 (12/1):8, 2014.
2. Nuijts, R.M.M.A. ESCRS launches 2014 research awards. Eurotimes 18/19 (12/1):31, 2014.
3. Wielders, L.H.P., Schouten, J.S.A.G., and Nuijts, R.M.M.A.: CME management. Eurotimes 19 (3):13, 2014.
4. Nuijts, R.M.M.A.: Phakic IOLs. Eurotimes 19 (5):16, 2014.
5. Dickman, M.M., and Nuijts, R.M.M.A.: Transplantation: New microkeratome opens the door to PDAEK. Eurotimes 19 (5):23, 2014.
6. Schouten, J.S.A.G., Wielders, L.H.P., and Nuijts, R.M.M.A.: Macular oedema. Eurotimes 19 (6):23, 2014.
7. Dickman, M.M., and Nuijts, R.M.M.A.: Precut tissue: innovative microkeratome predictably harvests ultrathin grafts. Eurotimes 19 (7/8):15, 2014.
8. Bennett ES, Nichols JJ, van der Worp E, Caroline P, Norman CW. Highlights from the 2014 GSLS Meeting. Contact Lens Spectrum 4/2014:22-63.
9. van der Worp E, Schweizer H, Lampa M, Van Beusekom M, Andre M. The future of Soft Contact Lens Fitting Starts Here. Contact Lens Spectrum 6/2014:44-55.
10. Van der Worp E, Molkenboer V. Backstage part 2 - do we know what is happening behind a soft lens? - Global Contact 2/2014;No.67:20-24
11. Van der Worp E, Schweizer H. Myth or Fact? Test your knowledge about soft lens fitting. Global Contact 3/2014;No.67:28-33

Editorial Material

1. Nuijts, R. M. "Refractive Surgical Question: March Consultation #1." J Cataract Refract Surg 40, no. 3 (2014): 501-2.
2. Nuijts, R. M. "Refractive Surgical Question: September Consultation #1." J Cataract Refract Surg 40, no. 9 (2014): 1571-2; discussion 1575.

Letters to the editor

1. Janssen, S. F., Gorgels, T. G., Ramdas, W. D., Klaver, C. C., van Duijn, C. M., Jansonius, N. M. & Bergen, A. A., Alzheimer's disease and glaucoma-reply. Prog Retin Eye Res, 2014a;39:108-110

Wetenschappelijke publicatie in nationaal tijdschrift

1. Keunen, J. E., A. L. Delbecq, J. R. Cruysberg, J. C. van Meurs, I. M. Gan and T. T. Berendschot. "[Laser Pointers Are Not Toys; Eye Injury with Permanent Loss of Visual Acuity]." Ned Tijdschr Geneesk 158, (2014): A7813.

Boekbijdrage

1. Berendschot, T. T. J. M. & Plat, J. 2014. Plant stanol and sterol esters and macular pigment optical density. In Handbook of nutrition, diet and the eye, ed. V. C. Preedy, 441-449. Amsterdam: Academic Press.

Vakpublicaties nationaal en internationaal

1. Webers CAB, Schouten JSAG Wat zijn gezichtsstoornissen en wat zijn de determinanten? In: Volksgezondheid Toekomst Verkenning, Nationaal Kompas Volksgezondheid. Bilthoven: RIVM, <<http://www.nationaalkompas.nl>> Nationaal Kompas Volksgezondheid\Gezondheidstoestand\Ziekten en aandoeningen\Zenuwstelsel en zintuigen\Gezichtsstoornissen, 19 maart 2014.
2. Webers CAB, Schouten JSAG. Hoe vaak komen gezichtsstoornissen voor? In: Volksgezondheid Toekomst Verkenning, Nationaal Kompas Volksgezondheid. Bilthoven: RIVM, <<http://www.nationaalkompas.nl>> Nationaal Kompas Volksgezondheid\Gezondheidstoestand\Ziekten en aandoeningen\Zenuwstelsel en zintuigen\Gezichtsstoornissen, 19 maart 2014.
3. Webers CAB, Schouten JSAG. Neemt het aantal mensen met gezichtsstoornissen toe of af? In: Volksgezondheid Toekomst Verkenning, Nationaal Kompas Volksgezondheid. Bilthoven: RIVM, <<http://www.nationaalkompas.nl>> Nationaal Kompas Volksgezondheid\Gezondheidstoestand\Ziekten en aandoeningen\Zenuwstelsel en zintuigen\Gezichtsstoornissen, 19 maart 2014