

CURRICULUM VITAE
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Department of Ophthalmology
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Education

1999	Ph.D.	Asahikawa Medical College
1996-1999	Graduate School	Asahikawa Medical College
1994	M.D.	Asahikawa Medical College

Research and Professional Experience

2023-current	Professor and Chairman, Department of Ophthalmology, Asahikawa Medical University	
2017-2023	Associate Professor, Division of Ophthalmology, Department of Visual Sciences, Nihon University School of Medicine	
2013-2017	Associate Professor, Department of Ophthalmology, Asahikawa Medical University, Asahikawa, Japan	
2007-2013	Assistant Professor, Department of Ophthalmology, Asahikawa Medical College, Asahikawa, Japan	
2005-2007	Research Scientist, Scott & White Eye Institute and Texas A&M University Health Science Center (Professor: Lih Kuo, PhD)	
2000-2005	Instructor, Department of Ophthalmology, Asahikawa Medical College,	
Asahikawa, Japan		

Postdoctoral Training

1994-1996	Resident	Department of Ophthalmology, Asahikawa Medical College, Japan
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Licensure and Certification

2000	Ophthalmology Board Certification, Japanese Ophthalmological Society
1994	National Board of Medicine, Japan

Hospital or Affiliated Institution Appointments

2023-current	Ophthalmologist	Asahikawa Medical University, Japan
2017-2023	Clinical Professor	Nihon University School of Medicine Itabashi Hospital, Japan
2007-2017	Ophthalmologist	Asahikawa Medical University, Japan
2000-2005	Ophthalmologist	Asahikawa Medical University, Japan
1999-2000	Ophthalmologist	Asahikawa City Hospital, Japan
1995-1996	Ophthalmologist	Kushiro City Hospital, Japan
1995	Ophthalmologist	Nayoro City Hospital, Japan
1994-1995	Ophthalmologist	Asahikawa Medical University, Japan

Operations/Procedures Performed (1995-2022)

Vitrectomy: 4,000 cases (2,500 cases between 2017-2024)
Cataract surgery: 5,000 cases
Glaucoma surgery: 15 cases

Professional Society Membership

1994- Japan Ophthalmological Society
1994- Japanese Association of Ophthalmologists
1995- The Association for Research in Vision and Ophthalmology
1995- Japanese Society of Ophthalmic Diabetes
1998- Japan Ocular Microcirculation Society
1999- Japan Vitreoretinal Society
2002- Japanese Society for Microcirculation
2003- American Academy of Ophthalmology
2003- Japanese Circulation Society
2003- Japan Atherosclerosis Society
2005- American Heart Association
2010- American Diabetes Association

Awards and Honors

2003 The Award for Young Investigators, The Hokkaido Heart Foundation
2003 Tavel Fellowship for Young Investigators, The Ito Foundation
2004 The Akiyama Award for Young Investigators, The Akiyama Foundation
2004 The Jamcon Award, The Jamcon Foundation
2005 The Uehara Memorial Foundation for Young Investigators, The Uehara Foundation
2005 Award for Young Investigators, The Japanese Ophthalmology Society
2010 Tano Young Investigator Award, The Japanese Vitreoretinal Society
2013 Young Investigator Award, The Japanese Diabetes Complication Association
2021

Major Research Interests

- 1) Physiology and pathophysiology of retinal and choroidal microcirculation
- 2) Retinal and choroidal circulation in patients with diabetic retinopathy
- 3) Endothelial dysfunction in the retinal microcirculation
- 4) Evaluation of retinal wall shear stress
- 5) Nitric oxide and microvascular function
- 6) Diabetes mellitus/Diabetic retinopathy
- 7) Effect of smoking on retinal circulation
- 8) Effect of statins on retinal circulation

- 9) Atherosclerosis/arteriosclerosis
- 10) Inflammation and retinal circulation
- 11) Hyperlipidemia
- 12) Hypertension

Research Funding

2002-2004	Japanese Government/Grant-in aid for Young Scientists (B) 14770940 Role: Principal Investigator "Non-invasive evaluation of the impairment of retinal circulation using a laser Doppler velocimetry in patients with diabetes mellitus" Direct cost: 3,200,000 JPY
2004-2005	Japanese Government/Grant-in aid for Young Scientists (B) 16791037 Role: Principal Investigator "The evaluation of the retinal circulation and endothelial function in patients with diabetes mellitus" Direct cost: 3,500,000 JPY
2006	Retina Research Foundation/Basic Research Grant Role: Principal Investigator "Effect of C-reactive protein and statins on retinal arteriolar function" Direct cost: 35,000 USD
2006	Scott & White Research Foundation Role: Principal Investigator "Alteration of vasomotor function of retinal arterioles: role of endothelial nitric oxide and oxidative stress" Direct cost: 40,000 USD
2006	The Advanced age-patients ocular disease foundation Role: Principal Investigator "The role of endothelial function in patients with diabetes mellitus: in vitro study using isolated blood vessel technique and clinical study using a laser Doppler velocimetry" Direct cost: 1,000,000 JPY
2007	Retina Research Foundation/Basic Research Grant Role: Principal Investigator "Effect of C-reactive protein and statins on retinal arteriolar function" Direct cost: 40,000 USD
2007-2009	Japanese Government/Grant-in aid for Young Scientists (A) 16791037 Role: Principal Investigator Direct cost: 10,400,000 JPY
2010-2012	Japanese Government/ Grant-in-Aid for scientific Research (C) 18591904 Role: Principal Investigator Direct cost: 3,800,000 JPY
2013-2014	Japanese Government/ Grant-in-Aid for Challenging Exploratory Research 25670724 Role: Principal Investigator Direct cost: 3,640,000 JPY
2013-2015	Japanese Government/ Grant-in-Aid for scientific Research (B) 25293352 Role: Principal Investigator Direct cost: 15,340,000 JPY
2017-2020	Japanese Government/ Grant-in-Aid for scientific Research (C) Role: Principal Investigator Direct cost: 3,800,000 JPY
2022-	Japanese Government/ Grant-in-Aid for scientific Research (C) Role: Principal Investigator Direct cost: 3,200,000 JPY

Editorships

Reviewer for Investigative Ophthalmology & Visual Science
Reviewer for Diabetes Care

Reviewer for Diabetologia
Reviewer for Diabetes
Reviewer for Ophthalmologic Physiology and Optics
Reviewer for Japanese Journal of Ophthalmology
Reviewer for Indian Journal of Ophthalmology
Reviewer for British Journal of Ophthalmology
Reviewer for American Journal of Cardiology
Reviewer for Acta Ophthalmologica
Reviewer for Ophthalmic Research
Reviewer for Molecular Vision
Reviewer for Ophthalmology
Reviewer for Acta Ophthalmologica

