

## 12. 2. Friday

09:00 - 09:10 Opening Remark

김중곤 (한국망막학회 회장)

09:10 - 09:52 Free Paper Session 1 최경식 (순천향대), 이상준 (고신대)

09:10 - 09:17	Incidence of Retinal Artery Occlusion and Related Mortality: Data from the Entire Korean Population between 2005 and 2018	황덕진 (한길안과병원)
09:17 - 09:24	Psoriasis increased risk for neovascular AMD and Retinal vein occlusion in Diabetic Patients : A nationwide population-based study	이미연 (가톨릭대)
09:24 - 09:31	Sphingosine-1-phosphate expression in human epiretinal membranes	전소희 (카이안과)
09:31 - 09:38	Update on Seoul Artificial Retina Project 서울인공망막 연구의 최근 상황	서종모 (서울대)
09:38 - 09:45	Does the retina reflect past blood pressure conditions?	조범주 (한림대)
09:45 - 09:52	Correlated activity in the degenerate retina inhibits focal response to electrical stimulation	구용숙 (충북대)

09:52 - 10:00

Break Time

10:00 - 10:54 Interesting Surgical Cases by Young Retina Specialists 이성진 (순천향대), 김성우 (호림안과)

10:00 - 10:09	ERM 수술 중 갑자기 발생한 eyeball collapse	정아름 (영남대)
10:09 - 10:18	Sticky silicone oil에 대처하는 법	최은영 (연세대)
10:18 - 10:27	Chandelier-assisted scleral buckling for RRD patient with Atopic dermatitis	강용구 (경북대)
10:27 - 10:36	A case of vitrectomy using artificial cornea in a patient with total corneal opacity due to corneal ulcer	김래영 (가톨릭대)
10:36 - 10:45	Schlieren phenomenon in vitreomacular traction: is this subretinal fluid?	문용석 (한림대)
10:45 - 10:54	A case of a frustrating repair of the patient with suprachoroidal hemorrhage	양지명 (동국대)

10:54 - 11:05

Break Time

11:05 - 12:09 Translational Research Symposium Tae Kwann Park (Soonchunhyang University), Suk Ho Byeon (Yonsei University)

11:05 - 11:30	Molecular Mechanisms of Pathologic Retinal Angiogenesis	Leo A. Kim (Harvard Medical School)
11:30 - 11:43	Bisretinoids: visual cycle adducts and implications for retinal diseases	Hye Jin Kim (Keimyung University)
11:43 - 11:56	Retinal degeneration by intraflagellar transport defects of photoreceptors	Junyeop Lee (Asan Medical Center)
11:56 - 12:09	Gene-edited human retinal organoid and mouse models to study inherited retinal diseases	Junwon Lee (Yonsei University)

12:09 - 12:15

Break Time

12:15 - 13:05 Novartis Luncheon Symposium 박규형 (서울대)

12:15 - 13:05	Unmet Needs in PCV & Brolicizumab Clinical Evidence in PCV	김성택 (조선대)
	Optimizing management using Brolicizumab in recalcitrant nAMD	신주영 (서울대)

13:05 - 13:25

Break Time

13:25 - 14:35 ERM Surgery Symposium Ha Kyung Kim (Hallym University), Maria Berrocal (Drs. Berrocal & Associates)

13:25 - 13:49	Using OCT to enhance the outcomes of ERM surgery	Stanley Chang (Columbia University)
13:49 - 14:02	Before deciding to peel the membrane off the macula	Christopher Seungkyu Lee (Yonsei University)
14:02 - 14:15	Special considerations in surgery for ERM: ILM tear	Joon Hyung Yeo (Chung-Ang University)
14:15 - 14:35	Discussion	

14:35 - 14:45

Break Time

14:45 - 15:27 Free Paper Session 2 김윤영 (대구가톨릭대), 김철구 (김안과병원)

14:45 - 14:52	Incidence and Clinical Course of Acute Endophthalmitis after Idiopathic Epiretinal Membrane Surgery with Microincision Vitrectomy	권한조 (부산대)
14:52 - 14:59	1차 수술로 폐쇄되지 않은 난치성 황반원공에서 자가혈소판농축액 주입술의 유용성	나호 (가톨릭대)
14:59 - 15:06	Pearls and Pitfalls in ERM surgery with bare RNFL: Practical Tips to Minimize Retinal Damage	양지명 (동국대)
15:06 - 15:13	Stress-free ILM flap technique	변석호 (연세대)
15:13 - 15:20	Topographic Assessment of Intraretinal Cyst Lesions and Its Prognostic Values in Idiopathic Epiretinal Membrane	변익수 (부산대)
15:20 - 15:27	안구 종양의 생검과 진단	김민 (연세대)

