



Images Courtesy of Dr. Scott Lee of East Bay Retina, Oakland CA

ZEISS AngioPlex OCT Angiography Clinical Compendium



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OCT-A Technology

1. [Swept-Source OCT Angiography of the Retinal Vasculature Using Intensity Differentiation-based Optical Microangiography Algorithms. \(Ophthalmic Surg Lasers Imaging Retina. 2014;45:382-389\)](#)
Huang Y, Zhang Q, Thorell MR, An L, Durbin MK, Laron M, Sharma U, Gregori G, Rosenfeld PJ, Wang RK.
2. [Wide-field imaging of retinal vasculature using optical coherence tomography-based microangiography provided by motion tracking. \(J Biomed Opt. 2015 Jun;20\(6\):066008.\)](#)
Zhang Q, Huang Y, Zhang T, Kubach S, An L, Laron M, Sharma U, Wang RK.
3. [Feature space optical coherence tomography based micro-angiography. \(Biomed Opt Express. 2015 Apr 28;6\(5\):1919-28.\)](#)
Zhang A, Wang RK.
4. [Efficient method to suppress artifacts caused by tissue hyper-reflections in optical microangiography of retina in vivo. \(Biomed Opt Express. 2015 Mar 10;6\(4\):1195-208.\)](#)
Huang Y, Zhang Q, Wang RK.

AMD

1. [Methods and algorithms for optical coherence tomography-based angiography: a review and comparison.](#)
Zhang A, Zhang Q, Chen CL, Wang RK.
2. [OCT Angiography \(OCTA\) of Macular Neovascularization \(MNV\) \(ARVO 2015- B0117\)](#)
Ramenaden ER , Legarreta JE , Legarreta AD , Matsunaga D , Kashani AH , Gregori G , Zhang Q , Wang RK , Puliafito CA , Rosenfeld PJ.
3. [Enface OCT Angiography \(OCTA\) Techniques for Enhanced Visualization of Choroidal Neovascularization \(ARVO 2015- A0106\)](#)
Sharma U, Matsunaga D, An L, Durbin MK, Puliafito CA, Kashani AH.
4. [Multimodal Imaging of Geographic Areas of Retinal Darkening.](#)
Moysidis SN, Koulisis N, Ameri H, Matsunaga D, Yi J, Isozaki VL, Kashani AH, Olmos de Koo LC.
5. [Evaluation of Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy using OCT-based Microangiography \(ARVO 2015- B0138\)](#)
Wang RK , Zhang Q, Lee C , Huang Y, Rezaei KA, Munsen R , Chao JR , Kinyoun JL.

Diabetic Retinopathy

1. [Optical Coherence Tomography Angiography of Diabetic Retinopathy in Human Subjects.](#)
Matsunaga DR, Yi JJ, De Koo LO, Ameri H, Puliafito CA, Kashani AH.
2. [Noninvasive Visualization and Analysis of the Human Parafoveal Capillary Network Using Swept Source OCT Optical Microangiography.](#)
Kuehlewein L, Tepelus TC, An L, Durbin MK, Srinivas S, Sadda SR.
3. [OCT-based microangiography of diabetic retinopathy \(ARVO 2015- B0119\)](#)
Zhang Q, Lee CS, Huang Y, Attaran-Rezaei K, Chao JR, Munsen R, Kinyoun J, Wang RK.

4. [Quantitative and qualitative evaluation of Diabetic Retinopathy retinal vasculature with Cirrus-5000 Angiography prototype \(ARVO 2015- B0123\)](#)
An L, Durbin MK, Lee S, Chung P, Laron M, Sharma U.
5. [Evaluation of Neovascularization Elsewhere using Optical Coherence Tomography based Microangiography \(ARVO 2015-A0134\)](#)
Durbin MK, Lee S, Lee C, Zhang Q, Chung P, Attaran-Rezai K, Laron M, An L, Wang RK.
6. [Diabetic retinopathy: Multimodal imaging using OCT angiography. \[Article in French\]](#)
Geismar Y, Delyfer MN, Rougier MB, Korobelnik JF.

Glaucoma

1. [Optic disc perfusion in glaucoma with optical microangiography \(OMAG\) \(ARVO 2015- 1310\)](#)
Chen CL, Gupta D, Wen JC, Mudumbai RC, Johnstone MA, Chen PP, Bojikian KD, Zhang Q, Huang Y, Wang RK.
2. [Evaluation of Optic Disc Perfusion in Normal-Tension Glaucoma Patients by Optical Coherence Tomography Angiography \(ARVO 2015-B0067\)](#)
Zhu D, Reznik A, Chen CL, Wang RK, Puliafito CA.

MacTel2

1. [OCT Angiography \(OCTA\) of Macular Telangiectasia Type 2 \(ARVO 2015- B0139\)](#)
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Normals

1. [OCT Angiography In Healthy Human Subjects](#)
Matsunaga D, Yi J, Puliafito CA, Kashani AH.
2. [The Range of Foveal Avascular Zone \(FAZ\) Size and Vessel Density Around the FAZ in Healthy Eyes as Measured from OCT Angiography En-Face Images \(ARVO 2015- A0128\)](#)
Laron M, Durbin MK, An L, Sharma U, Lamg RW, Cunha-Vaz JG.
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Chu Z, Zhang Q, Chen CL, Luo F, Lee C, Kinyoun JL, Wang RK.

Retinal Pigmentosa

1. [Evaluation of choroidal and retinal vasculature network in patients with retinitis pigmentosa using optical microangiography \(ARVO 2015- B0130\)](#)
Attaran-Rezaei K, Zhang Q, Chao JR, Huang Y, Wang RK.

Retinal Vein Occlusion

1. [Swept-Source OCT Angiography \(OCTA\) of Subjects with Retinal Vein Occlusions \(ARVO 2015- B0128\)](#)
Lee SY, Matsunaga D, Yi J, Durbin MK, Puliafito CA, Kashani AH.
2. [Imaging areas of retinal nonperfusion in ischemic branch retinal vein occlusion with swept-source OCT microangiography \(Ophthalmic Surg Lasers Imaging Retina. 2015 Feb;46\(2\):249-52\)](#)
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3. [Optical Coherence Tomography Angiography of Retinal Venous Occlusion.](#)
Kashani AH, Lee SY, Moshfeghi A, Durbin MK, Puliafito CA.

Susac's Syndrome

1. [Optical Microangiography Imaging in a Patient with Retinal Vasculopathy from Susac's Syndrome \(ARVO 2015- B0140\)](#)
Mudumbai RC, Zhang Q, Chen CL, Huang Y, Wang R.

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