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1. Takahashi K, Song Y, Motokawa K, **Nagaoka T**. Acute transient choroidal elevation induced by hyperpermeability of asymmetrical pachyvessel over-crossed watershed zone. *Am J Ophthalmol Case Rep*. 2025 Jan 7;37:102250.
2. Iwasaki M, Nakashizuka H, Tanaka K, Wakatsuki Y, Onoe H, Nakagawa N, Fujimiya T, Koutari S, Sakakibara T, Shoda C, Hanaguri J, Yokota H, Takayuki H, Mori R, Shimada H, **Nagaoka T**, Yamagami S. INFLUENCE OF FOVEAL GLIAL TISSUE AFTER MACULAR HOLE SURGERY ON OUTER RETINAL RESTORATION AND VISUAL ACUITY. *Retina*. 2025 Feb 1;45(2):215-221.
3. Shimura M, Hirano T, Tsuiki E, Takamura Y, Morizane Y, Akiyama K, Yamamoto K, Hikichi T, Koto T, Kinoshita T, Kusuhashi S, Yoshida S, Sakamoto SI, Kimura K, Sugimoto M, Kida T, Mitamura Y, Takatsuna Y, Washio N, Osaka R, Ueda T, Minamoto A, Kogo J, Okamoto F, Enaida H, Sakanishi Y, **Nagaoka T**, Gomi F, Sasaki M, Terasaki H, Iwase T, Tatsumi T, Nishi K, Shinoda K, Ueda S, Ueda-Consolvo T, Nakashizuka H, Murata T, Kitano S, Sakamoto T; J-CREST STREAT-DME 2 Study Group. ALTERATION OF TREATMENT CHOICES AND THE VISUAL PROGNOSIS FOR DIABETIC MACULAR EDEMA IN THE ERA OF ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR DRUGS: Analysis of the STREAT-DME 2 Study. *Retina*. 2025 Feb 1;45(2):335-344.
4. Konno A, Ishibazawa A, Kagokawa H, Meya Y, **Nagaoka T**. An open-globe injury case caused by brown bear attack. *Am J Ophthalmol Case Rep*. 2024 Nov 9;36:102210.
5. **Sugiyama R**, Hanaguri J, Yokota H, Kishiyama A, Kushiya S, Kikuchi T, Igarashi T, Iketani M, Osawa I, Harino S, Yamagami S, **Nagaoka T***. Oral intake of hydrogen water improves retinal blood flow dysregulation in response to flicker stimulation and systemic hyperoxia in diabetic mice. *Transl Vis Sci Technol* 2024 Oct 1;13(10):36.
6. Hirano T, Murata T, Nakao S, Shimura M, Nozaki M, Suzuma K, **Nagaoka T**, Sugimoto M, Takamura Y, Murakami T, Iwasaki K, Tsujimura J, Yoshida S. Optimization of individualized faricimab dosing for patients with diabetic macular edema: Protocol for the SWAN open-label, single-arm clinical trial. *PLoS One*. 2024 Oct 10;19(10):e0311484.
7. **Nagaoka T***, Yokota H, Watanabe M, et al. Impairment of Flicker-induced Increase in Retinal Blood flow in Diabetic Pigs. *Jpn J Ophthalmol*. 2024 Jul;68(4):362-366.
8. Saima Y, Yokota H, Kushiya S, Hanaguri J, Ohno A, Takase K, Sugiyama R, Muranaka K, Yamagami S, **Nagaoka T***. Effects of switching from intravitreal injection of aflibercept to faricimab on ocular blood flow in patients with diabetic macular edema. *Scientific Reports*. 2024 Jun 14;14(1):13798. doi: 10.1038/s41598-024-63435-8.
9. **Hanazaki H***, Yokota H, Yamagami S, Nakamura Y, **Nagaoka T***. The Effect of Anti-Autotaxin Aptamers on the Development of Proliferative Vitreoretinopathy. *Int J Mol Sci*. 2023 Nov 3;24(21):15926.
10. **Watanabe M***, Miyata Y, Ohno A, Yokota H, Takase K, Hanaguri J, Kushiya S, Yamagami S, Harino S, **Nagaoka T***. Dilation of porcine retinal arterioles to nobiletin, a polymethoxyflavonoid: Roles of nitric oxide and voltage-dependent potassium channel. *Exp Eye Res*. 2023 Aug;233:109548.
11. Takase K, Yokota H, Ohno A, Watanabe M, Kushiya S, Yamagami S, **Nagaoka T**. A pilot study of diabetic retinopathy in a porcine model of maturity onset diabetes of the young type 3 (MODY3). *Exp Eye Res*. 2023 Feb;227:109379.
12. Yokota H, Hayashi H, Hanaguri J, Yamagami S, Kushiya S, Nakagami H, **Nagaoka T***. Effect of prorenin peptide vaccine on the early phase of diabetic retinopathy in a murine model of type 2 diabetes. *PLoS One*. 2022 Jan 18;17(1):e0262568.
13. Hanaguri J, Yokota H, Kushiya S, Kushiya S, Watanabe M, Yamagami S, **Nagaoka T***. The Effect of Sodium-Dependent Glucose Cotransporter 2 Inhibitor Tofogliflozin on Neurovascular Coupling in the Retina in Type 2 Diabetic Mice. *Int J Mol Sci*. 2022 Jan 25;23(3):1362. doi: 10.3390/ijms23031362.
14. Hanaguri J, Nagai N, Yokota H, Kushiya S, Watanabe M, Yamagami S, **Nagaoka T***. Fenofibrate Nano-Eyedrops Ameliorate Retinal Blood Flow Dysregulation and Neurovascular Coupling in Type 2 Diabetic Mice. *Pharmaceutics*. 2022 Feb 9;14(2):384. doi: 10.3390/pharmaceutics14020384.
15. Ebuchi Y, **Nagaoka T***, Fukamachi D, Kojima K, Akutsu N, Murata N, Saito Y, Kitano D, Yokota H, Yamagami S, Okumura Y. Comprehensive assessment of systemic arteriosclerosis in relation to the ocular resistive index in acute coronary syndrome patients. *Sci Rep*. 2022 Feb 11;12(1):2321. doi: 10.1038/s41598-021-04196-6.
16. Hanaguri J, Yokota H, Kushiya S, Kushiya S, Watanabe M, Yamagami S, **Nagaoka T***. Beneficial effect of long-term administration of supplement with trapa bispinosa roxb. and lutein on retinal neurovascular coupling in type 2 diabetic mice. *Frontier in Physiology* 2022 Feb 24;13:788034.
17. Hirano T, Toriyama Y, Takamura Y, Sugimoto M, **Nagaoka T**, Sugiura Y, Okamoto F, Saito M, Noda K, Yoshida S, Ishibazawa A, Sawada O, Murata T. Treat-and-extend therapy with aflibercept for diabetic macular edema: a prospective clinical trial. *Japanese journal of ophthalmology* 65(3) 354-362 2021.
18. Aso H, Yokota H, Hanazaki H, Yamagami S, **Nagaoka T***. The kebab technique uses a bipolar pencil to retrieve a dropped nucleus of the lens via a small incision. *Scientific reports* 11(1) 2021 Apr 12;11(1):7897. doi: 10.1038/s41598-021-87022-3.
19. Hanazaki H, Yokota H, Aso H, Yamagami S, **Nagaoka T**. Evaluation of ocular blood flow over time in a treated retinal arterial macroaneurysm using laser speckle flowgraphy. *Am J Ophthalmol Case Rep*. 2021 Feb 2;21:101022. doi: 10.1016/j.ajoc.2021.101022.
20. Hirano, T Toriyama Y, Takamura Y, Sugimoto M, **Nagaoka T**, Sugiura Y, Okamoto F, Saito M, Noda K, Yoshida S, Ishibazawa A, Sawada O, Murata T. Outcomes of a 2-year treat-and-extend regimen with aflibercept for diabetic macular edema. *Scientific reports* 11(1) 4488-4488 2021. Feb 24;11(1):4488. doi: 10.1038/s41598-021-83811-y.

21. Watanabe M, Yokota H, Aso H, Hanazaki H, Hanaguri J, Yamagami S, **Nagaoka T***. Development of Stage 4 Macular Hole after Spontaneous Closure in a Patient with Stage 2 Macular Hole and a Lamellar Macular Hole-Associated Epiretinal Proliferation. Case reports in ophthalmology 12(2) 481-484 2021.
22. Yokota H, **Nagaoka T**, Noma H, Ofusa A, Kanemaki T, Aso H, Hanazaki H, Yamagami S, Shimura M. Role of ICAM-1 in impaired retinal circulation in rhegmatogenous retinal detachment. Scientific Reports. 2021 Jul 28;11(1):15393. doi:10.1038/s41598-021-94993-w.
23. Hanaguri J, Yokota H, Watanabe M, Yamagami S, Kushiya A, Kuo L, **Nagaoka T***. Retinal blood flow dysregulation precedes neural retinal dysfunction in type 2 diabetic mice. Sci Rep. 2021 Sep 15;11(1):18401.
24. Takamura Y, Kida T, Noma H, Inoue M, Yoshida S, **Nagaoka T**, Noda K, Yamada Y, Morioka M, Gozawa M, Matsumura T, Inatani M. The Impact of Interval between Recurrence and Reinjection in Anti-VEGF Therapy for Diabetic Macular Edema in Pro Re Nata Regimen. J Clin Med. 2021 Dec 8;10(24):5738.
25. Hanaguri J, Yokota H, Watanabe M, Kuo L, Yamagami S, **Nagaoka T***. Longitudinal stability of retinal blood flow regulation in response to flicker stimulation and systemic hyperoxia in mice assessed with laser speckle flowgraphy. Scientific Reports 10(1) 2020. Nov 13;10(1):19796. doi: 10.1038/s41598-020-75296-y.
26. Nagaya M, Hasegawa K, Watanabe M, Nakano K, Okamoto K, Yamada T, Ayuko Uchikura A, Kenji Osafune K, Yokota H, **Nagaoka T**, Matsunari H, Umeyama K, Kobayashi E, Nakauchi H, Nagashima H. Genetically engineered pigs manifesting pancreatic agenesis with severe diabetes. BMJ open diabetes research & care 8(2) 2020. Nov;8(2):e001792. doi: 10.1136/bmjdr-2020-001792.
27. Hirano T, Toriyama Y, Iesato Y, Ishibazawa A, Sugimoto M, Takamura Y, **Nagaoka T**, Murata T. Effect of Leaking Foveal Microaneurysm on the Treatment of Center-Involving Diabetic Macular Edema: A Pilot Study. Ophthalmic Res. 61(1): 10-18, 2019.
28. Takahashi K, **Nagaoka T***, Ishibazawa A, Yoshida A. Impaired vascular endothelial function in patients with diabetic macular edema. Graefes Arch Clin Exp Ophthalmol. 256(2):439-440, 2018.
29. Kanda H, Kimura F, Iida T, Kanao-Kanda M, Kunisawa T, **Nagaoka T**, Yoshida A, Kamiya H. Combined Use of Intra-aortic Balloon Pump and Venoarterial Extracorporeal Membrane Oxygenation Support With Femoral Arterial Cannulation Impairs Cerebral Microcirculation: Evaluation With Laser Speckle Flowgraphy. J Cardiothorac Vasc Anesth. 31(3): 1021-1024, 2017.
30. Kamiya T, **Nagaoka T***, Omae T, Ono S, Otani S, Yoshida A. Benzo(e)Pyrene Inhibits Endothelium-Dependent NO-Mediated Dilation of Retinal Arterioles via Superoxide Production and Endoplasmic Reticulum Stress. Invest Ophthalmol Vis Sci. 58(13):5978-5984, 2017.
31. Kimura F, Kanda H, Toyama Y, Kunisawa T, **Nagaoka T***, Yoshida A, Kitahara H, Kamiya H. Evaluation of cerebral circulation during retrograde perfusion by laser speckle flowgraphy. Gen Thorac Cardiovasc Surg.65(9):527-531, 2017.
32. Minami Y, **Nagaoka T**, Ishibazawa A, Yoshida A. Short-term effects of intravitreal ranibizumab therapy on diabetic macular edema. BMC Ophthalmol. 17(1):28. doi: 10.1186/s12886-017-0420-8, 2017.
33. Minami Y, **Nagaoka T**, Ishibazawa A, Yoshida A. Correlation between short- and long-term effects of intravitreal ranibizumab therapy on macular edema after branch retinal vein occlusion: a prospective observational study. BMC Ophthalmol. 17(1):90. doi: 10.1186/s12886-017-0485-4, 2017.
34. Omae T, **Nagaoka T**, Yoshida A. Effect of Circulating Omentin-1 on the Retinal Circulation in Patients with Type 2 Diabetes Mellitus. Invest Ophthalmol Vis Sci. 58(12):5086-5092, 2017.
35. Tani T, Takahashi A, **Nagaoka T**, Yoshida A. Abnormality of retinal arterial velocity profiles using Doppler Fourier-domain optical coherence tomography in a case of Takayasu's arteritis with aortic regurgitation. Am J Ophthalmol Case Rep. 5: 134-136, 2017.
36. **Nagaoka T***, Tani T, Song YS, Yoshioka T, Ishibazawa A, Nakabayashi S, Akiba M, Yoshida A. Evaluation of Retinal Circulation Using Segmental-Scanning Doppler Optical Coherence Tomography in Anesthetized Cats. Invest Ophthalmol Vis Sci. 57(7):2936-2941, 2016.
37. Ishibazawa A, **Nagaoka T**, Yokota H, Takahashi A, Omae T, Song YS, Takahashi T, Yoshida A. Characteristics of Retinal Neovascularization in Proliferative Diabetic Retinopathy Imaged by Optical Coherence Tomography Angiography. Invest Ophthalmol Vis Sci. 57(14): 6247-6255, 2016.
38. Kawaguchi Y, Takahashi A, **Nagaoka T**, Ishibazawa A, Ishiko S, Yoshida A. Retinal and choroidal hyperreflective foci on spectral-domain optical coherence tomographic images in a patient with retinitis pigmentosa accompanied by diabetic retinopathy. Am J Ophthalmol Case Rep. 3: 25-30, 2016.
39. Omae T, **Nagaoka T**, Yoshida A. Effects of Habitual Cigarette Smoking on Retinal Circulation in Patients with Type 2 Diabetes. Invest Ophthalmol Vis Sci. 57(3):1345-1351, 2016.
40. Song YS, **Nagaoka T***, Yoshioka T, Ono S, Wada T, Nakabayashi S, Tani T, Yoshida A. Glial Endothelin-1 Regulates Retinal Blood Flow during Hyperoxia in Cats. Invest Ophthalmol Vis Sci. 57(11): 4962-4969, 2016.
41. Ono S, Takahashi A, Mase T, **Nagaoka T**, Yoshida A. En face Swept-Source Optical Coherence Tomographic Analysis of X-linked Juvenile Retinoschisis. Am J Ophthalmol Case Rep. 2:30-32, 2016.
42. Otani S, **Nagaoka T***, Omae T, Tanano I, Kamiya T, Ono S, Hein TW, Kuo L, Yoshida A. Histamine-Induced Dilation of Isolated Porcine Retinal Arterioles: Role of Endothelium-Derived Hyperpolarizing Factor. Invest Ophthalmol Vis Sci. 57(11):4791-4798, 2016.
43. Song YS, **Nagaoka T***, Omae T, Yokota H, Takahashi A, Yoshida A. Systemic Risk Factors in Bilateral Proliferative Diabetic Retinopathy Requiring Vitrectomy. Retina. 36(7):1309-1313, 2016.
44. Kawaguchi Y, Takahashi A, **Nagaoka T**, Ishibazawa A, Ishiko S, Yoshida A. Retinal and choroidal hyperreflective foci on spectral-domain optical coherence tomographic images in a patient with retinitis pigmentosa accompanied by diabetic retinopathy. Am J Ophthalmol Case Rep. 3: 25-30, 2016.
45. Mase T, Ishibazawa A, **Nagaoka T**, Yokota H, Yoshida A. Radial Peripapillary Capillary Network Visualized Using Wide-Field Montage Optical Coherence Tomography Angiography. Invest Ophthalmol Vis Sci. 57(9):OCT504-OCT510, 2016.
46. Minami Y, **Nagaoka T**, Ishibazawa A, Yoshida A. Short-term effect of intravitreal ranibizumab therapy on macular edema after branch retinal vein occlusion. Retina. 36(9): 1726-1732, 2016.
47. Ishibazawa A, **Nagaoka T**, Minami Y, Kitahara M, Yamashita T, Yoshida A. Choroidal thickness evaluation before and after hemodialysis in patients with and without diabetes. Invest Ophthalmol Vis Sci. 2015 Oct;56(11):6534-6541.