15:27 - 15:35

Break Time

15:35 - 16:43		Preferences in Real-word Clinic	강세웅 (성균관대), 오재령 (고려대)
		유리체망막의 감염성 질환에서 vitreous base shaving	
15:35 - 15:52		- 가능한 vitreous base까지 깨끗하게 제거한다	지영석 (전남대)
		- Vitreous base를 무리해서 제거하지 않는다	황덕진 (한길안과병원)
		라니비주맙/애플리버셉트에 치료 반응이 제한적인 neovascular AMD의 치료	
15:52 - 16:09		- 가능한 기존 약제를 이용하여 치료를 지속한다	윤창기 (서울대)
		- 적극적으로 브롤루시주맙 교체투여를 시행한다	조한주 (김안과병원)
		RVO에서의 anti-VEGF 치료	
16:09 - 16:26		- As-needed 주사로 충분하다	이기황 (아주대)
		- Proactive 주사를 적극적으로 시행해 볼 수 있다	사공민 (영남대)
		DME 없는 PDR에서 PRP 시 anti-VEGF 주사의 시기	
16:26 - 16:43		- PRP 전에 예방적으로 시행하는 경우도 많다	김동윤 (서울탑안과)
		- PRP 후 DME가 발생하는 경우에만 시행한다	김용규 (한림대)
16:43 - 16:50		Break Time	
16:50 - 17:46		Free Paper Session 3	김성수 (연세대), 유승영 (경희대)
16:50 - 16:57		The effect of nondamaging subthreshold laser therapy in patients with chronic central serous chorioretinopathy	노영정 (가톨릭대)
16:57 - 17:04		DeepPDT-Net: Predicting the Outcome of Photodynamic Therapy for Chronic Central Serous Chorioretinopathy Using Two-Stage Multimodal Transfer Learning	최은영 (연세대)
17:04 - 17:11		Clinical applications of metagenomic NGS in fungal endophthalmitis	이준엽 (서울아산병원)
17:11 - 17:18		DNA methylome and somatic mutation profiles in the aged retina and choroid	주광식 (서울대)
17:18 - 17:25		Differences in the incidence of aflibercept-related sterile endophthalmitis according to types of disposable syringes used	김지택 (중앙대)
17:25 - 17:32		Molecular characteristics of uveal melanoma in Korean patients	이승규 (연세대)
17:32 - 17:39		비파열성 뇌동맥류 치료로 코일색전술을 받은 후 발생하는 망막동맥/세동맥 폐쇄의 빈도 및 특성	김용준 (연세대)
17:39 - 17:46		Screening Practices Associated with Late Diagnosis of Hydroxychloroquine Retinopathy: Hospital-based and Population-based studies	안성준 (한양대)
17:46 - 18:00		Break Time	
18:00 - 18:50		Bayer Dinner Symposium	김중곤 (서울아산병원)
18:00 - 18:50		10 years of EYLEA® in Retina Society : unchanged positive long-term benefit-risk profile	김윤전 (서울아산병원)
		Optimal treatment using EYLEA® in neovascular AMD : considerations in macular fluid and flexible treatment	조한주 (김안과병원)

## 12. 3. Saturday

09:00 - 09:56		Free Paper Session 4	박영훈 (가톨릭대), 정우진 (동아대)
09:00 - 09:07		Choroidal Morphology on Ultra-widefield Indocyanine Green Angiography and Response to Aflibercept in Pachychoroid Neovasculopathy	백지원 (가톨릭대)
09:07 - 09:14		Imaging and clinical features of pulsatile polypoidal choroidal vasculopathy	최광연 (고려대)
09:14 - 09:21		Morphology of en face Haller vessel and MNV as predictive factors in AMD	김형찬 (건국대)
09:21 - 09:28		Volume-Rendering Three-Dimensional Image Analysis of Macular Neovascularization in Age-Related Macular Degeneration	최미현 (고려대)
09:28 - 09:35		습성황반변성 치료에 있어서 라니비주맙 vs 애플리버셉트: 어떤 약제를 선택해야 할지 시가 알려줄 수 있을까?	김재휘 (김안과병원)
09:35 - 09:42		Identification of Vitreous Humor Metabolome in Patients with Intermediate Age-Related Macular Degeneration	윤창기 (서울대)
09:42 - 09:49		Subretinal Fluid associated with Drusenoid Pigment Epithelial Detachment	조한주 (김안과병원)
09:49 - 09:56		OCT angiography in PED; Useful tips to detect vascular PED	이주은 (제안과)
09:56 - 10:05		Break Time	

