June 27 (Fri.)

Congres Square Grand Green Osaka ROOM 1

session	program number short title	speaker (country)
Keynote Lecture	Al: History, Now and Beyond Chairs: Ryo Kawasaki (Japan), Tetsuro Oshika (Japan), Mingguang He (Hong Kong) KL1-1 Uniting for Vision: Global Collaborations Driving Al and Telehealth in Eye Care KL1-2 Creative GenAl Landscape	9:00 ~ 10:00 Malvina Eydelman (U.S.) Kota Yamaguchi (Japan)
Symposium 1	Foundation models Potentials and Challenges Chairs: Hitoshi Tabuchi (Japan), Yih Chung Tham (Singapore) SY1-1 Impact of Pre-training Data on Medical Foundation Models SY1-2 Improved prognostic model for RP SY1-3 Emergence of Multiple Foundation Models in Ophthalmology: Which is the Right Fit? SY1-4 Towards Multi-Modal Foundation Models for Retinal Image Analysis SY1-5 EyeFound, EyeClip & Fundus2video	10:15 ~ 11:45 Yukun Zhou (U.S.) Kouya Honma (Japan) Yih Chung Tham (Singapore) Julio Silva-Rodriguez (Canada) Mingguang He (Hong Kong)
Luncheon Seminar 1	Al × 医療 = ? Part IV / Al × Healthcare = ? Part IV Chair: 大鹿 哲郎 / Tetsuro Oshika (Japan) IS1-1 第4世代Alの医療へのインパクト / The Impact of 4th Generation Al on Healthcare IS1-2 Alを活用したOCT画像の改善と網膜異常所見の検出支援 / Al-Based Improvement of Cimages and Support for the Detection of Retinal Abnormalities IS1-3 眼科文書作成における現状と挑戦 / Current Challenges and Advances in Al-Powered Documentation in Ophthalmology	12:00 ~ 13:00 清田 純 / Jun Seita (Japan) 寺崎 寛人 / Hiroto Terasaki (Japan) 佐渡 惠奈 / Keina Sado (Japan) 共催 / sponsored:参天製薬 / Santen Pharmaceutical Co., Ltd.
Symposium 2	Generative AI for Ophthalmology Practice Chairs: Toshinori Murata (Japan), Robert Chang (U.S.), Yih Chung Tham (Singapore) SY2-1 Video generative AI and DL Powered Teleconsultations Using Smartphone Captured Images of Corneal Disease SY2-3 Application of Artificial Intelligence and Large Language Models in Ophthalmology SY2-4 Evaluation of changes in microaneurysms and retinal vascular leakage before and after anti-VEGF therap diabetic macular edema using an OCTA-based artificial intelligence-inferred fluorescein angiography syst SY2-5 EyeAgent: an Interpretable Ophthalmology Multimodal Agent SY2-6 SY2-7 Semantic Foundations in Ophthalmology: An Ontology-Based LLM Approach to Macular Degeneration	Gavin Tan (Singapore) y for
Sweets Seminar 1	Applications of AI in Diagnostic Imaging Chair: Ryo Kawasaki (Japan) SS1-1 Delineation of Faricimab-Induced Leakage Reduction Using AI-Inferred Fluorescein Angiography Derived From OCT Angiography	14:30 ~ 15:30 aphy Toshinori Murata(Japan) 共催 / sponsored:中外製薬 / CHUGAI PHARMACEUTICAL CO.,LTD.
Symposium 3	Al for DR Screening: Roadmap to Al implementation Chairs: Ryo Kawasaki (Japan), Paisan Ruamviboonsuk (Thailand), Gavin Tan (Singapore) SY3-1 What's Next for DR Screening Using Al SY3-2 Diabetic Retinopathy Screening Al in Japan SY3-3 Al in Future of Diabetic Retinopathy Management SY3-4 Cancelled SY3-5 Guality and Residents' Preference of Self-Service Fundus Diseases Screening Based on Automation and Artificial Intellig SY3-6 SY3-6 SWART (Al-enabled) DROP (Diabetic Retinopathy Outcomes and Pathways) Project: Real-World Al Integration Experie SY3-7 The Future of Al in DR screening in the South Pacific: Opportunities and Challenges Current Landscape in the US and Longitudinal Deployment Experience at Johns Hopkins	
OCULOMICS Coding workshop 1	OCULOMICS workshop Chairs: Yukun Zhou (UK) , Lisa Zhuoting Zhu (Aus) , Ryo Funatsu (JSAIO) , Yosuke Taki (JSAIO) WS1-1 Historical VIEW - OCULOMICS - WS1-2 AutoMORPH WS1-3 RetFOUND ** In the practical session, it would be useful to create a simple protocol recommending that participants bring the image samples they want to test (the session will be held on Google Cloud Platform, where GPUs can be used from this will encourage participant engagement and make the session more interactive. **参加者がノートパソコンとテストしたい画像サンプルを持参することを推奨する シンプルなプロトコルを作成すると役立ちます(セッションは Google Cloud Platform 上で開催され、GPU の無料利用が可能	ee of charge) .

