

Saturday, December 1, 2018

Lecture Room 1 (8:50-9:46)

Oral Session 1 : Strabismus / Low Vision

Chair: **Hae Jung Paik** (Pediatric Ophthalmology & Strabismus Department, Gil Medical Center, Gachon University)

Chen Zhao (Department of Ophthalmology, EENT Hospital affiliated to Fudan University)

- OS1-1 Treatment response of anisometropic amblyopia by refractive errors of the amblyopic eyes 55
Seung-Hee Baek (Kim's Eye Hospital)
- OS1-2 Ocular alignment after bilateral medial rectus recession in esotropic patients with spinocerebellar ataxia 55
Bo Young Chun (Department of Ophthalmology, Kyungpook National University School of Medicine)
- OS1-3 Long-term surgical outcomes of patients with consecutive exotropia 56
Haeng-Jin Lee (Seoul National University Hospital)
- OS1-4 Transient Increase of Wavefront Aberrations after Horizontal Rectus Muscle Surgery in Exotropia 56
Ting Su (Eye Institute of Xiamen University, Fujian Provincial Key Laboratory of Ophthalmology and Visual Science, Medical College of Xiamen University)
- OS1-5 Long-Term Surgical Outcomes of Bilateral vs Unilateral Medial Rectus Resection for Recurrent Exotropia 57
Jae Yun Sung (Department of Ophthalmology, Seoul National University College of Medicine, Seoul National University Bundang Hospital)
- OS1-6 Lateral Rectus Transposition: a Novel Procedure Achieved in a Case Affected with Superior Rectus Contracture 57
Chen Zhao (Eye & ENT Hospital, Shanghai Medical College, Fudan University)
- OS1-7 A special cause of decreased vision in children 58
Huiling Li (the Second Xiangya Hospital, Central South University)

Lecture Room 1 (10:00-11:28)

Oral Session 2 : Basic Research

Chair: **Toshinori Murata** (Department of Ophthalmology, Shinshu University School of Medicine)

Jingxue Zhang (Institute of Ophthalmology, Capital Medical University)

- OS2-1 The direct reprogramming of retinal astrocytes into neurons with small-molecule compounds 59
Yuya Fujii (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

- OS2-2 The clock gene DEC2 contributes to VEGF upregulation by modulating HIF1 α protein levels in hypoxic MIO-M1 cells. 59
Takahiro Akamine (Department of Ophthalmology, Faculty of Medicine, Oita University)
- OS2-3 Cell biological characteristics of c-kit⁺ eye progenitor cells and their protective effect on the degenerative retina 60
Xi Chen (Department of Ophthalmology, Beijing Friendship Hospital, Capital Medical University)
- OS2-4 IFT52 as a novel candidate for ciliopathies involving retinal degeneration 60
Xue Chen (Department of Ophthalmology, The First Affiliated Hospital of Nanjing Medical University)
- OS2-5 The mixture of PEDF34 and type-I collagen in in a mouse model of laser-induced choroidal neovascularization 61
HyunWoong Kim (Department of Ophthalmology, Haeundae Paik Hospital, College of Medicine, Inje University)
- OS2-6 miR-124 promotes the growth of retinal ganglion cells derived from Muller cells 61
Ye He (Department of Ophthalmology, Xiangya Hospital, Central South University)
- OS2-7 The effect of age on the regenerative potential of human eyelid adipose-derived stem cells 62
Zhuoshi Wang (Shenyang He Eye Specialists Hospital)
 ⇒Presenter: Tiezhu Lin (He Eye Specialists Hospital, HESH)
- OS2-8 The proteins of mitochondrial dysfunction and integrin signaling change in the rat retina following cerebrospinal fluid pressure reduction 62
Fancheng Yan (Beijing Institute of Ophthalmology, Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical University; Beijing Ophthalmology & Visual Sciences Key Laboratory)
- OS2-9 Conditional Knockout of Ectoderm Specific Gene Msx2 Leads to Ocular Anterior Segment Dysgenesis through Activating Calcium Signaling Pathway 63
Jiangyue Zhao (the Fourth Affiliated Hospital of China Medical University)
- OS2-10 Scleral hypoxia is a novel target for myopia control 63
Xiangtian Zhou (Wenzhou Medical University)
- OS2-11 Effects of Mesenchymal Stem Cells Derived Exosomes on Ultrastructure of Corneal Epithelium and Function in dry eye Mice 64
Juan Li (Department of Ophthalmology, Xi'an No.4 Hospital)

Lecture Room 1 (11:50-12:50) Luncheon Seminar 1 :