48. Nakabayashi S, Kawai M, Yoshioka T, Song YS, Tani T, Yoshida A, **Nagaoka T**. Effect of Intravitreal Rho kinase inhibitor Ripasudil (K-115) on feline retinal microcirculation. *Exp Eye Res*. 2015 Oct; 139:132-135.
49. Utsunomiya T, **Nagaoka T**, Hanada K, Omae T, Yokota H, Abiko A, Haneda M, Yoshida A. Imaging of the Corneal Sub-Basal Whorl-Like Nerve Plexus: More Accurate Depiction of the Extent of Corneal Nerve Damage in Patients with Diabetes. *Invest Ophthalmol Vis Sci*. 2015 Aug;56(9):5417-5423.
50. Omae T, **Nagaoka T**, Yoshida A. Relationship between Retinal Blood Flow and Serum Adiponectin Concentrations in Patients with Type 2 Diabetes Mellitus. *Invest Ophthalmol Vis Sci*. 2015;56(6):4143-4149.
51. Tanano I, **Nagaoka T**, Ono S, Omae T, Otani S, Yoshida A. Vasodilatory mechanisms of unoprostone isopropyl in isolated porcine retinal arterioles. *Mol Vis*. 2015;21:699-705.
52. Yokota H, **Nagaoka T**, Sato E, Takahashi A, Shimouchi A, Yoshida A. Serum prorenin levels are not associated with ocular diseases in non-diabetic subjects. *J Renin Angiotensin Aldosterone Syst*. 2015;16(1):153-158.
53. Ishibazawa A, **Nagaoka T**, Takahashi A, Omae T, Tani T, Sogawa K, Yokota H, Yoshida A. Optical Coherence Tomography Angiography in Diabetic Retinopathy: A Prospective Pilot Study. *Am J Ophthalmol*. 2015;160(1):35-44.
54. Yoshioka T, **Nagaoka T**, Song YS, Yokota H, Tani T, Yoshida A. Role of Neuronal Nitric Oxide Synthase in Regulating Retinal Blood Flow during Flicker-Induced Hyperemia in Cats. *Invest Ophthalmol Vis Sci*. 2015;56(5):3113-3120.
55. Sogawa K, **Nagaoka T**, Tani T, Yoshida A. Anteroposterior tortuosity of the retinal vein at arterovenous crossings in healthy subjects. *Curr Eye Res* 2015 Oct; 40(10):1040-1045.
56. Song YS, **Nagaoka T**, Yoshioka T, Nakabayashi S, Tani T, Yoshida A. Role of Glial Cells in Regulating Retinal Blood Flow during Flicker-Induced Hyperemia in Cats. *Invest Ophthalmol Vis Sci*. 56(12):7551-7559, 2015.
57. Ono S, **Nagaoka T**, Omae T, Tanano I, Kamiya T, Otani S, Ishibazawa A, Yoshida A. Beraprost sodium, a stable prostacyclin analogue, elicits dilation of isolated porcine retinal arterioles: roles of eNOS and potassium channels. *Invest Ophthalmol Vis Sci* 55:5752-5759, 2014.
58. **Nagaoka T**, Sogawa K, Yoshida A. Changes in Retinal Blood Flow in Patients with Macular Edema Secondary to Branch Retinal Vein Occlusion Before and After Intravitreal Injection of Bevacizumab. *Retina*.34:2037-43, 2014.
59. Kamiya T, **Nagaoka T**, Omae T, Yoshioka T, Ono S, Tanano I, Yoshida A. Role of Ca²⁺-Dependent and Ca²⁺-Sensitive Mechanisms in Sphingosine 1-Phosphate-Induced Constriction of Isolated Porcine Retinal Arterioles in Vitro. *Exp Eye Res*. 121:94-101, 2014.
60. Tani T, **Nagaoka T**, Nakabayashi S, Yoshioka T, Yoshida A. Mechanisms Responsible for Autoregulation of Retinal Blood Flow in Response to Reductions in Ocular Perfusion Pressure in Cats: Comparison of the Effects of Increased Intraocular Pressure and Systemic Hypotension. *Invest Ophthalmol Vis Sci* 55:360-7, 2014.
61. Ishibazawa A, **Nagaoka T**, Yokota H, Ono S, Yoshida A. Low shear stress up-regulation of proinflammatory gene expression in human retinal microvascular endothelial cells. *Exp Eye Res*. 116:308-11, 2013.
62. **Nagaoka T**, Yoshida A. Relationship between retinal fractal dimensions and retinal circulation in patients with type 2 diabetes mellitus. *Curr Eye Res* 38:1148-52, 2013.
63. Omae T, **Nagaoka T**, Tanano I, Yoshida A. Adiponectin-induced dilation of isolated porcine retinal arterioles via production of nitric oxide from endothelial cells. *Invest Ophthalmol Vis Sci* 54:4586-94, 2013.
64. Omae T, **Nagaoka T**, Tanano I, Yoshida A. Homocysteine Inhibition of Endothelium-Dependent Nitric Oxide-Mediated Dilation of Porcine Retinal Arterioles via Enhanced Superoxide Production. *Invest Ophthalmol Vis Sci* 54:2288-95, 2013.
65. Tanano I, **Nagaoka T**, Omae T, Ishibazawa A, Kamiya T, Ono S, Yoshida A. Dilation of porcine retinal arterioles to cilostazol: roles of eNOS phosphorylation via cAMP/protein kinase A and AMP-activated protein kinase and potassium channel. *Invest Ophthalmol Vis Sci* 54:1443-9, 2013.
66. Tanano I, **Nagaoka T**, Sogawa K, Tani T, Omae T, Nakabayashi S, Ishibazawa A, Yoshida A. Impaired systemic endothelial function in patients with branch retinal vein occlusion. *Current Eye Research* 38:114-8, 2013.
67. Shimouchi A, Takahashi A, **Nagaoka T**, Ishibazawa A, Yoshida A. Vitreomacular interface in patients with familial exudative vitreoretinopathy. 33:711-5, 2013.
68. **Nagaoka T**, Yoshida A. Relationship between Retinal Blood Flow and Renal Function in Patients with Type 2 Diabetes Mellitus and Chronic Kidney Diseases. *Diabetes Care*. 2013;36:957-61
69. Nakabayashi S, **Nagaoka T**, Tani T, Sogawa K, Hein TW, Kuo L, Yoshida A. Retinal arteriolar responses to acute severe elevation in systemic blood pressure in cats: Role of endothelium-derived factors. *Exp Eye Res* 2012;103:63-70.
70. Takahashi A, Yoshida A, **Nagaoka T**, Takamiya A, Sato E, Kagokawa H, Kameyama D, Sogawa K, Ishiko S, Hirokawa H. Idiopathic Full-thickness Macular Holes and the Vitreomacular Interface: A High-Resolution Spectral-Domain Optical Coherence Tomography Study. *Am J Ophthalmol* ;154:881-892, 2012.
71. Kawai M, **Nagaoka T**, Takahashi A, Sato E, Yoshida A. Effects of topical carteolol on retinal arterial blood flow in primary open-angle glaucoma patients. *Jpn J Ophthalmol* ;56:458-63, 2012.
72. Omae T, **Nagaoka T**, Tanano I, Kamiya T, Yoshida A. Fenofibrate, an Anti-Dyslipidemia Drug, Elicits the Dilation of Isolated Porcine Retinal Arterioles: Role of Nitric Oxide and AMP-Activated Protein Kinase. *Invest Ophthalmol Vis Sci*; 53:2880-6, 2012.
73. Sato E, **Nagaoka T**, Yokota H, Takahashi A, Yoshida A. Correlation between Plasma Pentosidine Concentrations and Retinal Hemodynamics in Patients with Type 2 Diabetes. *Am J Ophthalmol* 153:903-909, 2012.
74. Sogawa K, **Nagaoka T**, Takahashi A, Tanano I, Tani T, Ishibazawa A, Yoshida A. Relationship between Choroidal Thickness and Choroidal Circulation in Healthy Young Subjects. *Am J Ophthalmol* 153(6):1129-1132, 2012.
75. Sogawa K, **Nagaoka T**, Tanano I, Tani T, Omae T, Nakabayashi S, Ishibazawa A, Takahashi A, Yoshida A. Association Between Diabetic Retinopathy and Flow-Mediated Vasodilation in Type 2 DM. *Current Eye Research* ;37:446-51, 2012.
76. Yokota H, Subhadra N, Wenbo Z, Hua L, Modesto R, Zhimin X, Tahir L, **Nagaoka T**, Yoshida A, Steven B, Caldwell RW, Caldwell RB. Neuroprotection from Retinal Ischemia/Reperfusion Injury by NOX2 NADPH Oxidase Deletion. *Invest Ophthalmol Vis Sci* ;52:8123-31, 2011.
77. Ishibazawa A, **Nagaoka T**, Takahashi T, Yamamoto K, Kamiya A, Ando J, Yoshida A. Effects of Shear Stress on the Gene Expressions of Endothelial Nitric Oxide Synthase, Endothelin-1, and Thrombomodulin in Human Retinal Microvascular Endothelial Cells. *Invest Ophthalmol Vis Sci* 52:8496-504, 2011.
78. Omae T, **Nagaoka T**, Tanano I, Yoshida A. Pioglitazone, a peroxisome proliferator-activated receptor-γ agonist, induces