第6回日本眼科AI学会総会 The 6th Annual Meeting of the Japanese Society of Artificial Intelligence in Ophthalmology (ISAIO)

APTOS 2025

The 10th Asia Pacific Tele-Ophthalmology Society (APTOS) Symposium 2025

June 27 (Fri.)

Congres Square Grand Green Osaka ROOM E (closed)

Speaker number short title speaker	(country)
APTOS - APOIS Consensus Mini-Workshop Chairs: Malvina Eydelman (U.S.) , Mingguang He (Hong Kong) , Ryo Kawasaki (Japan) Alauddin Bhuiyan (U.S.) Carol CHEUNG (Hong Kong) Sheila JOHN (India) Haotian LIN (China) T.Y. Alvin LIU (U.S.) Masahiro MiYAKE (Japan) Padmaja RANI (India) Paisan RUAMVIBOONUK (The Hidenori TAKAHASHI (Japan) Gavin TAN (Singapore) Raba THAPA (Nepal) Angus TURNER (Australia) Tien-Yin WONG (China/Sing Honghua YU (China) Lisa ZHU (Mastralia)	

June 27 (Fri.)

Congres Square Grand Green Osaka ROOM 2

session	program number	short title	speaker (country)
Free papers 1	Chairs: 01-1 01-2 01-3 01-4 01-5 01-6 01-7 01-8 01-9 01-10 01-11 01-12 01-13 01-14 01-15	a multi tier hospital network in South Asia ProptoView: Al-based digital exophthalmometer for accurate proptosis measurement using multi-view images PITSTOP: BITS and HITS of Medial rectus Pulled in Two syndrome in a Filipino female patient Quantifying gender differences in orbital morphology with large MRI datasets	Hiroki Maehara (Japan) Yuto Nakamura (Japan) Yuma Kanematsu (Japan) Mao Tanabe (Japan) Taku Hayashi (Japan) Chaoyu Lei (China) Qing Lu (China) Kowsalya Akkayasamy (India) How Sheng Rubin Yong (Singapore) Soumya Nanaiah (India) Kavya Chandran (India) Chaoyu Lei (China) Helen Joy Dizon (Philippines) Xi Chen (China) Jocelyn Hui Lin Goh (Singapore) Ralene Sim (Singapore) Mansi Gupta (India)
Luncheon Seminar 2	Chair: 1 LS2-1	吉村 健佑 / Kensuke Yoshimura(Japan) デジタルヘルスの展望〜次世代の可能性〜 / Prospects of Digital Health: Possibilities for the Next Generation	12:00 ~ 13:00 櫻井 陽一 / Yoichi Sakurai(Japan) 共催 / sponsored:NTTcomm
Free papers 2	Chairs: 02-1 02-2 02-3 02-4 02-5 02-6 02-7 02-8 02-9 02-11 02-12 02-13 02-14 02-15	ma/myopia/oculomics Hidenori Takahashi (Japan) , Padmaja Rani (India) Partial Fundus Image Analysis Investigating Glaucoma Using AEs OD and OC Segmentation by NAT-UNet Fundus Photos to Cytokine AI EyeDiff: text-to-image generative foundation model improves rare eye disease diagnosis Interpretable Longitudinal Glaucoma Visual Field Estimation Deep Learning System from Fundus Images and Clinical Narratives Feulauting the use of prompt engineering in Vision-language Models (VIMs) for disc swelling identification on fundus photography Eye-Brain Biomarkers in Neurological Disease Detection: Comparing OCT and Omics Approaches Detection of Mild Cognitive Impairment Through Digital Phenotyping of Gaze Movement Cross-disease Retinal Vascular Pattern Recognition and Analysis via a Robust Multi-path Neural Network Framework Neurovascular retinomics for precision profiling of cancer risk OM-Agent: A Reinforcement Learning Agent for Optimizing Ophthalmic Modality Selection Using 3D-MRI Imaging to Quantitatively Analyze the Shape of Eyebalts with High Myopia and to