

2. 国際学会発表 International Meetings

World Ophthalmology Congress (WOC) 2014 , 29th Asia-Pacific Academy of Ophthalmology (APAO)2014 ,Tokyo, Japan, 2014/4/2-6

【シンポジウム】

- 1) Nakazawa T. The Current Status of Neuroprotection in the Treatment of Glaucoma.
- 2) Kunimastu S. Visual Field Factors Related to Motor Vehicle Collisions during the Driving Simulator in Advanced Glaucoma Patients.

【モーニングセミナー】

- 1) Yukihiro S. Close relationship between ocular blood flow and structural changes in glaucoma.

【ランチョンセミナー】

- 1) Nakazawa T. Modern Glaucoma Management -How to do it?-

【ビデオセッション】

- 1) Kunikata H, Aizawa N, Maruyama K, Abe T, Nakazawa T. Surgical technique for repositioning a dislocated intraocular lens by 25-gauge microincision vitrectomy surgery.

【フリーペーパー】

- 1) Maruyama K, Inaba T, Kunikata H, Nakazawa T. Vitreous fluid sample analysis is high diagnostic value same as bronchial alveolar lavage fluid for sarcoidosis.
- 2) Himori N, Maruyama K, Taguchi K, Yamamoto M, Nakazawa T. Critical neuroprotective roles of heme oxygenase-1 induction against axonal injury-induced retinal ganglion cell death.
- 3) Tanaka Y, Tsuda S, Kokubun T, Kunikata H, Nakazawa T. Detection of Glaucoma-Related Circulating miRNAs in Aqueous Humor with a Microarray System.
- 4) Yabana T, Omodaka K, Togashi K, Yuasa T, Nakazawa T. Correlation between average vessel area measured with OCT and glaucoma severity.

【ポスター】

- 1) Kunikata H, Aizawa N, Nitta F, Abe T, Nakazawa T. Retrospective comparison of 25- and 23- gauge microincision vitrectomy surgery with 20-gauge vitrectomy for the repair of giant retinal tear.
- 2) Yokokura S, Hariya T, Meguro T, Kobayashi W, Nakazawa T. Efficacy of Chandelier Illumination During Combined Phacoemulsification and Penetrating Keratoplasty.
- 3) Ryu M, Yokoyama Y, Yamamoto K, Himori N, Nakazawa T. Activation of calpain and oxidative stress in axonal damage-induced retinal ganglion cell death.
- 4) Nitta F, Kunikata H, Aizawa N, Abe T, Nakazawa T. The effect of intravitreal ranibizumab on ocular blood flow in age-related macular degeneration measured with laser speckle flowgraphy.
- 5) Onami H, Kunikata H, Abe T, Nakazawa T. Short-term outcomes of aflibercept for neovascular age-related macular degeneration in eyes previously treated with ranibizumab.
- 6) Doi H, Kunikata H, Kato K, Yamagata K, Nakazawa T. Ophthalmological examinations in areas of Miyagi Prefecture affected by the Great East Japan Disaster.

