

Publication list of Akiyasu Kanamori as of July 14, 2014 (Only written in English)

I. Original Articles

1. Kanamori A, Escano MF, Eno A, et al. Evaluation of the effect of aging on retinal nerve fiber layer thickness measured by optical coherence tomography. *Ophthalmologica* 2003;217:273-278.
2. Kanamori A, Nakamura M, Escano MFT, Seya R, Maeda H, Negi A. Evaluation of the glaucomatous damage on retinal nerve fiber layer thickness measured by optical coherence tomography. *Am J Ophthalmol* 2003;135:513-520.
3. Kanamori A, Nakamura M, Matsui N, et al. Optical coherence tomography detects characteristic retinal nerve fiber layer thickness corresponding to band atrophy of the optic discs. *Ophthalmology* 2004;111:2278-2283.
4. Kanamori A, Nakamura M, Mukuno H, Maeda H, Negi A. Diabetes has an additive effect on neural apoptosis in rat retina with chronically elevated intraocular pressure. *Curr Eye Res* 2004;28:47-54.
5. Kanamori A, Nakamura M, Nakanishi Y, et al. Akt is activated via insulin/IGF-1 receptor in rat retina with episcleral vein cauterization. *Brain Res* 2004;1022:195-204.
6. Mukuno H, Nakamura M, Kanamori A, Nagai A, Negi A, Seigel G. Unoprostone isopropyl rescues retinal progenitor cells from apoptosis in vitro. *Curr Eye Res* 2004;29:457-464.
7. Kanamori A, Nakamura M, Nakanishi Y, Yamada Y, Negi A. Long-term glial reactivity in rat retinas ipsilateral and contralateral to experimental glaucoma. *Exp Eye Res* 2005;81:48-56.
8. Nagai A, Nakamura M, Kusuhara S, Kanamori A, Negi A. Unilateral manifestation of Leber's hereditary optic neuropathy after blunt ocular trauma. *Jpn J Ophthalmol* 2005;49:65-67.
9. Nakamura M, Kanamori A, Kusuhara S, Ishibashi K, Negi A. Alternate total ophthalmoplegia and optic neuropathy associated with ulcerative colitis. *Eye (Lond)* 2005;19:235-237.
10. Nakamura M, Kanamori A, Negi A. Diabetes mellitus as a risk factor for glaucomatous optic neuropathy. *Ophthalmologica* 2005;219:1-10.
11. Kanamori A, Nagai-Kusuhara A, Escano MF, Maeda H, Nakamura M, Negi A.

Comparison of confocal scanning laser ophthalmoscopy, scanning laser polarimetry and optical coherence tomography to discriminate ocular hypertension and glaucoma at an early stage. *Graefes Arch Clin Exp Ophthalmol* 2006;244:58-68.