- dilation of isolated porcine retinal arterioles: role of nitric oxide and potassium channels *Invest Ophthalmol Vis Sci* 52:6749-56, 2011.
79. Yokota H, **Nagaoka T**, Tani T, Takahashi A, Sato E, Kato Y, Yoshida A. Higher levels of prorenin predict development of diabetic retinopathy in patients with type 2 diabetes. *Journal of the Renin-Angiotensin-Aldosterone System*. 12:290-4, 2011.
 80. Takahashi A, Yoshida A, **Nagaoka T**, Kagokawa H, Kato Y, Takamiya A, Sato E, Yokota H, Ishiko S, Hirokawa H. Macular Hole Formation in Fellow Eyes with a Perifoveal Posterior Vitreous Detachment of Patients with a Unilateral Macular Hole. *American Journal of Ophthalmology* 151: 981-989. 2011.
 81. Takahashi A, **Nagaoka T**, Yoshida A. Stage 1-A Macular Hole: A Prospective Spectral-Domain Optical Coherence Tomography Study. *Retina* 31: 127-147, 2011.
 82. Ishibazawa A, Igarashi S, Hanada K, **Nagaoka T**, Ishiko S, Ito H, Yoshida A. Central Corneal Thickness Measurements with Fourier-Domain Optical Coherence Tomography versus Ultrasonic Pachymetry and Rotating Scheimpflug Camera. *Cornea* ;30:615-9, 2011.
 83. Takahashi A, **Nagaoka T**, Kagokawa H, Ishiko S, Yoshida A*. Centrifugal Enlargement Of Macular Hole And Macular Detachment in A Patient With Bilateral Giant Macular Holes. *Retinal Cases & Brief Reports*. 5: 184-188. 2011.
 84. Ishiko S, Yoshida A, Sato E, Kato Y, **Nagaoka T**, Van de Velde F. Indirect imaging of branch retinal vein occlusion using a scanning laser ophthalmoscope. *Jpn J Ophthalmol* 55:307-9, 2011.
 85. **Nagaoka T***, Sato E, Takahashi A, Yokota H, Sogawa K, Yoshida A. Impaired Retinal Circulation in Patients with Type 2 Diabetes Mellitus: Retinal Laser Doppler Velocimetry Study. *Invest Ophthalmol Vis Sci* 51:6729-6734, 2010.
 86. Takahashi A, **Nagaoka T**, Kato Y, Ishiko S, Yoshida A. Spontaneous outer retinal closure of stage 1B macular hole without vitreofoveal separation. *Int Ophthalmol*. 30: 731-4, 2010.
 87. Sogawa K, **Nagaoka T***, Izumi N, Nakabayashi S, Yoshida A. Acute Hyperglycemia Induces Endothelial Dysfunction in the Retinal Arterioles in Cats. *Invest Ophthalmol Vis Sci* 51:2648-55, 2010.
 88. Takahashi A, **Nagaoka T**, Ishiko S, Kameyama D, Yoshida A. Foveal Anatomic Changes in a Progressing Stage 1 Macular Hole Documented by Spectral Domain Optical Coherence Tomography Ophthalmology. *Ophthalmology*; 117:806-10, 2010.
 89. Takahashi A, Ishiko S, **Nagaoka T**, Kato Y, Kameyama D, Yoshida A. Macular Microhole of the Outer Retinal Defect with a Perifoveal Posterior Vitreous Detachment. *Ophthalmic Surgery, Lasers and Imaging* 9:1-4, 2010.
 90. Takahashi T, **Nagaoka T**, Yanagida H, Saitoh T, Kamiya A, Hein T, Kuo L, Yoshida A. A mathematical model for the distribution of hemodynamic parameters in the human retinal microvascular network. *J Biorheol* 23:77-86, 2009.
 91. **Nagaoka T***, Sato E, Takahashi A, Sogawa K, Yokota H, Yoshida A. Effect of aging on retinal circulation in normotensive healthy subjects. *Exp Eye Res* 89:887-91, 2009.
 92. Hein T, Ren Y, Yuan Z, Xu W, Somvanshi S, **Nagaoka T**, Yoshida A, Kuo L Functional and Molecular Characterization of the Endothelin System in Retinal Arterioles. *Invest Ophthalmol Vis Sci* 50:3329-36, 2009.
 93. Noma H, Funatsu H, Sakata K, Harino S, **Nagaoka T**, Mimura T, Sone T, Hori S. Macular Microcirculation and Macular Oedema in Branch Retinal Vein Occlusion. *Br J Ophthalmol*. 2009;93:630-3.
 94. **Nagaoka T***, Takahashi A, Sato E, Yokota A, Izumi N, Takahashi A, Yoshida A. Effect of Systemic Administration of Valsartan, an Angiotensin II Type 1 Receptor Blocker, on Retinal Circulation in healthy humans. *Eye*. 23:1491-2, 2009.
 95. Takahashi A, **Nagaoka T***, Sato E, Yoshida A. Effect of Panretinal Photocoagulation on Choroidal Circulation in the Foveal Region in Patients with Severe Diabetic Retinopathy. *Br J Ophthalmol* 92:1369-73, 2008.
 96. Izumi N, **Nagaoka T***, Sato E, Sogawa K, Kagokawa H, Takahashi A, Kawahara A, Yoshida A. Role of Nitric Oxide in Regulation of Retinal Blood Flow in Response to Hyperoxia in Cats. *Invest Ophthalmol Vis Sci*.49:4595-603, 2008.
 97. Izumi N, **Nagaoka T**, Sato E, Mori F, Takahashi A, Sogawa K, Yoshida A. Short-term effects of topical tafluprost on retinal blood flow in cats. *Journal of Ocular Pharmacology & Therapeutics*. 24:521-526, 2008.
 98. Yokota H, Takamiya A, **Nagaoka T**, Hikichi T, Ishida Y, Suzuki F, Yoshida A. Role of prorenin in the pathogenesis of retinal neovascularization. *Hokkaido Igaku Zasshi*. 83:159-65, 2008.
 99. **Nagaoka T***, Kuo L, Yoshida A, Hein T. C-Reactive Protein Inhibits Endothelium-Dependent Nitric Oxide-Mediated Dilation of Retinal Arterioles via Enhanced Superoxide Production. *Invest Ophthalmol Vis Sci* 49:2053-60, 2008.
 100. **Nagaoka T***, Hein T, Yoshida A, Kuo L. Resveratrol, a Component of Red Wine, Elicits Dilation of Isolated Porcine Retinal Arterioles: Role of Nitric Oxide and Potassium Channels. *Invest Ophthalmol Vis Sci* 48: 4232-4239, 2007.
 101. Yokota H, **Nagaoka T**, Mori F, Hikichi T, Hosokawa H, Tanaka H, Ishida Y, Suzuki F, Yoshida A. Prorenin levels in retinopathy of prematurity. *Am J Ophthalmol*. 143:531-3, 2007.
 102. **Nagaoka T***, Hein T, Yoshida A, Kuo L. Simvastatin Elicits Dilation of Isolated Porcine Retinal Arterioles: Role of Nitric Oxide and Mevalonate-Rho Kinase Pathway. *Invest Ophthalmol Vis Sci* 48: 825-832, 2007.
 103. **Nagaoka T***, Sato E, Takahashi A, Yokohama S, Yoshida A. Retinal circulatory changes associated with interferon-induced retinopathy in patients with hepatitis C. *Invest Ophthalmol Vis Sci*. 48:368-375, 2007.
 104. Sugawara R, **Nagaoka T***, Kitaya N, Fujio N, Takahashi J, Takahashi A, Yokota H, Yoshida A. Choroidal blood flow in the foveal region in eyes with rhegmatogenous retinal detachment and scleral buckling procedures. *Br J Ophthalmol*. 90:1363-1365, 2006.
 105. Izumi N, **Nagaoka T***, Mori F, Sato E, Takahashi A, Yoshida A. Relation between plasma nitric oxide levels and diabetic retinopathy. *Jpn J Ophthalmol* 50:465-468, 2006.
 106. Mori F, Takahashi J, **Nagaoka T**, Abiko T, Hikichi T, Yoshida A. Inhibitory Effect of buccalamine on the increased leukocyte entrapment in the retinal microcirculation of diabetes rats. *Jpn J Ophthalmol* 50:377-379, 2006.
 107. **Nagaoka T***, Yoshida A. Noninvasive evaluation of wall shear stress on retinal microcirculation in humans. *Invest Ophthalmol Vis Sci* 47:1113-1119, 2006.
 108. **Nagaoka T***, Takahashi A, Sato E, Izumi N, Hein T, Kuo L, Yoshida A. Effect of systemic administration of statin on retinal circulation. *Arch Ophthalmol* 124:665-670, 2006.
 109. Minami Y, Ishiko S, Takai Y, Kato Y, Kagokawa H, Takamiya A, **Nagaoka T**, Kinouchi R, Yoshida A. Retinal changes in juvenile X-linked retinoschisis using three dimensional optical coherence tomography. *Br J Ophthalmol* 89:1663-1664, 2005.
 110. Yokota H, Mori F, Kai K, **Nagaoka T**, Izumi N, Takahashi A, Hikichi T, Yoshida A, Suzuki F, Ishida Y. Serum prorenin levels