10:05 - 11:15	<b>PDR Vitrectomy Symposium</b>	Young Hee Yoon (Asan Medical Center), Stanley Chang (Columbia University)
10:05 - 10:29	Lessons on diabetic retinopathy	Maria Berrocal (Drs. Berrocal & Associates)
10:29 - 10:42	Techniques for successful surgery in PDR with FVP or TRD	Woohyok Chang (Chang's Retina Clinic)
10:42 - 10:55	Surgery for proliferative diabetic retinopathy: When and How	Un Chul Park (Seoul National University)
10:55 - 11:15	Discussion	
11:15 - 11:25	Break Time	
11:25 - 12:15	<b>Plenary Lecture</b>	김순현 (누네안과병원), 함돈일 (성균관대)
11:25 - 11:50	초심자를 위한 망막 치료법	김시열 (대구 누네안과병원)
11:50 - 12:15	Retina toxicity; Hydroxychloroquine and Tamoxifen	윤영희 (서울아산병원)
12:15 - 12:20	Break Time	
12:20 - 13:10	<b>Alcon Luncheon Symposium</b>	김형찬 (건국대)
12:20 - 13:10	27G Vitrectomy techniques	Maria Berrocal (Drs. Berrocal & Associates)
	Beveled vitrectomy probe & Removal of vitreous cortex remnants	Dong Heun Nam (Gachon University)
13:10 - 13:30	Break Time	
13:30 - 14:36	<b>하려면 제대로 하기: 마이너 테크닉이지만 pearls and tips</b>	김중곤 (서울아산병원), 노영정 (가톨릭대)
13:30 - 13:41	Retinectomy / retinotomy in severe PVR	변익수 (부산대)
13:41 - 13:52	Fluid drainage in RD	이대영 (가천대)
13:52 - 14:03	Techniques and tips for silicone oil removal	이중현 (인제대)
14:03 - 14:14	Prophylactic Intraoperative laser retinopexy ; Retinal detachment repair vs. Macular surgery	김중곤 (서울아산병원)
14:14 - 14:25	Focal / grid laser photocoagulation to treat DME	조희윤 (한양대)
14:25 - 14:36	Chandelier를 이용한 scleral buckling	서의중 (충북대)
14:36 - 14:45	Break Time	
14:45 - 15:51	<b>Current Hot Topics in Retina</b>	이원기 (누네안과병원), 진희승 (인하대)
14:45 - 15:05	유전성망막질환에 대한 gene therapy, 가까운 미래에 대중화될 수 있을 것인가? - Gene therapy의 미래: Look on the bright side - Gene therapy 임상 적용의 난관들: Look on the dark side	김상진 (성균관대) 우세준 (서울대)
15:05 - 15:25	Anti-VEGF 바이오시밀러의 도입: a game-changer or quiet addition? 바이오시밀러, 오리지널 약제와 어떤 점이 같고 어떤 점이 다른가? 현재 약제 사용경향과 경제성을 바탕으로 평가한 바이오시밀러의 성공 가능성	이주용 (서울아산병원) 지동현 (가톨릭대)
15:25 - 15:38	2020~2021 진균안내염 outbreak 치료 결과를 통해 알아보는 진균안내염 치료의 핵심	최미현 (고려대)
15:38 - 15:51	COVID-19 감염과 관련된 망막 합병증 (with-corona 시대의 필수지식)	장지혜 (계명대)
16:00 - 16:56	<b>Free Paper Session 5</b>	신재필 (경북대), 박성표 (한림대)
16:00 - 16:07	2022 한국망막학회 대회원 Preferences and Trends (PAT) Survey for Multifocal IOLs	전소희 (카이안과)
16:07 - 16:14	당뇨 환자의 대사적 치료에 대한 인식 조사 - 한국망막학회 회원 대상 설문조사 결과 요약	김용규 (한림대)
16:14 - 16:21	Correlation Analysis between Immunogenicity and Clinical Outcomes of an Approved Ranibizumab Biosimilar, Amelivu® (SB11)	우세준 (서울대)
16:21 - 16:28	SB15, a Proposed Biosimilar to Aflibercept, in Neovascular Age-Related Macular Degeneration (nAMD): 32-week Results	사공민 (영남대)
16:28 - 16:35	Locations and Characteristics of Retinal Hemorrhage in Newborns and the Influence on Visual Function: 8-months Observation	서의중 (충북대)
16:35 - 16:42	Aggressive retinopathy of prematurity: a review on current treatment strategy	장지혜 (계명대)
16:42 - 16:49	Progression pattern of myopic maculopathy according to the severity of diffuse chorioretinal atrophy and choroidal thickness	박운철 (서울대)
16:49 - 16:56	Longitudinal changes of choroidal thickness in healthy children with myopia progression	안지윤 (서울대)
16:56 - 17:00	Break Time	
17:00 - 17:30	<b>학술상 수상자 강연</b>	
17:30 - 18:00	Break Time	
18:00 - 20:00	망막학회 총회	

