

CURRICULUM VITAE

NAME Kohji Nishida, M.D., Ph.D.
TITLE Professor and Chairman
DATE & PLACE of BIRTH September 12, 1962
Osaka, JAPAN
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NATIONALITY Japanese



PRESENT POSITION Professor and Chairman of Department of Ophthalmology
Osaka University Graduate School of Medicine

RESEARCH FOCUS

1. Tissue engineering and regenerative medicine for corneal diseases
 - 1) Development of tissue-engineered epithelial cell sheet comprising autologous oral mucosal epithelium for ocular surface regeneration
 - 2) Development of corneal endothelial tissue engineering
 - 3) Development of Artificial corneal stroma
2. Stem cell biology:
Study on tissue stem cells and pluripotent stem cells (Es and iPS cells)
3. Molecular biology of the cornea
 - 1) Compiling gene expression profile of human corneal and conjunctival epithelium
 - 2) Cloning human keratin 12 cDNA and genomic DNA
 - 3) Molecular genetics of corneal dystrophy Identification of gene responsible Meesman corneal dystrophy (keratn 12) and macular corneal dystrophy (CHST6)

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EDUCATION

1982-1984 Osaka University Faculty of Medicine, Pre-Med
1984-1988 Osaka University Graduate School of Medicine, M.D.
1997 Osaka University Graduate School of Medicine, Ph.D.

ACADEMIC APPOINTMENTS

1988-1989 Resident in Ophthalmology, Osaka University Graduate school of Medicine
1989-1992 Staff Surgeon in Ophthalmology, Osaka Koseinenkin Hospital
1992-1998 Senior Staff in Ophthalmology, Kyoto Prefectural University of Medicine (Prof)
1998-2000 Research associate in Genetics Department, the Salk Institute, San Diego, U.S.A. (Professor Fred H. Gage's Lab): Research in neural stem cell biology and gene therapy using lenti-viral vector
2000-2001 Senior Staff in Ophthalmology, Osaka University Graduate school of Medicine
2001-2004 Assistant Professor in Ophthalmology, Osaka University Graduate school of Medicine
2004-2005 Associate Professor in Ophthalmology, Osaka University Graduate school of Medicine
2006-2010 Professor and Chairman in Ophthalmology and Visual Science, Tohoku University Graduate School of Medicine
2010-present Professor and Chairman in Ophthalmology, Osaka University Graduate School of Medicine
2012-present Advisor to the Dean in Osaka University Graduate School of Medicine
2013-present Advisor to the Trustees in Osaka University
2010-2015 Director, Data Coordinating Center, Department of Medical Innovation Osaka University Hospital

2015-present Director, Medical Center for Translational and Clinical Research Osaka University Hospital

EDITORIAL ACTIVITIES

Editorial Board Member of American Journal of Ophthalmology (2008-)
Editorial Board Member of Japanese Journal of Ophthalmology (2011-)
Editorial Board Member of Scientific Reports, Nature Publishing Group (2014-)

AWARDS

1997 The ROHTO Award (¥2,500,000)
1998 Japanese Ophthalmology Society Award (¥300,000)
2005 ALON Institute Research AWARD (\$100,000)
2006 Pfizer Ophthalmic Award Japan
2009 Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology

NAMED (HONORARY) LECTURES

1997.1.31 The ROHTO Award Lecture
1998.4.11.14 Japanese Ophthalmology Society Award Lecture
2011.5.11 Alcon Research Institute Symposium in tribute to Steven Podos
2014.2.20 The Cornea, Biology & Pathobiology of the Gordon Research Conference
2014.11.14 The 68th Annual Congress of Japan Clinical Ophthalmology
2015.4.17 Councilors Nominated Lectures in the 119th Annual Meeting of the Japanese Ophthalmological Society
The 119th Annual Meeting of the Japanese Ophthalmological Society