- and diabetic retinopathy in type 2 diabetes: new method to measure serum level of prorenin using antibody activating direct kinetic assay. *Br J Ophthalmol* 89:871-873, 2005.
111. Yokota H, Mori F, **Nagaoka T**, Sugawara R, Yoshida A. Pulsatile ocular blood flow: changes associated with scleral buckling procedures. *Jpn J Ophthalmol* 49:162-165, 2005.
 112. **Nagaoka T**, Ishii Y, Takeuchi Y, Takahashi A, Sato E, Yoshida A. The relationship between the parameters of retinal circulation measured by a laser Doppler velocimetry and a marker of early systemic atherosclerosis. *Invest Ophthalmol Vis Sci* 46:420-425, 2005.
 113. **Nagaoka T**, Yoshida A. The effect of ocular warming on ocular circulation in healthy humans. *Arch Ophthalmol* 122:1477-81, 2004.
 114. **Nagaoka T**, Kitaya N, Sugawara R, Yokota H, Mori F, Hikichi T, Fujio N, Yoshida A. Alteration of choroidal circulation in the foveal region in patients with type 2 diabetes. *Br J Ophthalmol* 88:1060-1063, 2004.
 115. **Nagaoka T**, Takeyama Y, Kanagawa S, Sakagami K, Mori F, Yoshida A. Effect of hemodialysis on retinal circulation in patients with end-stage renal disease. *Br J Ophthalmol* 88:1026-1029, 2004.
 116. Sugawara R, Hikichi T, Kitaya N, Mori F, **Nagaoka T**, Yoshida A, Szabo C. Peroxynitrite decomposition catalyst, FP15, and poly(ADP-ribose) polymerase inhibitor, PJ34, inhibit leukocyte entrapment in the retinal microcirculation of diabetic rats. *Curr Eye Res* 29:11-16, 2004.
 117. Sato E, Sakamoto T, **Nagaoka T**, Mori F, Yoshida A. Role of nitric oxide in regulation of retinal blood flow during hypercapnia in cats. *Invest Ophthalmol Vis Sci* 44:4947-4953, 2003.
 118. Mori F, Yokota H, **Nagaoka T**, Konno S, Kagokawa H, Hikichi T, Yoshida A. Pulsatile ocular blood flow study: unaffected in type 2 diabetes mellitus. *Jpn J Ophthalmol* 47:621-622, 2003.
 119. Kitaya N, **Nagaoka T**, Hikichi T, Sugawara R, Fukui K, Ishiko S, Yoshida A. Features of abnormal choroidal circulation in central serous chorioretinopathy. *Br J Ophthalmol* 87:709-712, 2003.
 120. Yoshida A, Feke GT, Mori F, **Nagaoka T**, Fujio N, Ogasawara H, Konno S, Mcmeel JW. Reproducibility and clinical application of a newly developed stabilized retinal laser Doppler instrument. *Am J Ophthalmol* 135:356-61, 2003.
 121. **Nagaoka T**, Sakamoto T, Mori F, Sato E, Yoshida A. The effect of nitric oxide on retinal blood flow during hypoxia in cats. *Invest Ophthalmol Vis Sci* 43:3037-3044, 2002.
 122. **Nagaoka T**, Mori F, Yoshida A. Retinal artery response to acute systemic blood pressure increase during cold pressor test in humans. *Invest Ophthalmol Vis Sci* 43:1941-1945, 2002.
 123. Mori F, Hikichi T, **Nagaoka T**, Takahashi J, Kitaya N, Yoshida A. Inhibitory effect of losartan, an AT1 angiotensin II receptor antagonist, on increased leucocyte entrapment in retinal microcirculation of diabetic rats. *Br J Ophthalmol* 86:1172-4
 124. Mori F, Hikichi T, Takahashi J, **Nagaoka T**, Yoshida A. Dysfunction of active transport of blood-retinal barrier in patients with clinically significant macular edema in type 2 diabetes. *Diabetes Care* 2002;25:1248-1249, 2002.
 125. Yoshida A, Ogasawara H, Fujio N, Konno S, Ishiko S, Kitaya N, Kagokawa H., **Nagaoka T**, Hirokawa H. Comparison of short- and long-term effects of betaxolol and timolol on human retinal circulation. *Eye* 12:848-853, 1998.
 126. Yoshida A, Ishiko S, Akiba J, Kitaya N, **Nagaoka T**. Radiating retinal folds detected by scanning laser ophthalmoscopy using a diode laser in a dark-field mode in idiopathic macular holes. *Graefes Arch Clin Exp Ophthalmol* 236:445-450, 1998.
 127. Kitaya N, Yoshida A, Ishiko S, Mori F, Abiko T, Ogasawara H, Kato Y, **Nagaoka T**. Effect of timolol and UF-021 (a prostaglandin-related compound) on pulsatile ocular blood flow in normal volunteers. *Ophthalmic Res* 29:139-144, 1997.

Book Chapters

1. **Nagaoka T**, Ishiko S, Kitaya N, Yanagiya N, Yoshida A. Sensitivity of chorioretinal atrophic lesions in high myopia detected by scanning laser ophthalmoscope microperimetry. *Myopia Updates*. Springer Pub. T. Tokoro ed. 1997; 394-398.
2. Kitaya N, Ishiko S, Yoshida A, Mori F, Abiko T, Kagokawa H, **Nagaoka T**, Takeda M, Saito K. Gender Differences in Tree shrew Eyes with Growth and Experimental Myopia. *Myopia Updates*. Springer Pub. T. Tokoro ed. 1997; 331-335.
3. Ishiko S, Yoshida A, Kitaya N, Abiko T, Mori F, Kagokawa H, **Nagaoka T**, Takeda M, Saito K. *Myopia Updates*. Springer Pub. T. Tokoro ed. 1997; 325-330.

INVITED SPEAKER FOR INTERNATIONAL MEETING/SYMPOSIUM

1. The 8th International symposium on ocular pharmacology and therapeutics. 2009.12.3 (Rome, Italy)
"Inflammation and ocular circulation." (Invited symposium)
2. The 9th International symposium on ocular pharmacology and therapeutics.
2010.12.10 (Macao, China)
"Retinal circulation in diabetes." (Invited symposium)
3. Retinal Vessels as Biomarkers – Seeing the Development of Diabetes Complications Workshop, October 3-4, 2011 (Rockville, MD, USA)
"Retinal circulation in diabetes".
4. International Society for Eye Research (ISER), Berlin Germany, 2012.7.21-25
"The mechanism of autoregulation of retinal blood flow in response to changes in ocular perfusion pressure" (Invited symposium)
5. The Association for Research in Vision and Ophthalmology (ARVO), Orlando, USA, 2014.5.4-7
"Ocular blood flow in diabetic retinopathy". (Invited symposium)

5. World Ophthalmology Congress (WOC) 2014 (APAO 2014, 118th JOS), Tokyo, Japan, 2014.4.2-6.
"Laser Treatment for Diabetic Retinopathy". (Submitted Course: Treatment of Diabetic Retinopathy: from ABCs to updates)
6. Asia-ARVO 2015, Yokohama, Japan, 2015.2.16-19
"Evaluation of retinal blood flow using spectral-domain Doppler optical coherence tomography."(Symposium - OCT, Clinical Use and Future)
7. Association for Ocular Pharmacology and Therapeutics Meeting, Charleston, South Carolina, USA, 2015.3.1.
"Role of Neuronal Nitric Oxide Synthase in Regulating Retinal Blood Flow in Response to Flicker-Induced Hyperemia in Cats". (Session 10 - Ocular ischemia and blood flow)
8. 10th World Congress for Microcirculation, Kyoto, Japan, 2015.9.25-27.
"Mechanisms of the Neurovascular Coupling in the Retina: Role of Neuronal Nitric Oxide Synthase and Glial Cells in Regulating Retinal Blood Flow during Flicker-Induced Hyperemia".