Japanese Physicians' View on Diagnosis and Treatment of wAMD in Long Term Perspective

Chair: **Shigeru Honda** (Department of Ophthalmology and Visual Sciences, Osaka City University Graduate school of Medicine)

Speakers:

Current diagnosis of exudative age-related macular degeneration in 2018 196
Masaaki Saito (Department of Ophthalmology, Akita University Graduate school of Medicine)

Current practice in treating wAMD patients in Japan ~ Real World Evidence from Japan ~ · · · 197
Yuji Oshima (Department of Ophthalmology, Fukuoka University Chikushi Hospital)

Co-sponsor: Bayer Yakuhin, Ltd. / Santen Pharmaceutical Co., Ltd.

Lecture Room 2 (8:50-9:38)

Oral Session 3 : Oculoplasty

Chair: **Suk-Woo Yang** (Department of Ophthalmology, Seoul St.Mary's Hospital, The Catholic University of Korea)

Jianmin Ma (Department of Ophthalmology, Beijing Tongren Hospital, Capital Medical University)

- OS3-1 Etiology and surgical management of acquired punctal stenosis · · · · · 65
Jingwen Ding (Department of Ophthalmology, Beijing Tongren Hospital, Capital Medical University)
- OS3-2 the effect evaluation of modified levator palpebral shortening on the children with Marcus Gunn Jaw-Winking syndrome · · · · · 65
Jin Li (Shanghai JiaoTong University School of Medicine)
- OS3-3 Modified Combined Fascia Sheath together with Levator Muscle Suspension Preserving Müller Muscle on Treating Severe Congenital Blepharoptosis · · · · · 66
Ming Lin (Ninth Peoples Hospital, Shanghai JiaoTong University School of Medicine)
- OS3-4 The Surgical Treatment and Lacrimal Reconstruction of Eyelid Tumors Involving Lacrimal Punctum · · · · · 66
Huilin Qing (Henan Eye Hospital, Henan Eye Institute, Henan Provincial People's Hospital)
- OS3-5 Clinical characteristics, radiologic features and surgical outcome of Pediatric traumatic nasolacrimal duct obstruction · · · · · 67
Caiwen Xiao (Department of Ophthalmology, Shanghai Ninth Peoples Hospital, Shanghai Jiao Tong University School of Medicine)
- OS3-6 The Huge Upper Eyelid Defect After Resection. · · · · · 67
Suk-Woo Yang (Seoul St.Mary's Hospital)

Lecture Room 2 (9:40-10:52)

Oral Session 4 : Glaucoma 1

Chair: **Xinghuai Sun** (Eye & ENT Hospital, Shanghai Medical College, Fudan University)

Toshiaki Kubota (Department of Ophthalmology, Oita University Faculty of Medicine)

- OS4-1 Withdrawn
- OS4-2 Presence of vitreous zonule and anterior segment optic coherence tomography parameters in primary angle closure. · · · · · 68
Kilhwan Shon (Department of Ophthalmology, Asan Medical Center)

- OS4-3 Evaluation of Structure-Function Relationships in Longitudinal Changes of Glaucoma using the Spectralis OCT Follow-Up Mode ······ 68
Kenji Suda (Kyoto University Graduate School of Medicine Department of Ophthalmology and Visual Sciences)
- OS4-4 Effects of Age on Optical Coherence Tomography Angiography Measurements of Healthy Peripapillary and Macula ······ 69
Jo Youn hye (Asan Medical Center)
- OS4-5 Optical coherence tomography angiography in primary angle closure glaucoma ······ 69
Shunhua Zhang (Peking Union Medical College Hospital)
- OS4-6 Influence of ERM on peripapillary RNFL measurements ······ 70
Chan Yun Kim (Dept of Ophthalmology Yonsei University College of Medicine)
- OS4-7 Corneal and Angle Parameters after Laser Iridotomy Combined with Iridoplasty Assessed by Dual Scheimpflug Analyzer ······ 70
Hyun-kyung Cho (Gyeongsang National University Changwon Hospital, Gyeongsang National University, School of Medicine)
- OS4-8 Treatment Outcomes of Secondary Glaucoma with Cytomegalovirus Iritis ······ 71
Takaaki Otsuka (Oita University)
- OS4-9 Comparison of Inner Retinal Thickness Change According to the Severity of Optic Disc Edema in Optic Neuritis ······ 71
Eun Hee Hong (Department of Ophthalmology, Hanyang University College of Medicine, Hanyang University Guri Hospital)

Lecture Room 2 (10:55-11:35)