SERVICE TO ORGANIZATIONS

President of Japan Cornea Society (2013.3-2015.2)
President of Member of keratoplasty Society of Japan (2014.10 - present)
Council member of Asia Cornea Society
Council member of Japanese Society of Regenerative Medicine
Council member of Japan Contact Lens Society
Council of Japanese Ophthalmological Society
Organizing committee member of Japanese Association for Infectious Diseases
Organizing committee member of Japanese Society for Biomaterials
Faculty Member of ARVO (Association for Research in Vision & Ophthalmology)
Member of Japanese Ophthalmological Society
Member of Japan Cornea Society
Member of Japanese Society of Ophthalmic Surgeons
Member of Japan Contact Lens Society
Member of Japanese Society of Regenerative Medicine
Member of Japanese Society of Inflammation and Regeneration
Member of Japanese Society for Biomaterials
Member of Japan Society of Gene therapy
Member of AAO (American Academy of Ophthalmology)
Member of ASCRS (American Society for Cataract and Refractive Surgery)
Member of ICER (International Society for Eye Research)
Member of ASGT (American Society of Gene Therapy)

Peer-reviewed Original Articles in English

1. Duncan TJ, Baba K, Oie Y, [Nishida K](#). A novel method using quantum dots for testing the barrier function of cultured epithelial cell sheets. *Invest Ophthalmol Vis Sci*. 2015. [Epub ahead of print]
2. Kageyama T1, Hayashi R, Hara S, Yoshikawa K, Ishikawa Y, Yamato M, [Nishida K](#). Spontaneous acquisition of infinite proliferative capacity by a rabbit corneal endothelial cell line with maintenance of phenotypic and physiological characteristics. *J Tissue Eng Regen Med*. 2015. [Epub ahead of print]
3. Kawashima R, Matsushita K, Fujimoto H, Maeda N, [Nishida K](#). Air Pressure-induced Iridocornea Contact in a Patient With Primary Angle Closure Observed With a Dynamic Scheimpflug Analyzer. *J Glaucoma*. 2015. [Epub ahead of print]
4. Kojima Y, Inoue T, Hori Y, Maeda N, [Nishida K](#). Unilateral Variant of Late-Onset Lattice Corneal Dystrophy With the Pro501Thr Mutation in the TGFB1 Gene Without Deposits in the Unaffected Cornea Using Confocal Microscopy. *Cornea*. 2013. [Epub ahead of print]
5. Miki A, Endo T, Morimoto T, Matsushita K, Fujikado T, [Nishida K](#). Retinal nerve fiber layer and ganglion cell complex thicknesses measured with spectral-domain optical coherence tomography in eyes with no light perception due to nonglaucomatous optic neuropathy. *Jpn J Ophthalmol*. 2015. [Epub ahead of print]
6. Nagahara Y, Koh S, Maeda N, [Nishida K](#), Watanabe H. Prominent Decrease of Tear Meniscus Height With Contact Lens Wear and Efficacy of Eye Drop Instillation. *Eye Contact Lens*. 2015. [Epub ahead of print]
7. Nishida K, Sakaguchi H, Kamei M, Cecilia-Gonzalez C, Terasawa Y, Velez-Montoya R, Fujikado T, Sanchez-Fontan R, Ozawa M, Quiroz-Mercado H, [Nishida K](#). Visual Sensation by Electrical Stimulation Using a New Direct Optic Nerve Electrode Device. *Brain Stimul*. 2015. [Epub ahead of print]