Conference Abstracts

1. Junya Hanaguri, Ruri Sugiyama, Harumasa Yokota, Satoru Yamagami, Akifumi Kushiya, Seiyo Harino, **Taiji Nagaoka**. Flicker-induced retinal blood flow response in healthy individuals using Laser Speckle Flowgraphy. ARVO Annual Meeting Abstract 2024
2. Ruri Sugiyama, Junya Hanaguri, Harumasa Yokota, Akifumi Kushiya, Sakura Kushiya, Seiyo Harino, Satoru Yamagami, **Taiji Nagaoka**. Effect of intermittent fasting on retinal blood flow dysregulation in type 2 diabetic mice. ARVO Annual Meeting Abstract 2024
3. **Taiji Nagaoka**, Yasunari Ebuchi; Akifumi Kushiya; Daisuke Fukamachi; Harumasa Yokota; Satoru Yamagami; Yasuo Okumura. Relation between choroidal blood flow parameters and systemic atherosclerosis in patients with acute coronary syndrome ARVO Annual Meeting Abstract 2023
4. Junya Hanaguri; Ruri Sugiyama; Harumasa Yokota; Akifumi Kushiya; Sakura Kushiya; Akira Ohno; Koyo Takase; Satoru Yamagami; **Taiji Nagaoka**, Seiyo Harino. Roles of oxidative stress in the improvement of retinal blood flow dysregulation by novel therapeutic agents in type 2 diabetic mice. ARVO Annual Meeting Abstract 2023.
5. Junya Hanaguri; Akifumi Kushiya; Harumasa Yokota; Koyo Takase; Sakura Kushiya; Masahisa Watanabe; Akira Ono; Satoru Yamagami; **Taiji Nagaoka**. Beneficial effect of long-term administration of Febuxostat on retinal neurovascular coupling in type 2 diabetic mice. ARVO Annual Meeting Abstract 2022.
6. **Taiji Nagaoka**, Junya Hanaguri; Harumasa Yokota; Masahisa Watanabe; Satoru Yamagami. Retinal Blood Flow Dysregulation Precedes Neural Retinal Dysfunction in Type 2 Diabetic Mice. ARVO Annual Meeting Abstract 2021.
7. Harumasa Yokota; Hiroki Hayashi; Junya Hanaguri; Satoru Yamagami; Fumiaki Kushiya; Hironori Nakagami; **Taiji Nagaoka**. Effect of prorenin peptide vaccine on an early phase of diabetic retinopathy in murine model of type 2 diabetes mellitus. ARVO Annual Meeting Abstract 2021.
8. **Taiji Nagaoka**, Hirotsugu Hanazaki; Hiroyuki Nakashizuka; Hajime Onoe; Hiroshi Aso; Junya Hanaguri; MASAHISA WATANABE; Harumasa Yokota; Satoru Yamagami. Evaluation of ocular blood flow in response to induced systemic hyperoxia using a Laser Speckle Flowgraphylaser speckle flowgraphy in anesthetized pigs. ARVO Annual Meeting Abstract 2021.
9. Kengo Takahashi; **Taiji Nagaoka**, Tsuneaki Omae; Shinji Ono; Takayuki Kamiya; Akira Tanner; Akitoshi Yoshida. Thrombin causes biphasic regulation of vascular tone in porcine retinal arteries. ARVO Annual Meeting Abstract 2017.
10. Takayuki Kamiya; **Taiji Nagaoka**, Motofumi Kawai; Tsuneaki Omae; Seigo Nakabayashi; Shinji Ono; Kengo Takahashi; Akira Tanner; Akitoshi Yoshida. Ripasudil (K-115) elicits dilation of isolated porcine retinal arterioles. ARVO Annual Meeting Abstract 2017.
11. Youngseok Song, **Taiji Nagaoka**, Takafumi Yoshioka, Tomofumi Tani, Seigo Nakabayashi, Akitoshi Yoshida. The Role of Glial Cells in the Regulation of Retinal Microcirculation in Response to Modulations in Systemic Oxygen Tension in Cats. ARVO Annual Meeting Abstract 2015.
12. Tomofumi Tani, **Taiji Nagaoka**, Akitoshi Yoshida. ANALYSIS OF RETINAL BLOOD FLOW VELOCITY PROFILES USING SPECTRAL DOMAIN DOPPLER OPTICAL COHERENCE TOMOGRAPHY IN A PATIENT WITH TAKAYASU'S ARTERITIS. ARVO Annual Meeting Abstract 2015.
13. Akihiro Ishibazawa, **Taiji Nagaoka**, Atsushi Takahashi, Tsuneaki Omae, Tomofumi Tani, Kenji Sogawa, Harumasa Yokota, Akitoshi Yoshida. Clinical evaluation of vascular lesions in diabetic retinopathy using optical coherence tomography angiography. ARVO Annual Meeting Abstract 2015.
14. Tsuneaki Omae, **Taiji Nagaoka**, Akitoshi Yoshida. Effects of cigarette smoking on retinal circulation in patients with type 2 diabetes. ARVO Annual Meeting Abstract 2015.
15. Shinji Ono, **Taiji Nagaoka**, Tsuneaki Omae, Shinichi Otani, Akitoshi Yoshida. Evaluation of Molecular Mechanism of Retinal Neurovascular Coupling Using Isolated Porcine Retinal Arterioles. ARVO Annual Meeting Abstract 2015.
16. **Taiji Nagaoka**, Eiichi Sato, Atsushi Takahashi, Tsuneaki Omae, Kenji Sogawa, Akitoshi Yoshida. Evaluation of Retinal Microcirculation in Patients with Type 1 Diabetes Mellitus using a laser Doppler velocimetry. ARVO Annual Meeting Abstract 2015.
17. Tsugiaki Utsunomiya¹, **Taiji Nagaoka**¹, Kazuomi Hanada², Tsunaki Omae¹, Harumasa Yokota¹, Akitoshi Yoshida. Imaging of corneal sub-basal whorl-like nerve plexus in diabetes patients using in vivo corneal confocal microscopy. ARVO Annual Meeting Abstract 2015.
18. Akito Shimouchi¹, Harumasa Yokota¹, Chiemi Matsumoto¹, Akira Takamiya¹, **Taiji Nagaoka**¹, Akitoshi Yoshida. Quantitative morphometry of microglia in retinal inflammation. ARVO Annual Meeting Abstract 2015.
19. Akihiro Ishibazawa, **Taiji Nagaoka**, Yoshiro Minami and Akitoshi Yoshida. ASSESSMENT OF CHOROIDAL THICKNESS BEFORE AND AFTER HEMODIALYSIS IN PATIENTS WITH AND WITHOUT DIABETES. ARVO Annual Meeting Abstract 2014.
20. Takayuki Kamiya, **Taiji Nagaoka**, Tsuneaki Omae, Shinji Ono, Shinichi Otani and Akitoshi Yoshida. Benzo(e)Pyrene, a Toxic Element in Cigarette Smoke, Inhibits Endothelium-Dependent Nitric Oxide-Mediated Dilation of Porcine Retinal Arterioles Via Enhanced Superoxide Production. ARVO Annual Meeting Abstract 2014.
21. Shinji Ono, **Taiji Nagaoka**, Tsuneaki Omae, Takayuki Kamiya, Shinichi Otani and Akitoshi Yoshida. Dipeptidyl Peptidase-4 Impairs Endothelial-Dependent Relaxation of Porcine Retinal Arterioles. ARVO Annual Meeting Abstract 2014.
22. **Taiji Nagaoka**, Tomofumi Tani, Akihiro Ishibazawa, Seigo Nakabayashi, Tsuneaki Omae, Kenji Sogawa and Akitoshi Yoshida. EVALUATION OF RETINAL BLOOD FLOW VELOCITY PROFILES USING SPECTRAL-DOMAIN DOPPLER OPTICAL COHERENCE TOMOGRAPHY IN HEALTHY SUBJECTS. ARVO Annual Meeting Abstract 2014.
23. Tomofumi Tani, **Taiji Nagaoka**, Seigo Nakabayashi, Akihiro Ishibazawa, Kenji Sogawa, Youngseok Song, Tsuneaki Omae and Akitoshi Yoshida. Evaluation of Retinal Venous Blood Flow Velocity Profiles at arteriovenous crossing Using Spectral-Domain Doppler Optical Coherence Tomography in Healthy Young Subjects. ARVO Annual Meeting Abstract 2014.
24. Shinichi Otani, **Taiji Nagaoka**, Tsuneaki Omae, Shinji Ono, Takayuki Kamiya and Akitoshi Yoshida. HISTAMINE ELICITS DILATION OF ISOLATED PORCINE RETINAL ARTERIOLES. ARVO Annual Meeting Abstract 2014.
25. Tomofumi Tani, **Taiji Nagaoka**, Takafumi Yoshioka, Akitoshi Yoshida. Measurement Of Retinal Blood Flow and Retinal Oxygen Tension During Acute Decreasing Systemic Blood Pressure In Cats. ARVO Annual Meeting Abstract 2013.