- 7) Naoko Takada, Kazuko Omodaka, Yukihiro Shiga, Satoru Tsuda, Yu Yokoyama, Noriko Himori, Ryu Morin, Hidetoshi Takahashi, Kazuichi Maruyama, and Toru Nakazawa T. Optic disc morphology and regional susceptibility to circumpapillary retinal nerve fiber layer atrophy in normal tension glaucoma
- 8) Shiga Y, Iwase A, Kato K, Yasui T, Nakazawa T. Waveform analysis of ocular blood flow in preperietic glaucoma.
- 9) Hariya T, Yokokura S, Watanabe R, Kobayashi W, Nakazawa T. Effectiveness of Trabectome for treatment of steroid-induced glaucoma following corneal transplantation.
- 10) Tsuda S, Tanaka Y, Kunikata H, Hanaoka K, Nakazawa T. In Vivo Imaging of Hypoxic Retinal Tissue in a Retinal Artery Occlusion Model with Bioactive Fluorescence Probe.
- 11) Yukita M, Omodaka K, Maruyama K, Machida S, Nakazawa T. Early electrophysiological and molecular biological investigation of axotomized rat retinas.
- 12) Aizawa N, Kunikata H, Tsuda S, Ryu M, Nakazawa T. Effect of topical prostaglandin analogues on optic nerve head blood flow in preperimetric glaucoma.
- 13) Shimizu A, Nihori T, Maruyama K, Fuse N, Nakazawa T. A exploration of novel glaucoma gene using next-generation sequencing.
- 14) Yokoyama Y, Omodaka K, Matsumoto A, Akiba M, Nakazawa T. Reproducibility of swept-source optical coherence tomography parameters of the optic nerve head.
- 15) Yasuda M, Tanaka Y, Tsuda S, Nakazawa T. Assessment of retinal transcriptome changes early after axonal injury with RNA sequencing.
- 16) Tada A, Kunimatsu-Sanuki S, Maruyama K, Takahashi H, Nakazawa T. Evaluation of the efficacy of transscleral diode cyclophotocoagulation in Tohoku University Hospital.
- 17) Omodaka K, Shiga Y, Tsuda S, Yokoyama Y, Nakazawa T. Regional vulnerability of macular structure in patients with normal tension glaucoma.
- 18) Takahashi M, Takahashi H, Shiga Y, Iwase A, Nakazawa T. Waveform analysis for blood flow of optic nerve head in patients with open angle glaucoma.
- 19) Kayaba H, Shiga Y, Yokoyama Y, Omodaka K, Nakazawa T. Impact of intraocular pressure reduction on the ocular circulation in patients with ocular circulation.
- 20) Hashimoto S, Omodaka K, Takahashi M, Doi H, Nakazawa T. Correlation of Magnetic Resonance Imaging Optic Nerve Parameters to OCT and the Visual Field in Glaucoma.
- 21) Konno H, Omodaka K, Yokoyama Y, Maruyama K, Nakazawa T. Setting the Visual Field sectors based on the test points which were detected progression using the guided progression analysis software of standard automated perimetry.
- 22) Kokubun T, Tsuda S, Yasuda M, Kunikata H, Nakazawa T. Association of Proinflammatory Cytokines in Aqueous Humor with the Bleb Structure and Function after Trabeculectomy in Eyes with Glaucoma.
- 23) Takada N, Omodaka K, Nakazawa T. Optic disc morphology and regional susceptibility to circumpapillary retinal nerve fiber layer atrophy in normal tension glaucoma.
- 24) Kiyota N, Shiga Y, Kato K, Yasui T, Nakazawa T. Background factors influencing the effect of prostaglandin analogues on optic nerve head blood flow in preperimetric glaucoma.

【APAO シンポジウム】

- 1) Maruyama K. Virus infection as a risk factor for secondary glaucoma.

【APAO セッション】

- 1) Nakazawa T. Glaucoma Risk : Implication for Glaucoma Pathogenesis.

ARVO 2014 Orlando, USA 2014/5/4-8

【ポスター】

- 1) Shiga Y, Maruyama K, Sato M, Takayama S, Kunikata H, Nakazawa T Effect of systemic hyperoxia on optic nerve head blood flow in normal subjects, as measured by laser speckle.
- 2) Tanito M, Nitta K, Katai M, Kitaoka Y, Yokoyama Y, Omodaka K, Tsuda S, Nakazawa T Discrimination of glaucomatous optic disc with different appearances by using optic disc morphology parameters.- The Glaucoma Stereo Analysis Study (GSAS).
- 3) Nezhad Z K, Nagai N, Yamamoto K, Saya H, Nakazawa T, Abe T, Sustained clotrimazole release attenuates light-induced retinal damage through modulation of reactive oxygen species (ROS) and mitogen-activated protein kinases (MAPKs).
- 4) Yukita M, Machida S, Omodaka K, Maruyama K, Nakazawa T, Brimonidine Enhances Electrophysiological Activity of Retinal Ganglion Cells through Trk-PI3K Pathway.
- 5) Omodaka K, Shiga Y, Tsuda S, Yokoyama Y, Nakazawa T, Topographical correlation between macular layer thickness and clockwise circumpapillary retinal nerve fiber layer in patients with normal tension glaucoma.
- 6) Maruyama K, Keino H, Yamamoto K, Moritoh S, Nakazawa T Prevention of Experimental Autoimmune Uveitis by Inhibition of the Cyclooxygenase-2-Linked Pathway in a Rodent Model.