8. Tsuboi K, Nakai K, Iwahashi C, Gomi F, Ikuno Y, [Nishida K](#). Analysis of choroidal folds in acute Vogt-Koyanagi-Harada disease using high-penetration optical coherence tomography. *Graefes Arch Clin Exp Ophthalmol*. 2015;253(6):959-64.
9. Iwahashi C, Okuno K, Hashida N, Nakai K, Ohguro N, [Nishida K](#). Incidence and clinical features of recurrent Vogt-Koyanagi-Harada disease in Japanese individuals. *Jpn J Ophthalmol*. 2015;59(3):157-63.
10. Yoshihara M, Ohmiya H, Hara S, Kawasaki S; FANTOM consortium, Hayashizaki Y, Itoh M, Kawaji H, Tsujikawa M, [Nishida K](#). Correction: Discovery of Molecular Markers to Discriminate Corneal Endothelial Cells in the Human Body. *PLoS One*. 2015;10(5):e0129412.
11. Goto S, Sayanagi K, Ikuno Y, Jo Y, Gomi F, [Nishida K](#). Comparison Of Visual Prognoses Between Natural Course Of Simple Hemorrhage and Choroidal Neovascularization Treated with Intravitreal Bevacizumab in Highly Myopic Eyes : A 1-Year Follow-up. *Retina*. 2014.
12. Kamei M, [Nishida K](#). Reperfusion of Areas of Ischemia in Central Retinal Vein Occlusion-Reply. *JAMA Ophthalmol*. 2014. [Epub ahead of print]
13. Koh S, Ikeda C, Watanabe S, Oie Y, Soma T, Watanabe H, Maeda N, [Nishida K](#). Effect of non-invasive tear stability assessment on tear meniscus height. *Acta Ophthalmol*. 2014.
14. Koizumi N, Inatomi T, Suzuki T, Shiraishi A, Ohashi Y, Kandori M, Miyazaki D, Inoue Y, Soma T, [Nishida K](#), Takase H, Sugita S, Mochizuki M, Kinoshita S; for the Japan Corneal Endotheliitis Study Group. Clinical features and management of cytomegalovirus corneal endotheliitis: analysis of 106 cases from the Japan corneal endotheliitis study. *Br J Ophthalmol*. 2014.
15. Sayanagi K, Gomi F, Akiba M, Sawa M, Hara C, [Nishida K](#). En-face high-penetration optical coherence tomography imaging in polypoidal choroidal vasculopathy. *Br J Ophthalmol*. 2014.
16. Yoshihara M, Maeda N, Soma T, Fuchihata M, Hayashi A, Koh S, Oie Y, [Nishida K](#). Corneal Topographic Analysis of Patients With Mooren Ulcer Using 3-Dimensional Anterior Segment Optical Coherence Tomography. *Cornea*. 2014.
17. Koh S, Maeda N, Ikeda C, Oie Y, Soma T, Tsujikawa M, Watanabe H, [Nishida K](#). Effect of diquafosol ophthalmic solution on the optical quality of the eyes in patients with aqueous-deficient dry eye. *Acta Ophthalmol*. 2014;92(8):e671-5.
18. Maeda N, Ueki R, Fuchihata M, Fujimoto H, Koh S, [Nishida K](#). Corneal biomechanical properties in 3 corneal transplantation techniques with a dynamic Scheimpflug analyzer. *Jpn J Ophthalmol*. 2014;58(6):483-9.
19. Oie Y, [Nishida K](#). Translational research on ocular surface reconstruction using oral mucosal epithelial cell sheets. *Cornea*. 2014;33 Suppl 11:S47-52.
20. Oshika T, Amano S, [Nishida K](#), Saika S, Fukushima A. "Another stimulating meeting on basic and clinical corneal research," 19th annual meeting of the kyoto cornea club, november 29-30, 2013.

Cornea. 2014;33 Suppl 11:S1-2.

