

Guidelines for Free paper sessions:

- The allotted time for oral presentation is 8 minutes followed by 2 minutes of discussion.
- All presenters are advised to choose font and colours of slides appropriately in order to ensure better viewing by all.
- The presenters should upload their presentation in the preview area ahead of their schedule during afternoon tea session.
- Laptops will not be allowed for podium presentation.
- Please note that only members in training (research and clinical fellows, post-doctoral fellows) would be eligible for the best paper awards.

Free Paper Session 1

Day 1, 27th July 2019 Saturday

Parallel session (Basic Science)

Venue: Dynasty Hall

Time: 04:00 pm - 5:20 pm

Abstract No.	Presenting Author	Abstract Title	Institute
SR41 04:00 pm - 04:10 pm	Dr. Vivek Singh	Scarless wound healing of corneal scars using matrix-mimetic hydrogel from cadaveric decellularised extracellular-matrix	LVPrasad Eye Institute, Hyderabad.
PH7 04:10 pm - 04:20 pm	Dr. J. Nirmal	Pharmacokinetics of subconjunctival aflibercept in rabbits: Implications for ocular drug delivery	BITS Pilani, Hyderabad.
BC113 04:20 pm - 04:30 pm	Dr. Subbulakshmi Chidambaram	PIWI/piRNA as a key regulator of circadian rhythm in retinal cells	Pondicherry Central University, Pondicherry.
PH35 04:30 pm - 04:40 pm	Dr. N. Revathy	Aqueous humor metabolome in ocular inflammation and its treatment in rat model	AIIMS, New Delhi.
GE68 04:40 pm - 04:50 pm	Mr. C. Prakash	Investigation of Nuclear genes involvement in LHON pathogenesis	Aravind Medical Research Foundation, Madurai.
BCSN05 04:50 pm - 05:00 pm	Ms. R. Ramya	Paraoxonase-2 reduces Advanced glycation end product induced Endoplasmic Reticulum Stress and inflammation - In human micro and macrovascular endothelial cells	Vision Research Foundation, Chennai.
NA52 05:00 pm - 05:10 pm	Ms. M. Y. Thanuja	Ruthenium-loaded Silica Nanoparticles bound to Contact Lenses for Rapid pO ₂ Sensing in the Post Lens-Tear Film	Siddaganga Institute of Technology, Tumkur, Bengaluru.
MI48 05:10 pm - 05:20 pm	Ms. A. Divya	Proteomic analysis of <i>Aspergillus flavus</i> infected Human Corneal Epithelial cell phagosomes	Aravind Medical Research Foundation, Madurai.

Free Paper Session 2

Day 1, 27th July 2019 Saturday

Parallel session (Optometry and Clinical Science)

Venue: Regency Hall

Time: 04:00 pm - 5:00 pm

Abstract No.	Presenting Author	Abstract Title	Institute
CS10 04:00 pm - 04:10 pm	Ms. Jayanti Jha	The Influential role of BAP1 on DNA damage response pathway in uveal melanoma and its prognostic significance	AIIMS, New Delhi.
OP18 04:10 pm - 04:20 pm	Ms. Preetirupa Devi	Computational analysis of retinal image quality during spherocylindrical subjective refraction in keratoconus	L V Prasad Eye Institute, Hyderabad.
OP67 04:20 pm - 04:30 pm	Mr. Amithavikram Hathibelagal	Rapid assessment of rod and cone-mediated vision in patients with known diseases of the retina	L V Prasad Eye Institute, Hyderabad.
OP74 04:30 pm - 04:40 pm	Mr. Pavan Verkicharla	Effect of short-term myopic defocus on structural and optical components of human eye - An experiment to understand myopiogenesis	L V Prasad Eye Institute, Hyderabad.
OPSN13 04:40 pm - 04:50 pm	Ms .Vaishaali Gunalan	Ocular UV exposure as a primary risk factor for Pseudo-Exfoliation Syndrome	Vision Research Foundation, Chennai.
OPSN22 04:50 pm - 05:00 pm	Mr. Romans Chaudhary	The Distribution of accommodative lag among school children between 5 and 16 years old in Southern India	The Sankara Nethralaya Academy, Chennai.