26. **Taiji Nagaoka**, Tomofumi Tani, Eiichi Sato, Takafumi Yoshioka, Kenji Sogawa, Seigo Nakabayashi, Akitoshi Yoshida. Measurement of Retinal Blood Flow Using a Newly Developed Doppler Fourier-Domain Optical Coherence Tomography Instruments in Cats. ARVO Annual Meeting Abstract 2013.
27. Takayuki Kamiya, **Taiji Nagaoka**, Tsuneaki Omae, Shinji Ono, Akitoshi Yoshida. Sphingosine 1-phosphate elicits constriction of isolated porcine retinal arterioles. ARVO Annual Meeting Abstract 2013.
28. Kengo Takahashi, **Taiji Nagaoka**, Akihiro Ishibazawa, Kenji Sogawa, Akitoshi Yoshida. Impaired Vascular Endothelial Function in Patients with Diabetic Macular Edema. ARVO Annual Meeting Abstract 2013.
29. Akihiro Ishibazawa, **Taiji Nagaoka**, Kengo Takahashi, Atsushi Takahashi, Harumasa Yokota, Akitoshi Yoshida. Association between Diabetic Macular Edema and Chronic Kidney Disease in Patients with Type 2 Diabetes. ARVO Annual Meeting Abstract 2013.
30. Shinji Ono, **Taiji Nagaoka**, Tsuneaki Omae, Takayuki Kamiya, Akitoshi Yoshida Effects of Prostacyclin on Isolated Porcine Retinal Arterioles: Cross-Talk between Nitric Oxide and Prostacyclin. ARVO Annual Meeting Abstract 2013.
31. Akitoshi Yoshida, **Taiji Nagaoka**, Tomofumi Tani, Eiichi Sato, Takafumi Yoshioka, Kenji Sogawa, Seigo Nakabayashi. Measurement of Retinal Blood Flow Velocity Using a Newly Developed Doppler Fourier-Domain Optical Coherence Tomography Instruments in Humans. ARVO Annual Meeting Abstract 2013.
32. Takafumi Yoshioka, **Taiji Nagaoka**, Akitoshi Yoshida. Effect of Nitric Oxide on Increased Retinal Blood Flow in Response to Flicker Stimuli in Cats. ARVO Annual Meeting Abstract 2013.
33. Harumasa Yokota, **Taiji Nagaoka**, Eiichi Sato, Atsushi Takahashi, Akitoshi Yoshida. The Serum Levels of Prorenin in Non-Diabetic Subjects. ARVO2012.
34. Akihiro Ishibazawa, **Taiji Nagaoka**, Harumasa Yokota, Youngseok Song, Akitoshi Yoshida. Low Shear Stress Up-Regulates Pro-Inflammatory Gene Expression in Human Retinal Microvascular Endothelial Cells. ARVO2012.
35. Atsushi Takahashi, Akitoshi Yoshida, **Taiji Nagaoka**, Akira Takamiya, Eiichi Sato, Hiroyuki Kagokawa, Daiki Kameyama, Kenji Sogawa, Satoshi Ishiko, Hiroyuki Hirokawa. Idiopathic Full-Thickness Macular Holes and the Vitreomacular Interface; A Spectral-Domain Optical Coherence Tomography Study. ARVO2012.
36. Takayuki Kamiya, **Taiji Nagaoka**, Tsuneaki Omae, Ichiro Tanano, Shinji Ono, Akitoshi Yoshida. Sphingosine 1-Phosphate (S1P) Elicits Constriction of Isolated Porcine Retinal Arterioles by Activation of the Rho/ROCK Pathway. ARVO2012.
37. **Taiji Nagaoka**, Tsuneaki Omae, Ichiro Tanano, Akitoshi Yoshida. Homocysteine Inhibits Endothelial-dependent Nitric Oxide-mediated Dilation Of Retinal Arterioles Via Enhanced Superoxide Production. ARVO2012.
38. Eiichi Sato, **Taiji Nagaoka**, Atsushi Takahashi, Kenji Sogawa, Tsuneaki Omae, Seigo Nakabayashi, Akitoshi Yoshida. Effect of Aging on the Retinal Arterial Stiffness in Healthy Subjects. ARVO2012.
39. Ichiro Tanano, **Taiji Nagaoka**, Tsuneaki Omae, Takayuki Kamiya, Shinji Ono, Akitoshi Yoshida. Dilation of Porcine Retinal Arterioles via a cAMP/Protein Kinase A and AMP-Activated Protein Kinase-Dependent Mechanism with Cilostazol. ARVO2012.
40. Takafumi Yoshioka, Seigo Nakabayashi, **Taiji Nagaoka**, Tomofumi Tani, Akitoshi Yoshida. Effect of Intravitreal Rho Kinase Inhibitors on Retinal Microcirculation in Cats. ARVO2012.
41. Kenji Sogawa, **Taiji Nagaoka**, Tomofumi Tani, Ichiro Tanano, Tsuneaki Omae, Akitoshi Yoshida. Relationship between Subfoveal Choroidal Thickness and Choroidal Circulation in Response to Increased Systemic Blood Pressure Induced by Cold Pressure Test. ARVO2012.
42. Tomofumi Tani, **Taiji Nagaoka**, Seigo Nakabayashi, Kenji Sogawa, Akitoshi Yoshida. Mechanisms of Autoregulation of Retinal blood flow in Response to Decreased Ocular Perfusion Pressure in Cats; Comparison of Increased Intraocular Pressure and Decreased Systemic Blood Pressure. ARVO2012.
43. **Taiji Nagaoka**, Eiichi Sato, Kenji Sogawa, Atsushi Takahashi, Akitoshi Yoshida. Relationship Between Retinal Fractal Dimensions And Retinal Circulation In Patients With Type 2 Diabetes Mellitus. ARVO 2011.
44. Seigo Nakabayashi, **Taiji Nagaoka**, Tomofumi Tani, Kenji Sogawa, Akitoshi Yoshida. Effect of Acute Increase in Systemic Blood Pressure on Retinal Microcirculation in Cats: Role of Nitric Oxide, Prostanoids, Endothelin, and Rho Kinase. ARVO 2011.
45. Tomofumi Tani, **Taiji Nagaoka**, Seigo Nakabayashi, Kenji Sogawa, Akitoshi Yoshida.
46. Retinal Artery Response To Decreasing Ocular Perfusion Pressure In Cats. ARVO 2011.
47. Kenji Sogawa, **Taiji Nagaoka**, Atsushi Takahashi, Ichirou Tanano, Tomofumi Tani, Seigo Nakabayashi, Akihiro Ishibazawa, Akitoshi Yoshida. Relationship Between Choroidal Thickness And Choroidal Circulation In Normal Subjects. ARVO 2011.
48. Eiichi Sato, **Taiji Nagaoka**, Hiroyuki Kagokawa, Akira Takamiya, Kenji Sogawa, Daiki Kameyama, Nobuhito Ishii, Akitoshi Yoshida. Retinal Blood Flow In Response To Intravitreal Injection Of Ranibizumab For Patients With Polypoidal Choroidal Vasculopathy. ARVO 2011.
49. Ichiro Tanano, **Taiji Nagaoka**, Tsuneaki Omae, Shinichi Otani, Akitoshi Yoshida. Unoprostone Isopropyl Elicits Dilation Of Isolated Porcine Arterioles. ARVO 2011.
50. Tsuneaki Omae, **Taiji Nagaoka**, Ichiro Tanano, Shinichi Otani, Takayuki Kamiya, Akitoshi Yoshida, Fenofibrate Elicits Dilation Of Isolated Porcine Arterioles. ARVO 2011.
51. Harumasa Yokota, Subhadra P. Narayanan, Wenbo Zhang, Zhimin Xu, Tahira Lemtalsi, **Taiji Nagaoka**, Akitoshi Yoshida, Robert W. Caldwell, Ruth B. Caldwell. Deletion of NADPH Oxidase 2 Prevents Ganglion Cell Loss in the Retina after Ischemia Reperfusion Injury. ARVO 2011.
52. A. Takahashi, **T. Nagaoka**, H. Kagokawa, Y. Kato, A. Takamiya, E. Sato, S. Ishiko, A. Yoshida. Macular Hole Development in Fellow Eyes of Patients with a Unilateral Macular Hole: An Optical Coherence Tomography Study. ARVO 2010
53. I. Tanano, **Taiji Nagaoka**, T. Tani, T. Omae, A. Ishibazawa, K. Sogawa, S. Nakabayashi, A. Yoshida. Impaired Systemic Endothelial Function in Patients With Branch Retinal Vein Occlusion. ARVO 2010, Poster Session. 462. 4738/D1076.
54. S. Nakabayashi, **Taiji Nagaoka**, T. Tani, K. Sogawa, A. Yoshida. Retinal Artery Response to Acute Extreme Blood Pressure Elevation With Inflation of Balloon Catheter in Cats. ARVO 2010, Poster Session. 479. 5009/D857.
55. K. Sogawa, **Taiji Nagaoka**, A. Takahashi, T. Tani, I. Tanano, T. Omae, S. Nakabayashi, A. Ishibazawa, A. Yoshida. Association Between Diabetic Retinopathy and Flow- Mediated Vasodilation in Type 2 Diabetes. ARVO 2010, Poster Session 479.