2014 International Ophthalmology Symposium ,Korea 2014/7/5-6

- 1) Yokokura S. Multicenter Clinical Trial of Cultivated Oral Mucosal Epithelial Sheet Transplantation
- 2) Maruyama K Case:Diagnosis of Primary Intraocular NK Cell Tumors with Intraocular Sampling
- 3) Nishiguchi KM .Clinical Research on Hereditary Ocular Diseases
- 4) Yu Yokoyama.Role of Calpain in Oxidative Stress-induced Retinal Ganglion Cell Damage
- 5) Satoru Tuda.Real-time Imaging of RGC Death in a Murine Optic Nerve Crush Model with a Cell-impermeable Nucleic Acid Dyeing Compound
- 6) Yukihiko Shiga.Proposal for the International Collaborative Research

Glaucoma Research Society Meeting Jackson Hole, USA 2014/8/27-30

【一般講演】

- 1) Toru Nakazawa.Comprehensive analysis of early retinal transcription changes following optic nerve crush

The 2nd Asia- Pacific Glaucoma Congress (APGC) & The 10th International Symposium of Ophthalmology – Hong Kong (ISOHK 2014), Hong Kong, 2014/9/26-28

- 1) Omodaka K, Takahashi S, Kamata Y, Shiga Y, Maruyama K, Nakazawa T.Quantifying average thickness of the lamina cribrosa with swept-source optical coherence tomography
- 2) Aizawa N, Nitta F, Kunikata H, Sugiyama T, Ikeda T, Araie M, Nakazawa T. Laser speckle and hydrogen gas clearance measurements of optic nerve circulation in albino and pigmented rabbits with or without optic disc atrophy

Asia Retina Meeting, Sendai 2014/9/14-15

- 1) Nishiguchi KM. Gene therapy-mediated restoration of vision in a common murine model of retinal degeneration
- 2) Kazuichi Maruyama. The Comparison of T cell population in Uveitis Vitreous Fluid

ARVO 2015 Yokohama. JPAN 2015/2/16-19

【ポスター】

- 1) Kunikata Hiroshi T. The application of pulsed water jets in vitreoretinal surgery and relevant retinal findings
- 2) Nishiguchi KM T. In vivo imaging of stress responses in retinal ganglion cells using AAV2-mediated delivery of pathway – specific promoter driven reporters.
- 3) Kazuichi Maruyama T. Characteristic T-cell populations in the vitreous fluid of eyes with viral infection-associated uveitis .
- 4) Aizawa N, Kunikata H, Kudo M, Mugikura S, Nitta F, Morimoto R, Iwakura Y, Ono Y, Satoh F, Takahashi H, Ito S, Takahashi S, Nakazawa T. Relationship of ocular microcirculation, measured by laser speckle flowgraphy, and silent brain infarction in primary aldosteronism.
- 5) Yusuke Fujii T. The result of an analysis of fundus photos taken from 1,443 monkeys at Tsukuba Primate Research Center during 2011-2013

OIST Mini-symposium, Okinawa 2015/2/27-3/1

【ポスター】

- 1) K. Sato, K. Maruyama, M. Ryu, S. Tsuda, S. Moritoh, K. Omodaka, T. Nakazawa: Regulation and observation of microglial cells in animals with retinal disease. Microglia: Key to Understanding Neural Development and Pathology