12. Kusahara S, Nakamura M, Nagai-Kusahara A, Nakanishi Y, Kanamori A, Negi A. Macular thickness reduction in eyes with unilateral optic atrophy detected with optical coherence tomography. *Eye (Lond)* 2006;20:882-887.
13. Nakanishi Y, Nakamura M, Mukuno H, Kanamori A, Seigel GM, Negi A. Latanoprost rescues retinal neuro-glial cells from apoptosis by inhibiting caspase-3, which is mediated by p44/p42 mitogen-activated protein kinase. *Exp Eye Res* 2006;83:1108-1117.
14. Nagai-Kusahara A, Nakamura M, Mukuno H, Kanamori A, Negi A, Seigel GM. cAMP-responsive element binding protein mediates a cGMP/protein kinase G-dependent anti-apoptotic signal induced by nitric oxide in retinal neuro-glial progenitor cells. *Exp Eye Res* 2007;84:152-162.
15. Kanamori A, Naka M, Nagai-Kusahara A, Yamada Y, Nakamura M, Negi A. Regional relationship between retinal nerve fiber layer thickness and corresponding visual field sensitivity in glaucomatous eyes. *Arch Ophthalmol* 2008;126:1500-1506.
16. Nagai-Kusahara A, Nakamura M, Kanamori A, Nakanishi Y, Kusahara S, Negi A. Evaluation of optic nerve head configuration in various types of optic neuropathy with Heidelberg Retina Tomograph. *Eye (Lond)* 2008;22:1154-1160.
17. Tatsumi Y, Kanamori A, Nagai-Kusahara A, et al. Nipradilol protects rat retinal ganglion cells from apoptosis induced by serum deprivation in vitro and by diabetes in vivo. *Curr Eye Res* 2008;33:683-692.
18. Kanamori A, Naka M, Fukuda M, Nakamura M, Negi A. Tafluprost protects rat retinal ganglion cells from apoptosis in vitro and in vivo. *Graefes Arch Clin Exp Ophthalmol* 2009;247:1353-1360.
19. Kanamori A, Naka M, Fukuda M, Nakamura M, Negi A. Latanoprost protects rat retinal ganglion cells from apoptosis in vitro and in vivo. *Exp Eye Res* 2009;88:535-541.
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- hemifield visual field defects. *J Glaucoma* 2009;18:62-68.
21. Naka M, Kanamori A, Tatsumi Y, et al. Comparison of mean deviation with AGIS and CIGTS scores in association with structural parameters in glaucomatous eyes. *J Glaucoma* 2009;18:379-384.
  22. Nakamura M, Kanamori A, Nagai-Kusuhara A, Kusuhara S, Yamada Y, Negi A. Serous macular detachment due to diabetic papillopathy detected using optical coherence tomography. *Arch Ophthalmol* 2009;127:105-107.
  23. Kanamori A, Catrinescu MM, Kanamori N, Mears KA, Beaubien R, Levin LA. Superoxide is an associated signal for apoptosis in axonal injury. *Brain* 2010;133:2612-2625.
  24. Kanamori A, Catrinescu MM, Mahammed A, Gross Z, Levin LA. Neuroprotection against superoxide anion radical by metalocorroles in cellular and murine models of optic neuropathy. *J Neurochem* 2010;114:488-498.
  25. Kanamori A, Catrinescu MM, Traistaru M, Beaubien R, Levin LA. In vivo imaging of retinal ganglion cell axons within the nerve fiber layer. *Invest Ophthalmol Vis Sci* 2010;51:2011-2018.
  26. Naka M, Kanamori A, Negi A, Nakamura M. Reduced expression of aquaporin-9 in rat optic nerve head and retina following elevated intraocular pressure. *Invest Ophthalmol Vis Sci* 2010;51:4618-4626.
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  28. Kanamori A, Catrinescu MM, Belisle JM, Costantino S, Levin LA. Retrograde and wallerian axonal degeneration occur synchronously after retinal ganglion cell axotomy. *Am J Pathol* 2012;181:62-73.
  29. Kanamori A, Nakamura M, Tabuchi K, Yamada Y, Negi A. Effects of ocular rotation on parapapillary retinal nerve fiber layer thickness analysis measured with spectral-domain optical coherence tomography. *Jpn J Ophthalmol* 2012.
  30. Kanamori A, Nakamura M, Tomioka M, Kawaka Y, Yamada Y, Negi A. Agreement among three types of spectral-domain optical coherent tomography instruments in measuring parapapillary retinal nerve fibre layer thickness. *Br J Ophthalmol* 2012;96:832-837.
  31. Nakamura M, Ishikawa-Tabuchi K, Kanamori A, Yamada Y, Negi A. Better