Investigate Relationships between Myopic Traction Maculopathy and Posterior Staphyloma ChatMyopia: An AI Agent for Myopia-Related Question-Answer in Primary Eye Care Settings Axial Length Percentiles and Growth Patterns in a Large Chinese Pediatric Cohort: The Real-world Myopia Evolution and Intervention Study (REMEDY) Leveraging Teleophthalmology for Myopia Detection and Management: A Digital Approach to Eye Care Longitudinal Analysis of Spatial Variations in the Choroid During Myopia Progression	Hiyori Sakemi (Japan) Ikki Osaka (Japan) Syochu Setsu (Japan) Hidenori Takahashi (Japan) Ruoyu Chen (China) Xiaoling Huang (China) Kelvin Li (U.S.) Jiahui Cao (China) Masahiro Miyake (Japan) Peng Xiao (China) Wei Zhang (China) Wei Zhang (China) Wei Zhang (China) Yi Chen (China) Yi Chen (China) Yue Wu (Hong Kong) Ziyao Wang (China) Kowsalya Akkayasamy (India) Jixuan Yuan (China) Eisuke Shimizu (Japan)
Free papers 3	Retina / Chairs: 03-1 03-2 03-3 03-4 03-5 03-6 03-7 03-8 03-9 03-10 03-11 03-12 03-13 03-14 03-15 03-16 03-17 03-18	Keita Kihara (Japan) , Raba Thapa (Nepal) Unsupervised Choroid Seg. with MAE Cancelled FFA Sora: generating fundus fluorescein angiography videos for healthcare data sharing Artificial Intelligence for Predicting Progression from Early and Intermediate to Late Age-Related Macular Degeneration: A Systematic Review and Meta-Analysis Topographical Variations of Choroidal Thickness in Children and Associations with Different Ages and Refractive Status Cancelled Cancelled Cancelled Cancelled Intraoperative hand-held optical coherence tomography for assessing retinal structural changes during macular hole surgery The Evolution of Artificial Intelligence in Retinal Diseases (2005-2024): A 20-Year Perspective on Trends and Future Directions Using 30 Questions from 7 Countries LLMs in Ophthalmology Benchmarking Next-Generation Reasoning-Focused Large Language Models in Ophthalmology: A Head-to-Head Evaluation on 5888 Question Items in Ophthalmology Benchmarking LlMs for Ophthalmology (BELO): A comprehensive benchmark for ophthalmological knowledge and reasoning Evaluating LLMs and LLM Agents in Healthcare: Key Challenges in Clinical Applications DeepSeek-R1 Outperforms Gemini 2.0 Pro, OpenAl o1, and o3-mini in Bilingual Complex Ophthalmology Reasoning Artificial Intelligence in Ophthalmic Patient Education: A Comparative Analysis with AI, Search Engines, and Human Expertise Leveraging Large Language Models for Medical Web Application Development: A Pilot Study in Ophthalmology	Tomokazu Fukuchi (Japan) Ruoyu Chen (China) Christina Wunardi (Indonesia) Luxiao Chen (China) Erika Sekiya (Japan) Christina Wunardi (Indonesia) Yosuke Toba (Japan) keita kihara (Japan) Minjie Zou (Singapore) Sahana Srinivasan (Singapore) Xiaolan Chen (China) Pusheng Xu (China) Saurabh Haral (India) Anand Singh Brar (India)

第6回日本眼科AI学会総会 The 6th Annual Meeting of the Japanese Society of Artificial Intelligence in Ophthalmology (JSAIO)

APTOS 2025

The 10th Asia Pacific Tele-Ophthalmology Society (APTOS) Symposium 2025

June 27 (Fri.) • 28 (Sat.)