Congratulations Travel Awardees!!!

You have been selected for the Travel Award based on merit of your Abstract

S. No	Poster Number	Name	Institute
1	BI133	Mr. Ujjalkumar S Das	Dr.R.P. Centre, All India Institute of Medical Sciences, New Delhi
2	PH237	Mr. Gowtham Lakshmi Narayanan	Dr.R.P. Centre, All India Institute of Medical Sciences, New Delhi
3	BC119	Ms. Durga M	Aravind Medical Research Foundation, Madurai
4	MI231	Ms. Irene D	Aravind Medical Research Foundation, Madurai
5	GE211	Ms. Sriee Viswarubhiny A S	Aravind Medical Research Foundation, Madurai
6	BC116	Mr. Naveen Kumar M	Narayana Nethralaya, Bangalore
7	SR129	Mr. Dhaval Shukal	Iladevi Cataract & IOL Research Centre, Ahmedabad
8	BC102	Ms. Rupa Ashok Roy	Pondicherry Central University, Pondicherry
9	SR128	Mr. Vinay Kumar P	LV Prasad Eye Institute, Hyderabad
10	MI220	Ms. Sai Prashanthi Gumpili	L.V.Prasad Eye Institute, Hyderabad
11	CS143	Ms. Mrigyanka Chakravarty	Tezpur University, Tezpur
12	BC115	Mr. Mithun Santra	PGIMER, Chandigarh
13	TE136	Mr. Revu VL Narayana	University of Hyderabad, Hyderabad
14	OP158	Mr. Saptak Banerjee	L.V .Prasad Eye Institute, Hyderabad
15	OP251	Mr. Jinal V Shah	L V Prasad Eye Institute, Hyderabad



BI133

Mr. Ujjalkumar S Das
All India Institute of Medical
Sciences, New Delhi



PH237

Mr. Gowtham Lakshmi Narayanan
All India Institute of Medical Sciences, New Delhi



BC119

Ms. M Durga
Aravind Medical Research
Foundation, Madurai



MI231

Ms. Irene D
Aravind Medical Research
Foundation, Madurai



GE211

Ms. Sree Viswarubhiny A S
Aravind Medical Research
Foundation, Madurai



BC116

Mr. Naveen Kumar M
Narayana Nethralaya, Bangalore



SR129

Mr. Dhaval Shukal
Iladevi Cataract & IOL Research
Centre, Ahmedabad



BC102

Ms. Rupa Ashok Roy
Pondicherry Central University,
Pondicherry



SR128

Mr. Vinay Kumar P
LV Prasad Eye Institute,
Hyderabad



MI220

Ms. Sai Prashanthi Gumpili
L.V.Prasad Eye Institute, Hyderabad



CS143

Dr. Mrigyanka Chakravarty
Tezpur University, Tezpur



BC115

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PGIMER, Chandigarh



TE136

Mr. Revu VL Narayana
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OP158

Mr. Saptak Banerjee
L.V .Prasad Eye Institute,
Hyderabad



OP251

Ms. Jinal V Shah
LV Prasad Eye Institute,
Hyderabad

Congratulations to all Poster Presenters!!

Guidelines for poster presentation:

- All posters should be mounted by **8:00 am** at their designated space on the scheduled date of presentation.
- Please take help of poster volunteers to do the same.
- Strictly **NO** posters can be mounted during the time allotted for poster session.
- The space provided for each poster is 48" vertical by 36" horizontal (4H x 3W feet).
- The presenters are advised to choose font and colors appropriately in order to ensure better viewing by all.
- The presenters should be available besides their poster during their scheduled poster session.
- A panel of judges will visit the poster during the poster session to evaluate and select the best poster.