Oral Session 5 : Epidemiology / Uvea

Chair: **Koh-Hei Sonoda** (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

Jialiang Zhao (Peking Union Medical College Hospital, Chinese Academy of Medical Sciences)

- OS5-1 Prevalence of amblyopia and strabismus in Hani school children in rural southwest China: a cross-sectional study ······ 72
Hui Zhu (The First Affiliated Hospital with Nanjing Medical University)
- OS5-2 Sampling, Measurement, and Management Methods of the Shanghai Diabetic Eye Study: a Community-based Study in Diabetes ······ 72
Xiaofeng Zhu (Department of Ophthalmology, Shanghai General Hospital, Shanghai Jiao Tong University)
- OS5-3 Trends in the prevalence of myopia and myopic maculopathy in a Japanese population: the Hisayama Study ······ 73
Emi Ueda (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS5-4 Clinical characterizations of early stage intermediate uveitis in over-stressed Chinese young patients ······ 73
Jiafan Liu (State key Laboratory of Ophthalmology, Zhongshan Ophthalmic Center, Sun Yet-sen University)

- OS5-5 Two cases of noninfectious uveitis in which difficulties occurred with the treatment of Adalimumab (ADA), an anti-TNF-alpha agent. 74
Satoshi Yamana (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

Lecture Room 2 (11:50-12:50) Luncheon Seminar 2 :

The most advanced insights in ocular imaging and analysis

Chair: **Koh-Hei Sonoda** (Department of Ophthalmology, Graduate School of Medical Science, Kyushu University)

Speakers:

Analysis of posterior segment inflammation in uveitis using three-dimensional optical coherence tomography 198
Eiichi Hasegawa (Department of Ophthalmology, Graduate School of Medical Science, Kyushu University)

Intelligent Ocular Imaging Research - IMED Singapore and China Perspectives 199
Jimmy Liu Jiang (Cixi Institute of Biomedical Engineering, Chinese Academic of Science; Singapore National Eye Research Institute)

Co-sponsor: Topcon Corporation

Lecture Room 2 (17:10-18:00) Evening Seminar :

Current Topics of the Management of Dry Eye

Chair: **Eiichi Uchio** (Department of Ophthalmology, Fukuoka University School of Medicine)

Speakers:

Current topics of dry eye and corneal sensation
 ~ Potential application of topical diquafosol to reduce nociceptive/neuropathic pain ~ . . . 192
Tohru Sakimoto (Department of Visual Sciences, Division of Ophthalmology, Nihon University School of Medicine)

Efficacy of preservative-free 3% diquafosol in perioperative condition of ocular surgery . . . 193
Tae-im Kim (Department of Ophthalmology, Yonsei University College of Medicine)

Co-sponsor: Santen Pharmaceutical Co., Ltd.

Lecture Room 3 (9:00-10:52)

Oral Session 6 : Retina 1

Chair: **Shigeo Yoshida** (Department of Ophthalmology, Kurume University School of Medicine)
Young-Hoon Ohn (Department of Ophthalmology, Soonchunhyang University Hospital)

- OS6-1 The ocular kinetics of ATP and the mechanism of its release and degradation 75
Takashi Tachibana (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

- OS6-2 Correlation between retinal structure and sensitivity in patients with retinitis pigmentosa using OCT and MP-3. 75
Jun Funatsu (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

- OS6-3 Resequencing of 83 causative genes in 1,204 Japanese patients with retinitis pigmentosa
 76
Yoshito Koyanagi (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-4 Treatment outcome of cystoid macular edema secondary to retinitis pigmentosa 76
Shotaro Shimokawa (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-5 A case of chronic cytomegalovirus retinitis with hypotony treated by vitrectomy and silicone oil injection in an immunocompetent person. 77
Keiko Yoshitomi (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-6 Optical coherence tomography, fluorescein, and indocyanine green angiography findings of choroidal neovascularization secondary to choroidal osteoma 77
Junya Kitahara (Department of ophthalmology Shinshu University school of medicine)
- OS6-7 Three cases of endophthalmitis after anti - VEGF intravitreal injection. 78
Kazuhiro Harada (Fukuoka University)
- OS6-8 Microaneurysms Imaging in Diabetic Retinopathy using Multiple en face Optical Coherence Tomography Angiography Image Averaging 78
Yoshihiro Kaizu (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-9 Aqueous humor cytokines in eyes with rebound macular edema after intravitreal conbercept for macular edema secondary to CRVO 79
Han Zhang (The First Hospital of China Medical University)
- OS6-10 Interactive role of periostin, tenascin-C and fibronectin in retinal neovascularization in the pathogenesis of proliferative diabetic retinopathy. 79
Yuki Kubo (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-11 Increased Expression of Periostin and Tenascin-C in the Aqueous Humor in Neovascular Glaucoma secondary to PDR. 80
Kenichiro Mori (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-12 Three-year Outcome Following Treat-and-Extend Therapy Using Aflibercept for Neovascular Age-related Macular Degeneration in Japanese Patients 80
Naoya Hashiguchi (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-13 OCT angiography detects re-dilation of choroidal neovasculatures before exudative recurrence in multifocal choroiditis with panuveitis: a case report 81
Shun Nakamura (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)
- OS6-14 Two case reports of Loeys-Dietz syndrome with retinal vascular abnormality similar to familial exudative vitreoretinopathy. 81
Shinzo Sakisaka (Japan Community Health care Organization, Kyushu Hospital)