21. Sakimoto S, Kamei M, Sakaguchi H, Suzuki M, Matsumura N, Nishida K, Nishida K. Direct photocoagulation to leakage points to treat chronic macular edema associated with branch retinal vein occlusion: a pilot study. *Clin Ophthalmol*. 2014;8:2055-60.
22. Sakimoto S, Ikuno Y, Fujimoto S, Sakaguchi H, Nishida K. Characteristics of the retinal surface after internal limiting membrane peeling in highly myopic eyes. *Am J Ophthalmol*. 2014;158(4):762-8.e1.
23. Soma T, Hayashi R, Sugiyama H, Tsujikawa M, Kanayama S, Oie Y, Nishida K. Maintenance and distribution of epithelial stem/progenitor cells after corneal reconstruction using oral mucosal epithelial cell sheets. *PLoS One*. 2014;9(10):e110987.
24. Fujikado T, Ninomiya S, Kobayashi T, Suzaki A, Nakada M, Nishida K. Effect of low-addition soft contact lenses with decentered optical design on myopia progression in children: a pilot study. *Clin Ophthalmol*. 2014;8:1947-56.
25. Hara S, Hayashi R, Soma T, Kageyama T, Duncan T, Tsujikawa M, Nishida K. Identification and potential application of human corneal endothelial progenitor cells. *Stem Cells Dev*. 2014;23(18):2190-201.
26. Koh S, Maeda N, Ikeda C, Asonuma S, Mitamura H, Oie Y, Soma T, Tsujikawa M, Kawasaki S, Nishida K. Ocular forward light scattering and corneal backward light scattering in patients with dry eye. *Invest Ophthalmol Vis Sci*. 2014;55(10):6601-6.
27. Maeda N, Nakagawa T, Higashiura R, Fuchihata M, Koh S, Nishida K. Evaluation of corneal epithelial and stromal thickness in keratoconus using spectral-domain optical coherence tomography. *Jpn J Ophthalmol*. 2014;58(5):389-95.
28. Sakimoto S, Sakaguchi H, Ohji M, Gomi F, Ikuno Y, Fujikado T, Kamei M, Nishida K. Consecutive case series with long-term follow-up of full macular translocation for myopic choroidal neovascularisation. *Br J Ophthalmol*. 2014;98(9):1221-5.
29. Koh S, Maeda N, Hamada T, Nishida K. Efficacy of spherical aberration correction based on contact lens power. *Cont Lens Anterior Eye*. 2014;37(4):273-7.
30. Sugiyama H, Yamato M, Nishida K, Okano T. Evidence of the survival of ectopically transplanted oral mucosal epithelial stem cells after repeated wounding of cornea. *Mol Ther*. 2014;22(8):1544-55.
31. Uchihori H, Nakai K, Ikuno Y, Gomi F, Hashida N, Jo Y, Nishida K. Choroidal observations in posterior scleritis using high-penetration optical coherence tomography. *Int Ophthalmol*. 2014;34(4):937-43.
32. Fujimoto H, Maeda N, Soma T, Oie Y, Koh S, Tsujikawa M, Nishida K. Quantitative regional differences in corneal endothelial abnormalities in the central and peripheral zones in Fuchs' endothelial corneal dystrophy. *Invest Ophthalmol Vis Sci*. 2014;55(8):5090-8.
33. Hashida N, Fok A, Nishida K. Choroidal excavation in vogt-koyanagi-harada disease. *Case Rep Ophthalmol*. 2014;5(2):222-5.
34. Sawa M, Gomi F, Hara C, Nishida K. Effects of a lutein supplement on the plasma lutein concentration and macular pigment in patients with central serous chorioretinopathy. *Invest Ophthalmol Vis Sci*. 2014;55(8):5238-44.
35. Jo Y, Ikuno Y, Iwamoto R, Okita K, Nishida K. Choroidal thickness changes after diabetes type 2 and blood pressure control in a hospitalized situation. *Retina*. 2014;34(6):1190-8.
36. Suzuki M, Gomi F, Hara C, Sawa M, Nishida K. Characteristics of central serous chorioretinopathy complicated by focal choroidal excavation. *Retina*. 2014;34(6):1216-22.
37. Maeda N, Nakagawa T, Kosaki R, Koh S, Saika M, Fujikado T, Nishida K. Higher-order aberrations of anterior and posterior corneal surfaces in patients with keratectasia after LASIK. *Invest Ophthalmol Vis Sci*. 2014;55(6):3905-11.
38. Oie Y, Nozaki T, Takayanagi H, Hara S, Hayashi R, Takeda S, Mori K, Moriya N, Soma T, Tsujikawa M, Saito K, Nishida K. Development of a cell sheet transportation technique for regenerative medicine. *Tissue Eng Part C Methods*. 2014;20(5):373-82.
39. Hashida N, Nakai K, Saitoh N, Nishida K. Association between ocular findings and preventive therapy with onset of central nervous system involvement in patients with primary vitreoretinal lymphoma. *Graefes Arch Clin Exp Ophthalmol*. 2014;252(4):687-93.
40. Sawa M, Ueno C, Gomi F, Nishida K. Incidence and characteristics of neovascularization in fellow eyes of Japanese patients with unilateral retinal angiomatous proliferation. *Retina*. 2014;34(4):761-7.
41. Asao K, Gomi F, Sawa M, Nishida K. Additional anti-vascular endothelial growth factor therapy for eyes with a retinal pigment epithelial tear after the initial therapy. *Retina*. 2014;34(3):512-8.
42. Fuchihata M, Maeda N, Toda R, Koh S, Fujikado T, Nishida K. Characteristics of corneal topographic and pachymetric patterns in patients with pellucid marginal corneal degeneration. *Jpn J Ophthalmol*. 2014;58(2):131-8.
43. Kamei M, Matsumura N, Suzuki M, Sakimoto S, Sakaguchi H, Nishida K. Reperfusion of large ischemic areas associated with central retinal vein occlusion: a potential novel treatment with