- performance of RTVue than Cirrus spectral-domain optical coherence tomography in detecting band atrophy of the optic nerve. *Graefes Arch Clin Exp Ophthalmol* 2012;250:1499-507.
32. Kanamori A, Nakamura M, Yamada Y, Negi A. Longitudinal study of retinal nerve fiber layer thickness and ganglion cell complex in traumatic optic neuropathy. *Arch Ophthalmol* 2012;130:1067-9.
  33. Nakamura M, Naka M, Tatsumi Y, Kanamori A, Nagai-Kusuhara A, Yamada Y, Negi A. Filtering bleb structure associated with long-term intraocular pressure control after amniotic membrane-assisted trabeculectomy. *Curr Eye Res* 2012;37:239-250.
  34. Miki A, Kanamori A, Negi A, Naka M, Nakamura M. Loss of aquaporin 9 expression adversely affects the survival of retinal ganglion cells. *Am J Pathol* 2013;182:1727-39.
  35. Kanamori A, Nakamura M, Tomioka M, Kawaka Y, Yamada Y, Negi A. Structure-function relationship among three types of spectral-domain optical coherent tomography instruments in measuring parapapillary retinal nerve fibre layer thickness. *Acta Ophthalmol* 2013;91:e196-202.
  36. Kanamori A, Nakamura M, Yamada Y, Negi A. Spectral-domain optical coherence tomography detects optic atrophy due to optic tract syndrome. *Graefes Arch Clin Exp Ophthalmol* 2013;251:591-5.
  37. Akashi A, Kanamori A, Nakamura M, Fujihara M, Yamada Y, Negi A. Comparative assessment for the ability of Cirrus, RTVue, and 3D-OCT to diagnose glaucoma. *Invest Ophthalmol Vis Sci* 2013;54:4478-84.
  38. Akashi A, Kanamori A, Nakamura M, Fujihara M, Yamada Y, Negi A. The ability of macular parameters and circumpapillary retinal nerve fiber layer by three SD-OCT instruments to diagnose highly myopic glaucoma. *Invest Ophthalmol Vis Sci* 2013;54:6025-32.
  39. Kanamori A, Naka M, Akashi A, Fujihara M, Yamada Y, Nakamura M. Cluster analyses of grid-pattern display in macular parameters using optical coherence tomography for glaucoma diagnosis. *Invest Ophthalmol Vis Sci* 2013;54:6401-8.
  40. Matsumoto Y, Kanamori A, Nakamura M, Takahashi T, Nakashima I, Negi A. Sera from patients with seropositive neuromyelitis optica spectral disorders caused the degeneration of rodent optic nerve. *Exp Eye Res* 2013;119C:61-9.

41. Matsumoto Y, Kanamori A, Nakamura M, Negi A. Rat chronic glaucoma model induced by intracameral injection of microbeads suspended in sodium sulfate-sodium hyaluronate. *Jpn J Ophthalmol* 2014;58:290-7.
42. Matsumoto Y, Fujihara M, Kanamori A, Yamada Y, Nakamura M. Effect of axial length reduction after trabeculectomy on the development of hypotony maculopathy. *Jpn J Ophthalmol* 2014;58:267-75.
43. Sakamoto M, Kanamori A, Fujihara M, Yamada Y, Nakamura M, Negi A. Assessment of IcareONE rebound tonometer for self-measuring intraocular pressure. *Acta Ophthalmol* 2014;92:243-8
44. Akashi A, Kanamori A, Ueda K, Matsumoto Y, Yamada Y, Nakamura M. The detection of macular analysis by SD-OCT for optic chiasmal compression neuropathy and nasotemporal overlap. *Invest Ophthalmol Vis Sci*. In press.

## II. Case Reports

1. Nakamura M, Kanamori A, Seya R, Maeda H, Negi A. A case of occult macular dystrophy accompanying normal-tension glaucoma. *Am J Ophthalmol* 2003;135:715-717.
2. Kanamori A, Nakamura M, Matsui N, et al. Goniosynechialysis with lens aspiration and posterior chamber intraocular lens implantation for glaucoma in spherophakia. *J Cataract Refract Surg* 2004;30:513-516.
3. Tatsumi Y, Kanamori A, Kusuhara A, Nakanishi Y, Kusuhara S, Nakamura M. Retinal nerve fiber layer thickness in optic tract syndrome. *Jpn J Ophthalmol* 2005;49:294-296.
4. Kakutani Y, Nakamura M, Nagai-Kusuhara A, Kanamori A, Negi A. Marked cup reversal presumably associated with scleral biomechanics in a case of adult glaucoma. *Arch Ophthalmol* 2010;128:139-141.
5. Nakano S, Kanamori A, Nakamura M, Mizukawa K, Negi A. Paraneoplastic optic neuropathy associated with cerebellar choroid meningioma. *Eye (Lond)* 2013;27:1220-1.

## III. Review

1. Nakamura M, Kanamori A, Negi A. Diabetes mellitus as a risk factor for glaucomatous optic neuropathy. *Ophthalmologica* 2005, 219: 1-10

2. Kanamori A. Aquaporin in Optic Neuropathies. Nakazawa T, Kitaoka Y, Harada T ed., *Neuroprotection and Regeneration for Retinal Diseases*, Tokyo, 2014, Springer Japan.