Lecture Room 3 (10:52-11:48) Oral Session 7 : Cornea / Ocular Surface 1

Chair: **Akira Kobayashi** (Department of Ophthalmology, Kanazawa University Graduate School of Medical Science)

Kyung Hwan Shin (Yeonsu Kim's Eye Clinic)

- OS7-1 Clinical study of dry eye after phacoemulsification surgery 82
Hua Wang (Eye Hospital China Academy of Chinese Medical Sciences)
- OS7-2 Changes of optical quality in dry eye patients after treatment with artificial lubricant and anti-inflammatory eye drops 82
Yufei Gao (Department of Ophthalmology, Peking University Third Hospital)
- OS7-3 Comparison of the effect of Restasis and Ikervis on apoptosis, cell survival and inflammation: in vitro dry eye model 83
Jin Hyoung Park (Miso Eye Clinic)
- OS7-4 Prevalence of pterygium among people aged 40 and above in China: A meta-analysis on studies published in 1990-2017 83
Mei Yang (Eye Institute, Affiliated Hospital of Nantong University)
- OS7-5 Antifibrotic effects of cherry blossom flower extract on Tenon's fibroblasts in pterygium eyes: comparison with mitomycin C 84
Chang Mok Lee (Asan Medical Center)
- OS7-6 Involvement of mitochondria-associated endoplasmic reticulum membrane in the pathophysiology of Fuchs endothelial corneal dystrophy 84
Saki Matsumoto (Doshisha University)
- OS7-7 A Multicenter Study on Automatic Classification of Keratoconic and Normal Corneas with Corneal Visualization Scheimpflug Technology 85
Lei Tian (Beijing Institute of Ophthalmology)

Lecture Room 3 (14:10-14:50) Special Lecture : Retinal cell therapy - now & future

Chair: **Tatsuro Ishibashi** (Kyushu University)

- Retinal cell therapy - now & future 45
Masayo Takahashi (Project Leader, Laboratory for Retinal Regeneration Center for Biosystems Dynamics Research, Riken)

Lecture Room 3 (15:00-16:00) Symposium 1 : Ocular Surgery

Chair: **Joo Eun Lee** (J Eye Center, Retina Service)

Yuji Oshima (Fukuoka University Chikushi Hospital)

- SY1-1 How make the successful glaucoma valve surgery in the neovascular glaucoma 46
Xinghuai Sun (Department of Ophthalmology, Eye & ENT Hospital, Shanghai Medical College of Fudan University)

SY1-2	Update on Surgical Treatment for Glaucoma ······ 47 Chungkwon Yoo (Department of Ophthalmology, Korea University College of Medicine)
SY1-3	Update of endothelial keratoplasty in Japan ······ 48 Akira Kobayashi (Department of Ophthalmology, Kanazawa University Graduate School of Medical Science, Kanazawa)

Lecture Room 3 (16:00-17:00)

Symposium 2 : Basic Research

Chair: **Hyunwoong Kim** (Department of Ophthalmology, Haeundae Paik Hospital, College of Medicine, Inje University)

Koh-Hei Sonoda (Department of Ophthalmology, Graduate School of Medical Sciences, Kyushu University)

SY2-1	Pathogenesis of Lacrimal Gland Benign Lymphoepithelial Lesion ······ 49 Jianmin Ma (Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical University)
SY2-2	Preclinical test in the process ophthalmic new drug development ······ 50 Yang Jaewook (Department of Ophthalmology, InJe University College of Medicine, Busan Paik Hospital)
SY2-3	Translational Research for Corneal Endothelial Regeneration ······ 51 Noriko Koizumi (Department of Biomedical Engineering, Faculty of Life and Medical Sciences, Doshisha University)