- activated protein C. *JAMA Ophthalmol.* 2014;132(3):361-2.
44. Li Y, Inoue T, Takamatsu F, Kobayashi T, Shiraiishi A, Maeda N, Ohashi Y, Nishida K. Differences between niche cells and limbal stromal cells in maintenance of corneal limbal stem cells. *Invest Ophthalmol Vis Sci.* 2014;55(3):1453-62.
 45. Morimoto T, Kanda H, Miyoshi T, Hirohara Y, Mihashi T, Kitaguchi Y, Nishida K, Fujikado T. Characteristics of retinal reflectance changes induced by transcorneal electrical stimulation in cat eyes. *PLoS One.* 2014;9(3):e92186.
 46. Oie Y, Kamei M, Matsumura N, Fujimoto H, Soma T, Koh S, Tsujikawa M, Maeda N, Nishida K. Rigid gas-permeable contact lens-assisted cataract surgery in patients with severe keratoconus. *J Cataract Refract Surg.* 2014;40(3):345-8.
 47. Ueno C, Gomi F, Ikuno Y, Nakai K, Sawa M, Nishida K. Choroidal thickness in eyes with tilted disk syndrome. *Retina.* 2014;34(3):497-503.
 48. Koh S, Maeda N, Nishida K. Visualization of the meibomian glands by means of noncontact mobile-type meibography (Meibopen) in a 16-year-old girl with unilateral marginal staphylococcal keratitis. *J AAPOS.* 2014;18(1):99-101.
 49. Asai T, Ikuno Y, Nishida K. Macular microstructures and prognostic factors in myopic subretinal hemorrhages. *Invest Ophthalmol Vis Sci.* 2014;55(1):226-32.
 50. Baba K, Nishida K. Preparation of 1,4-bis(4-methylstyryl)benzene nanocrystals by a wet process and evaluation of their optical properties. *Nanoscale Res Lett.* 2014;9(1):16.
 51. Hagiwara K, Obayashi T, Sakayori N, Yamanishi E, Hayashi R, Osumi N, Nakazawa T, Nishida K. Molecular and cellular features of murine craniofacial and trunk neural crest cells as stem cell-like cells. *PLoS One.* 2014;9(1):e84072.
 52. Hashida N, Nakai K, Nishida K. Diagnostic evaluation of ocular toxocariasis using high-penetration optical coherence tomography. *Case Rep Ophthalmol.* 2014;5(1):16-21.
 53. Sayanagi K, Gomi F, Ikuno Y, Akiba M, Nishida K. Comparison of spectral-domain and high-penetration OCT for observing morphologic changes in age-related macular degeneration and polypoidal choroidal vasculopathy. *Graefes Arch Clin Exp Ophthalmol.* 2014;252(1):3-9.
 54. Kojima Y, Inoue T, Hori Y, Maeda N, Nishida K. Unilateral Variant of Late-Onset Lattice Corneal Dystrophy With the Pro501Thr Mutation in the TGFB1 Gene Without Deposits in the Unaffected Cornea Using Confocal Microscopy. *Cornea.* 2013. [Epub ahead of print]