56. T. Omae, **Taiji Nagaoka**, I. Tanano, A. Yoshida. Pioglitazone Elicits Dilation of Isolated Porcine Arterioles. ARVO 2010, Poster Session. 479. 5029/D877.
57. E. Sato, **Taiji Nagaoka**, H. Yokota, A. Takahashi, A. Yoshida. Correlation Between Plasma Pentosidine Concentrations and Retinal Hemodynamics in Patients With Type 2 Diabetes. ARVO 2010, Poster Session 480. 5069/D1000.
58. T. Tani, **Taiji Nagaoka**, H. Yokota, A. Takahashi, K. Sogawa, T. Omae, S. Nakabayashi, I. Tanano, A. Ishibazawa, A. Yoshida. Effect of Systemic Hypertension and Dyslipidemia on the Relationship Between Serum Prorenin and Retinal Blood Flow in Type 2 Diabetes Patients. ARVO 2010, Poster Session. 480. 5071/D1002.
59. A. Takahashi, **Taiji Nagaoka**, E. Sato, A. Yoshida. Effect of Panretinal Photocoagulation on Pulsatile Ocular Blood Flow in Patients With Proliferative Diabetic Retinopathy Invest Ophthalmol Vis Sci 2008; E-Abstract 2740.
60. H. Yokota1, **Taiji Nagaoka** 1, A. Takahashi1, E. Sato2, A. Yoshida1. Reduced Compliance of the Retinal Arteriolar Circulation With Increased Serum Prorenin in Patients With Type 2 Diabetes. Invest Ophthalmol Vis Sci 2008; E-Abstract 2741.
61. **Taiji Nagaoka**, A. Takahashi, H. Yokota, E. Sato, K. Sogawa, A. Yoshida. Change in Retinal Blood Flow Associated With Duration of Type 2 Diabetes Mellitus Invest Ophthalmol Vis Sci 2008; E-Abstract 3509.
62. K. Sogawa, **Taiji Nagaoka**, E. Sato, A. Takahashi, N. Izumi, A. Yoshida. Acute Hyperglycemia Induces the Endothelial Dysfunction of Retinal Arteries Invest Ophthalmol Vis Sci 2008; E-Abstract 5364.
63. Izumi, **Taiji Nagaoka**, E. Sato, K. Sogawa, H. Kagokawa, A. Takahashi, A. Kawahara, A. Yoshida. Role of Nitric Oxide in Regulation of Retinal Blood Flow in Response to Hyperoxia in Cats N. Invest Ophthalmol Vis Sci 2007; E-Abstract 871.
64. H. Yokota, **Taiji Nagaoka**, A. Takahashi, E. Sato, A. Yoshida. Relation Between Serum Levels of Prorenin and Retinal Circulation in Patients With Type 2 Diabetes Mellitus Without Retinopathy Invest Ophthalmol Vis Sci 2007; E-Abstract 3765.
65. A. Takahashi, E. Sato, **Taiji Nagaoka**, A. Yoshida. Effect of Topical Tafluprost on Retinal and Ocular Nerve Head Circulation in Normal Human Eyes. Invest Ophthalmol Vis Sci 2007; E-Abstract 2280.
66. **Taiji Nagaoka** 1,2, L. Kuo1, A. Yoshida2, T.W. Hein1. C-reactive Protein Inhibits Endothelium-Dependent Nitric Oxide-Mediated Dilation of Isolated Porcine Retinal Arterioles. Invest Ophthalmol Vis Sci 2007; E-Abstract 2271.
67. E. Sato, A. Takahashi, M. Kawai, **Taiji Nagaoka** A. Yoshida. Retinal Hemodynamics in Patients With Normal Tension Glaucoma Invest Ophthalmol Vis Sci 2007; E-Abstract 4396
68. Role of VEGFR2 in the Dilation of Retinal Arterioles to Increased Lumenal Flow R.H. Rosa, Jr., T.W. Hein, **Taiji Nagaoka**, W. Xu, Z. Yuan, L. Kuo. Invest Ophthalmol Vis Sci 2007; E-Abstract 6041.
69. **Taiji Nagaoka** Hein TW, Yoshida A, Kuo L. Simvastatin elicits vasodilation of retinal arterioles through nitric oxide syn these activation and cyclic GMP signaling pathway. Invest Ophthalmol Vis Sci 2006; E-Abstract 3765.
70. Takahashi A, **Taiji Nagaoka**, Sato E, Yoshida A. Effect of argon laser panretinal photocoagulation on choroidal circulation in the foveal region and worsening of macular edema in proliferative diabetic retinopathy. Invest Ophthalmol Vis Sci 2006; E-Abstract 1019.
71. Hein TW, Yuan Z, Xu W, Pechal MI, **Taiji Nagaoka**, Yoshida A, Kuo L. Functional and molecular characterization of the endothelin system in retinal arterioles. Invest Ophthalmol Vis Sci 2006; E-Abstract 1719.
72. Yokota H, Takamiya A, **Taiji Nagaoka**, Kitaya N, Mori F, Hikichi T, Yoshida A, Ishida Y, Suzuki F. A peptide corresponding to handle region for nonproteolytic activation of prorenin inhibits retinal neovascularization in a retinopathy of prematurity model. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 4108.
73. Minami Y, Ishiko S, Takai Y, Kato Y, Kagokawa A, Takamiya A, Takahashi J, **Taiji Nagaoka** Kinouchi R, Yoshida A. Retinal changes in juvenile X-linked retinoschisis using 3-dimentional optical coherence tomography. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 4087.
74. Takahashi A, **Nagaoka T**, Yokota H, Izumi N, Yoshida A. Effect of topical brinzolamide on retinal and choroidal circulation in normal human eyes. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 3929.
75. Izumi N, **Nagaoka T**, Sato E, Mori F, Yoshida A. Influence to retinal blood flow by mild ischemia reperfusion in cats. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 3901.
76. Kato Y, Ishiko S, Kagokawa H, Takamiya A, Takahashi J, **Nagaoka T**, Kinouchi R, Igarashi S, Fukui K, Yoshida A. Retinal and choroidal abnormalities in neurofibromatosis type 1 using 3-dimensional optical coherence tomography and scanning laser ophthalmoscopy. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 1544.
77. Sawaki W, Ishiko S, Kinouchi R, Kato Y, Kagokawa H, Takamiya A, Takahashi J, **Nagaoka T**, Igarashi S, Yoshida A. Retinal changes in Leber's idiopathic stellate neuroretinitis using 3-dimentional optical coherence tomography. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 1541.
78. **Nagaoka T**, Takahashi A, Izumi N, Sato E, Mori F, Kagokawa H, Kato Y, Kinouchi R, Ishiko S, Yoshida A. Evaluation of factors on retinal circulation in patients with type 2 diabetes using a laser Doppler velocimetry (LDV) system. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 382.
79. Ishiko S, Kagokawa H, Takamiya A, Takahashi J, Kato Y, **Nagaoka T**, Igarashi S, Kinouchi R, Fukui K, Yoshida A. Early visual acuity after photodynamic therapy and SLO micropertimetry. Invest Ophthalmol Vis Sci 2005;46:E-Abstract 306.
80. **Nagaoka T**, Sato E, Takahashi A, Izumi N, Fukui K, Yoshida A. Alteration of retinal circulation in patients with type 2 diabetes by a laser Doppler velocimetry system. Invest Ophthalmol Vis Sci 2004;45:S4083.
81. Takahashi A, **Nagaoka T**, Sato E, Yokota H, Sugawara R, Yoshida A. Effect of topical bunazosin hydrochloride on retinal and choroidal circulation in normal human eyes. Invest Ophthalmol Vis Sci 2004;45:S2612.
82. **Nagaoka T**, Sato E, Takahashi A, Yoshida A. New system to evaluate wall shear stress on retinal vessel using a retinal laser Doppler velocimetry system. Invest Ophthalmol Vis Sci 2003;44:S340.
83. Sato E, **Nagaoka T**, Takahashi A, Yoshida A. Effect of interferon on ocular blood flow. Invest Ophthalmol Vis Sci 2003;44:S361.
84. Takahashi A, **Nagaoka T**, Sato E, Yoshida A. Effect of argon laser scatter retinal photocoagulation on choroidal blood flow in the foveal region in proliferative diabetic retinopathy. Invest Ophthalmol Vis Sci 2003;44:S3985.
85. Sugawara R, Hikichi T, Kitaya N, Mori F, **Nagaoka T**, Yoshida A, Szabo C. Poly (ADP-Ribose) polymerase inhibitor (PJ34) inhibits leukocyte entrapment in the retinal microcirculation of diabetic rats. Invest Ophthalmol Vis Sci 2003;44:S3898.
86. **Nagaoka T**, Sugawara R, Kitaya N, Yokota H, Mori F, Fujio N, Yoshida A. Choroidal blood flow in foveal region in type 2 diabetes mellitus. Invest Ophthalmol Vis Sci 2002;43:S548.

87. Igarashi S, Izumi N, **Nagaoka T.** Yokota H, Mori F, Yoshida A. Plasma nitric oxide levels in diabetic patients. Invest Ophthalmol Vis Sci 2002;43:S554.
88. Yokota H, Mori F, **Nagaoka T.** Yoshida A. Pulsatile ocular blood flow study: changes after scleral buckling procedure. Invest Ophthalmol Vis Sci 2002;43:S624.
89. Sugawara R, **Nagaoka T.** Kitaya N, Fujio N, Takahashi J, Yokota H, Yoshida A. Choroidal blood flow in the foveal region in eyes with rhegmatogenous retinal detachment and scleral buckling procedures. Invest Ophthalmol Vis Sci 2002;43:S627.
90. **Nagaoka T.** Ogasawara H, Fujio N, Mori F, Konno S, Kagokawa H, Sato E, Yoshida A. The response of retinal artery to an acute increase induced by cold pressure test in healthy volunteers. Invest Ophthalmol Vis Sci 2001;42:S86.
91. **Nagaoka T.** Yoshida A, Mori F, Kagokawa H, Sato E, Sakamoto T. Effect of intravitreal injection of NG-nitro-L-arginine methylester on retinal blood flow during hypoxia. Invest Ophthalmol Vis Sci 2000;41:S549.
92. **Nagaoka T.** Kagokawa H, Mori F, Ogasawara H, Takamiya A, Takakusaki K, Sakamoto T, Yoshida A. Autoregulation of retinal blood flow in cats using a new laser Doppler velocimetry system. Exp Eye Res 1999;67:S198.