Congres Square Grand Green Osaka Foyer

session	program number	short title	speaker (country)
E-Poster 1	P1-1 P1-2 P1-3 P1-6 P1-7 P1-8 P1-9 P1-10 P1-11 P1-12 P1-13 P1-14 P1-15 P1-16 P1-17 P1-18 P1-19 P1-20 P1-20 P1-20 P1-23 P1-25 P1-26 P1-27 P1-28 P1-29 P1-30 P1-31 P1-32 P1-33 P1-34 P1-35 P1-36 P1-37 P1-38 P1-39 P1-40 P1-41 P1-42	Al-Based CK Diagnosis Comparison of the Accuracy Between Al for POAG Diagnosis and Al for PACG Diagnosis Using Corvis ST limitation of ChatGPT O1 pro Cross-modal FA Generation Fundus image for Telemedicine 物体規注AliCa-Sa聚位實際の検出 Ophthalmic Fees Q&A System Upgrade Feedback System to Promote Al A Remote Collaborative Model using a digital platform to Enhance Eye Care Accessibility and Reduce Waiting Times The Papilledema Dilemma: Myopic Pseudopapilledema from Peripapillary Hyper-reflective Ovoid Mass-like Structures (PHOMS) CLASSIFYING BAD SCANS VERSUS PRE AND POST CATARACT SURGERY ITRACE IMAGES USING a MACHINE LEARNING ALGORITHM Association between morphological characteristics of the optic disc and other anatomical leatures of the fundus in highly myopic eyes Cancelled Home-Based Eye Care: Enhancing Patient Comfort and Reducing Carbon Footprint with Portable Technology Cancelled Enhancing ophthalmology education through a mobile flipped classroom: a new teaching method Sequential Serous Choroidal Detachment in Subjects Undergoing Bilateral Trabeculectomy Risk Factors for Ahmed Glaucoma Valve (AGV) Fallure in Glaucoma Patients Alcohol-Assisted Debridement in PRK with Intraoperative Mitomycin C Visual outcome and contrast sensitivity after photorefractive keratectomy in low to moderate myopia: Wavefront-optimized versus conventional methods Corneal Endothelial Cell Changes after Ahmed™ Valve and Molteno™ Glaucoma Implants Orthoptic Changes following Photorefractive Keratectomy Ahmed glaucoma valve and single-plate Molteno implants in treatment of refractory glaucoma: a comparative study Cancelled OPTICAL NEURITIS AND RETINOPATHY DUE TO DENGUE INFECTION IN CHILDREN: A FIRST DOCUMENTED RARE CASE REPORT Patterns of Uveitis in a Level Three Government Hospital: A Ten Year Study Bridging the Digital Divide: Implementing a Social Media Avatar for Ophthalmology Patient Education and Communication Sleep onset time as a mediator in the association between screen exposure and aging: a cross-sectional Study Evaluating imaging	27 (Fri.) 9:00 ~ 18:45 28 (Sat.) 9:00 ~ 16:45 QIANNAN LI (Japan) Yuta Nakaniida (Japan) YOSHIYASU SANO (Japan) RONGKAI SUN (Japan) Kenji Yoshitsugu (Japan) Yoshimi Ooya (Japan) Hitoshi Tabuchi (Japan) Yang Xu (Singapore) Bryan Sim (Singapore) Bryan Sim (Singapore) Michael Mahr (U.S.) Xi Chen (China) Samaresh Srivastava (India) Nader Nassiri (Iran) Nader Naspiri (Iran) Nader Naspir

June 28 (Sat.)