 55. Hatou S, Higa K, Inagaki E, Yoshida S, Kimura E, Hayashi R, Tsujikawa M, Tsubota K, Nishida K, Shimmura S. Validation of Na,K-ATPase Pump Function of Corneal Endothelial Cells for Corneal Regenerative Medicine. *Tissue Eng Part C Methods.* 2013;19(12):901-10.
 56. Kobayashi T, Kan K, Nishida K, Yamato M, Okano T. Corneal regeneration by transplantation of corneal epithelial cell sheets fabricated with automated cell culture system in rabbit model. *Biomaterials.* 2013;34(36):9010-7.
 57. Oie Y, Nishida K. Regenerative medicine for the cornea. *Biomed Res Int.* 2013;2013:428247.
 58. Fujimoto S, Ikuno Y, Nishida K. Postoperative optical coherence tomographic appearance and relation to visual acuity after vitrectomy for myopic foveoschisis. *Am J Ophthalmol.* 2013;156(5):968-73.e1.
 59. Hashida N, Ping X, Nishida K. MAPK activation in mature cataract associated with Noonan syndrome. *BMC Ophthalmol.* 2013;13:70.
 60. Inoue Y, Oshika T, Nishida K. "The stems of future corneal research development are already in our hands" 18th annual meeting of the Kyoto Cornea Club, December 7-8, 2012. *Cornea.* 2013;32 Suppl 1:S1-2.
 61. Li Y, Inoue T, Takamatsu F, Maeda N, Ohashi Y, Nishida K. Development of genetically modified eliminable human dermal fibroblast feeder cells for ocular surface regeneration medicine. *Invest Ophthalmol Vis Sci.* 2013;54(12):7522-31.
 62. Saika M, Maeda N, Hirohara Y, Mihashi T, Fujikado T, Nishida K. Four discriminant models for detecting keratoconus pattern using Zernike coefficients of corneal aberrations. *Jpn J Ophthalmol.* 2013;57(6):503-9.
 63. Miki A, Ikuno Y, Jo Y, Nishida K. Comparison of enhanced depth imaging and high-penetration optical coherence tomography for imaging deep optic nerve head and parapapillary structures. *Clin Ophthalmol.* 2013;7:1995-2001.
 64. Suzuki M, Gomi F, Sawa M, Ueno C, Nishida K. Changes in fundus autofluorescence in polypoidal choroidal vasculopathy during 3 years of follow-up. *Graefes Arch Clin Exp Ophthalmol.* 2013;251(10):2331-7.
 65. Wakabayashi T, Naito H, Takara K, Kidoya H, Sakimoto S, Oshima Y, Nishida K, Takakura N. Identification of vascular endothelial side population cells in the choroidal vessels and their potential role in age-related macular degeneration. *Invest Ophthalmol Vis Sci.* 2013;54(10):6686-93.
 66. Koh S, Ikeda C, Takai Y, Watanabe H, Maeda N, Nishida K. Long-term results of treatment with diquafosol ophthalmic solution for aqueous-deficient dry eye. *Jpn J Ophthalmol.* 2013;57(5):440-6.