## 12. 4. Sunday

<b>09:00 - 10:00</b>	<b>실전 Surgical Retina (유리체 - 망막 경계면을 파헤쳐보자)</b>	문준웅 (공덕서울안과), 김상진 (성균관대)
	09:00 - 09:12 유리체의 구조와 생리	이승규 (연세대)
	09:12 - 09:24 Vitreoretinal interface	황덕진 (한길안과)
	09:24 - 09:36 PVD induction의 모든 것	최경식 (순천향대)
	09:36 - 09:48 Impact of floaters on vision and mental health	마대중 (한림대)
	09:48 - 10:00 Not floaterectomy, but opacity removal	채주병 (서울탑안과)
<b>10:00 - 11:00</b>	<b>실전 Medical Retina (내일부터 당장 도움이 될 실전 포도막염 진단과 치료)</b>	김민호 (압구정성모안과), 송지훈 (아주대)
	10:00 - 10:15 포도막염 환자 치료 시 꼭 알아야할 기본과 핵심	안지윤 (서울대)
	10:15 - 10:30 비감염성 vs 감염성 포도막염	이지은 (이안과)
	10:30 - 10:45 포도막염 치료에 꼭 필요한 면역억제제 사용법 제대로 알기	김현웅 (인제대)
	10:45 - 11:00 개원가에서 생물학적제제(Biologic agent) 사용하기, Tips and Tricks!	양승재 (조은안과)
<b>11:00 - 11:20</b>	<i>Break Time</i>	
<b>11:20 - 12:20</b>	<b>따끈따끈 망막 관련 update!!! (최근의 망막, 백내장 관련 최신 소식, 신기술, 실용지식을 한번에 정리하자!!!)</b>	이주은 (제안과), 김유철 (계명대)
	11:20 - 11:30 망막 진단 장비	박강윤 (인제대)
	11:30 - 11:40 망막, 백내장 수술 장비	권한조 (부산대)
	11:40 - 11:50 망막, 백내장 수술 기구 및 인공수정체	조수근 (조은안과)
	11:50 - 12:00 보고 바로 활용할 수 있는 유용한 수술기법들	김민 (연세대)
	12:00 - 12:10 아바스틴 사용을 위한 실용 tip	임선택 (파랑새안과)
	12:10 - 12:20 보험 관련 update	김태완 (SNU 청안과)
<b>12:20 - 13:10</b>	<b>Allergan-Abbvie Luncheon Symposium</b>	유형근 (하늘안과)
	12:20 - 13:10 Long-term Efficacy and Safety profile of Multiple injections of Intravitreal Dexamethasone Implant	장우혁 (장우혁안과)

## e-Poster

Traumatic choroidal detachment - One baby retina surgeon's nightmare	김준형 (차의과학대)
Alpinumisoflavone ameliorates choroidal neovascularization and fibrosis in age-related macular degeneration in in vitro and in vivo models	한규진 (울산대)
망막분지정맥폐쇄에서 단핵구와 고밀도지단백 콜레스테롤	김성택 (조선대)
Prevalence and Risk Factors of Age-Related Macular Degeneration Among Pilots of the Republic of Korea Air Force	박재용 (공군 항공우주의료원)
The effect of intravitreal brodalumab on choroidal thickness in patients with neovascular age-related macular degeneration	배기웅 (한길안과)
황반부 모세혈관 확장증에서 발생한 황반원공 수술 후 지연성 폐쇄 증례	이국 (압구정성모안과)
Effect of Topical Bromfenac on the Outcomes of Idiopathic Epiretinal Membrane Surgery	김은아 (부산대)
Experiences with haptic related problems in intraocular lens fixation using Yamane technique	남기엽 (충남대)
Differential expression of aqueous humor microRNAs in central retinal vein occlusion and its association with matrix metalloproteinases: a pilot study	조희윤 (한양대)
Retinal Vascular Occlusion Risks in the COVID-19 Pandemic and after SARS-CoV-2 Infection	김용준 (연세대)
Comparison of the effect of air tamponade versus no tamponade after pars plana vitrectomy for idiopathic epiretinal membrane	황덕진 (한길안과)
Distinguishing retinal angiomatous proliferation from polypoidal choroidal vasculopathy with a deep neural network based on optical coherence tomography	황덕진 (한길안과)
Effect of intravitreal ranibizumab and aflibercept injections on retinal nerve fiber layer thickness	황덕진 (한길안과)
Peripapillary retinal nerve fiber layer thickness in patients with unilateral retinal vein occlusion	황덕진 (한길안과)
Assessing central serous chorioretinopathy with deep learning and multiple optical coherence tomography images	황덕진 (한길안과)
Vertical asymmetry analysis of macular microvasculature in epiretinal membrane patients with open-angle glaucoma	이민우 (건양대)
Multifocal electroretinography changes over 12 months after resolution of central serous chorioretinopathy: prospective observational study	홍인환 (한림대)
A case of sympathetic ophthalmia after intravitreal anti-VEGF injection in pachychoroidal neovascularization	유용선 (경상대)