Congres Square Grand Green Osaka ROOM 1

session	program number	short title	speaker (country)
Symposium 4	ı	s research and Tele-ophthalmology Yoshiyuki Kitaguchi (Japan) , Raba THAPA (Nepal) CorneAl for iOS: Edge-Based Al Implementation for Anterior Segment Disease Classification on Mobile Devices automatic classification of corneal images Federated Learning Al for IOL Calculation Blow-out Fracture detection using Al (TBC) Cancelled Tele-ophthalmology service at rural and remote communities: achieving Sustainable Development Goal (SDG) at low resource setting	9:00 ~ 10:30 Yoshiyuki Kitaguchi (Japan) Yuta Ueno (Japan) Gaku Kiuchi (Japan) Naoki Okumura (Japan) Raba THAPA (Nepal)
Joint Symposium 1	ı	nd Clinical Perspectives – Artificial Intelligence and Myopia Tetsuro Oshika (Japan) , Ryo Kawasaki (Japan) Al for Medicine to Personalized Health Digital Twin Artificial Intelligence and High Myopia Adaptive Al-Driven Platform for Myopia Management Can We Predict & Control Myopia Using AI? Potential & Challenges of Using AI	10:30~11:30 Kazuhiro Sakurada (Japan) Yining Wang (Taiwan) Sina Fateh (U.S.) Mingguang He (Hong Kong) 中継会場
Luncheon Symposium 1	Chairs : SSY1-1 SSY1-2 SSY1-3 SSY1-4	dicine & AI for ROP Yoko Fukushima (Japan) , Peter Campbell (U.S.) Non-Imaging ML for ROP Tele ROP screening by VR Headset mounted smartphone-based Indentation fundus live videography Intelligent Diagnosis and Automatic Generation of Medical Imaging Reports for Retinopathy of Prematurity Innovations in AI-Assisted ROP Telemedicine AI for ROP prediction based on NICU monitoring signals	11:45 ~ 12:45 Yusuke Takeda (Japan) Deependra V Singh (India) Honghua Yu (China) J. Peter Campbell (U.S.) Yoko Fukushima (Japan) 共催 / sponsored:株式会社ネオキュア / NeoCure Inc.
Symposium 5	ı	see, Data Harmonization, Collaboration & Regulation Masahiro Miyake (Japan) , Malvina EYDELMAN (U.S.) Japan Ocular Imaging Registry Building Functional and Multimodal Imaging Data for Surgical Retinal Diseases Health Data Through the Lens of AI Ethics Federated Optic Disc AI GEN Japanese Cohorts Multimodal Data Integration in Ophthalmology: Enhancing Clinical Insights through AI-driven Analysis	13:00 ~ 14:20 Masahiro Miyake (Japan) Ning Cheung (Singapore) Nan Liu (Singapore) Hitoshi Tabuchi (Japan) Mariko Sasaki (Japan) Zongyuan Ge (Aus)
Symposium 6	ı	Lisa Zhuoting Zhu (Aus) , Yuta Nakashima (Japan) , T.Y. Alvin Liu (U.S.) Oculomics and Al: Predicting Metabolic Syndrome from Retinal Images in the JOI Registry How AI and Oculomics Will Unlock Secrets of Systemic Health and Change Care Delivery Beyond Ophthalmology From Vision to Value: A Cost-Effectiveness Framework for Oculomics Deployment Automated Diabetic Retinopathy Screening in the Primary Care Settings: Recent Progress and Future Potentials to Prevent Blindness Leveraging Oculomics for Chronic Kidney Disease Detection: Februlanting the Performance of RETFound-Enhanced Deep Learning Models Traditional Risk Factor Models and Oculomics for Major Adverse Cardiovascular Events Prediction Age/CVD risk	14:20 ~ 15:40 Koichi Nishitsuka (Japan) Alvin Liu (U.S.) Lisa Zhuoting Zhu (Aus) Alauddin Bhuiyan (U.S.) Charumathi Sabanayagam (Singapore) Yukun Zhou (UK) Yuta Nakashima (Japan)
Closing & Big data competion award 1	Chairs	Ryo Kawasaki (Japan) , Mingguang He (Hong Kong) , Tetsuro Oshika (Japan)	15:45 ~ 16:45

Congres Square Grand Green Osaka Myopia Society Venue 1

session	program number	short title	speaker (country)
Joint Symposium 1	1	nd Clinical Perspectives – Artificial Intelligence and Myopia E Tetsuro Oshika (Japan) , Ryo Kawasaki (Japan) Al for Medicine to Personalized Health Digital Twin Artificial Intelligence and High Myopia Adaptive Al-Driven Platform for Myopia Management Can We Predict & Control Myopia Using Al? Potential & Challenges of Using Al	10:30 ~ 11:30 Kazuhiro Sakurada (Japan) Yining Wang (Taiwan) Sina Fateh (U.S.) Mingguang He (Hong Kong)