67. Koh S, Inoue Y, Sugmimoto T, Maeda N, [Nishida K](#). Effect of rebamipide ophthalmic suspension on optical quality in the short break-up time type of dry eye. *Cornea*. 2013;32(9):1219-23.
68. Goto S, Koh S, Toda R, Soma T, Matsushita K, Maeda N, [Nishida K](#). Interface fluid syndrome after laser in situ keratomileusis following herpetic keratouveitis. *J Cataract Refract Surg*. 2013;39(8):1267-70.
69. Gao X, Ikuno Y, [Nishida K](#). Long-shaft forceps for membrane peeling in highly myopic eyes. *Retina*. 2013;33(7):1475-6.
70. Fujikado T, Kamei M, Sakaguchi H, Kanda H, Morimoto T, Nishida K, Kishima H, Maruo T, Oosawa K, Ozawa M, [Nishida K](#). Feasibility of 2nd generation STS retinal prosthesis in dogs. *Conf Proc IEEE Eng Med Biol Soc*. 2013;2013:3119-21.
71. Koh S, Maeda N, Ikeda C, Takai Y, Fujimoto H, Oie Y, Soma T, Tsujikawa M, [Nishida K](#). Effect of instillation of eyedrops for dry eye on optical quality. *Invest Ophthalmol Vis Sci*. 2013;54(7):4927-33.
72. Araki-Sasaki K, Hirano K, Osakabe Y, Kuroda M, Kitagawa K, Mishima H, Obata H, Yamada M, Maeda N, [Nishida K](#), Kinoshita S. Classification of Secondary Corneal Amyloidosis and Involvement of Lactoferrin. *Ophthalmology*. 2013;120(6):1166-72.
73. Gao X, Ikuno Y, Fujimoto S, [Nishida K](#). Risk factors for development of full-thickness macular holes after pars plana vitrectomy for myopic foveoschisis. *Am J Ophthalmol*. 2013;155(6):1021-7.e1.
74. Hara C, Kasai A, Gomi F, Satooka T, Sakimoto S, Nakai K, Yoshioka Y, Yamamuro A, Maeda S, [Nishida K](#). Laser-Induced Choroidal Neovascularization in Mice Attenuated by Deficiency in the Apelin-APJ System. *Invest Ophthalmol Vis Sci*. 2013;54(6):4321-9.
75. Katsuta H, Fukushima Y, Maruyama K, Hirashima M, [Nishida K](#), Nishikawa S, Uemura A. EphrinB2-EphB4 Signals Regulate Formation and Maintenance of Funnel-Shaped Valves in Corneal Lymphatic Capillaries. *Invest Ophthalmol Vis Sci*. 2013;54(6):4102-8.
76. Ikuno Y, Fujimoto S, Jo Y, Asai T, [Nishida K](#). Choroidal thinning in high myopia measured by optical coherence tomography. *Clin Ophthalmol*. 2013;7:889-93.
77. Hayashi R, Himori N, Taguchi K, Ishikawa Y, Uesugi K, Ito M, Duncan T, Tsujikawa M, Nakazawa T, Yamamoto M, [Nishida K](#). The role of the Nrf2-mediated defense system in corneal epithelial wound healing. *Free Radic Biol Med*. 2013;61C:333-42.
78. Kawai S, Nishida T, Hayashi Y, Ezaki H, Yamada T, Shinzaki S, Miyazaki M, Nakai K, Yakushijin T, Watabe K, Iijima H, Tsujii M, [Nishida K](#), Takehara T. Choroidal and cutaneous metastasis from gastric adenocarcinoma. *World J Gastroenterol*. 2013;19(9):1485-8.
79. Sakimoto S, Kidoya H, Kamei M, Naito H, Yamakawa D, Sakaguchi H, Wakabayashi T, [Nishida K](#), Takakura N. An angiogenic role for adrenomedullin in choroidal neovascularization. *PLoS One*. 2013;8(3):e58096.
80. Sawa M, Gomi F, Ueno C, Suzuki M, [Nishida K](#). Comparison of macular pigment in three types of macular telangiectasia. *Graefes Arch Clin Exp Ophthalmol*. 2013;251(3):689-96.
81. Wakabayashi T, Ikuno Y, Oshima Y, Hamasaki T, [Nishida K](#). Aqueous Concentrations of Vascular Endothelial Growth Factor in Eyes with High Myopia with and without Choroidal Neovascularization. *J Ophthalmol*. 2013;2013:257381.
82. Kuroda S, Ikuno Y, Yasuno Y, Nakai K, Usui S, Sawa M, Tsujikawa M, Gomi F, [Nishida K](#). Choroidal thickness in central serous chorioretinopathy. *Retina*. 2013;33(2):302-8.
83. Shi D, Takano Y, Nakazawa T, Mengkegale M, Yokokura S, [Nishida K](#), Fuse N. Molecular genetic analysis of primary open-angle glaucoma, normal tension glaucoma, and developmental glaucoma for the VAV2 and VAV3 gene variants in Japanese subjects. *Biochem Biophys Res Commun*. 2013;432(3):509-12.
84. Baba K, [Nishida K](#). Steroid nanocrystals prepared using the nano spray dryer B-90. *Pharmaceutics*. 2013;5(1):107-14.
85. Miyagi H, Kanemoto S, Saito A, Asada R, Iwamoto H, Izumi S, Kido M, Gomi F, [Nishida K](#), Kiuchi Y, Imaizumi K. Transcriptional Regulation of VEGFA by the Endoplasmic Reticulum Stress Transducer OASIS in ARPE-19 Cells. *PLoS One*. 2013;8(1):e55155.
86. Sakimoto S, Kamei M, Suzuki M, Yano S, Matsumura N, Sakaguchi H, Gomi F, [Nishida K](#). Relationship between grades of macular perfusion and foveal thickness in branch retinal vein occlusion. *Clin Ophthalmol*. 2013;7:39-45.
87. Shi D, Funayama T, Mashima Y, Takano Y, Shimizu A, Yamamoto K, Mengkegale M, Miyazawa A, Yasuda N, Fukuchi T, Abe H, Ideta H, [Nishida K](#), Nakazawa T, Richards JE, Fuse N. Association of HK2 and NCK2 with Normal Tension Glaucoma in the Japanese Population. *PLoS One*. 2013;8(1):e54115.
88. Tanaka Y, Kubota A, Yokokura S, Uematsu M, Shi D, Yamato M, Okano T, Quantock AJ, [Nishida K](#). Optical mechanical refinement of human amniotic membrane by dehydration and cross-linking. *J Tissue Eng Regen Med*. 2012.
89. Tada A, Hashida N, Tanaka T, [Nishida K](#). Anti-interleukin-6 receptor antibody therapy-induced retinopathy in a patient with rheumatoid arthritis. *Case Rep Rheumatol*. 2012;2012:270315.

90. Takagi R, Yamato M, Kushida A, Nishida K, Okano T. Profiling of Extracellular Matrix and Cadherin Family Gene Expression in Mouse Feeder Layer Cells: Type VI Collagen Is a Candidate Molecule Inducing the Colony Formation of Epithelial Cells. *Tissue Eng Part A*. 2012;18(23-24):2539-48.
91. Goto S, Gomi F, Ueno C, Nishida K. Reduced-fluence Photodynamic Therapy for Subfoveal Serous Pigment Epithelial Detachment With Choroidal Vascular Hyperpermeability. *Am J Ophthalmol*. 2012;154(5):865-71.e1.
92. Inoue Y, Oshika T, Nishida K. "The beginning of new era of corneal research" 17th annual meeting of the kyoto cornea club December 2-3, 2011. *Cornea*. 2012;31 Suppl 1:S1-2.
93. Kanda H, Kobayashi M, Mihashi T, Morimoto T, Nishida K, Fujikado T. Serial measurements of accommodation by open-field Hartmann-Shack wavefront aberrometer in eyes with accommodative spasm. *Jpn J Ophthalmol*. 2012;56(6):617-23.
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