Poster Session – Day 1

27th July 2019, Saturday from 12.45 pm - 02.15 pm

Poster Number	Name	Title
BC101	Dr. Renu Venugopal	MMP9 as a poor prognostic predictor in chronic Stevens Johnson Syndrome: A molecular study
BC102	Rupa Ashok Roy	Deciphering the functional interaction between Ephrin, a Receptor Tyrosine Kinase, and PIWIL4 in retinal cells
BC103	Dr. Srabani Karmakar	Inhibition of lysozyme and alpha crystallin fibril formation by proteins extracted from leaves of <i>Bacopa monnieri</i>
BC104	S. Sreenivasa Reddy	Dietary vitamin-B12 supplementation displays beneficiary effect against diabetic retinopathy in rats
BC105	Durairaj Duraikkannu	Inflammasome genes change in astrocytes on exposure to HIV1 TAT and are alleviated by anandamide.
BC106	Sanjukta Guha	Role of SLC4A11 and NRF2 in regulation of antioxidant signaling in corneal endothelial dystrophy
BC107	M. Sruthi Priya	The anti-angiogenic role of neddylation inhibitor, MLN4924 in human retinal microvascular endothelial cells
BC108	Rebecca Manohar	The elastogenic state of lens capsule in pseudoexfoliation syndrome: an ex vivo study
BC109	R.N. Nareshkumar	Apoptotic and anti-proliferative effect of Lysyl oxidase propeptide in human retinoblastoma cells
BC110	K. Anand Babu	Oxidative stress influences the scavenger receptor-mediated oxLDL uptake and augments the antioxidant Paraoxonase in ARPE-19 cells
BC111	P. Karthikka	Specific multimeric form of Adiponectin causes profibrotic effect in retinal pigment epithelial cells
BC112	S. Nikhala Shree	Decorin inhibits TGF- β 1 induced fibrosis in Human Tenon Fibroblast
BC113	Vignesh Menta	Alterations in sphingolipids metabolism in vernal keratoconjunctivitis
BC114	Nandini Prakash	Alterations in serum Neurotrophins in Diabetic Retinopathy

BC115	Mithun Santra	A novel nonenzymatic approach to pharmacologic vitreolysis
BC116	M. Naveen Kumar	Decreased expression of autophagy-related proteins in patients with pterygium disease.
BC117	Dr. Ushasree Pattamatta	Blocking Angiotensin II attenuates retinal ganglion cell survival in a mouse retinal explant model
BC118	Tanuja Vaidya	Aqueous humor soluble factors associated with different types of diabetic macular edema
BC119	M. Durga	Immunophenotypes of Macular corneal dystrophy in Indian population
BC120	Varsha Prabhu	Evaluating the role of MACC1 in Retinoblastoma
BC121	Sukrit Bhattacharyya	Vitreous humor proteomics in patients suffering from proliferative diabetic retinopathy
BC131	O. Rudhra	Surface Proteome and Surface Morphology of Melanised and Non-melanised Conidiospores of <i>Aspergillus flavus</i>
BC165	P. Niranjana	Quantitative profiling of tear proteome reveals down regulation of Zinc alpha-2 glycoprotein in <i>Aspergillus flavus</i> keratitis patients
SR122	Dr. Sachin Shukla	Mesenchymal stem cells for corneal blindness: adipose-derived mesenchymal stem cells for corneal repair
SR123	Abhinav Reddy Kethiri	Validation of the corneal stromal scar in animal model
SR124	Sudipta Mahato	Molecular insights into the role of RD3 in LCA disease pathogenesis
SR125	Savitri Maddileti	Safety testing of human induced pluripotent stem cell (iPSC) derived enriched cultures of retinal pigmented epithelial (RPE) cells in nude mice.
SR126	Dr. Charanya Ramachandran	Mapping the onset of endothelial to mesenchymal transition in cultured corneal endothelial cells
SR127	P. Saranya	Characterization of adult tissue resident stem cells in the human anterior lens epithelium
SR128	P. Vinay Kumar	Human PAX6 promoter a and its regulation in limbal stem cells

SR129	Dhaval Shukal	Activation of AMPK Prevents Epithelial-Mesenchymal Transition of Retina Pigment Epithelial Cells
BI130	A. Samdani	PepVis: A comprehensive toolkit for automating Virtual Screening of peptides for ocular therapeutics research
BI132	Anindita Rao	Meta-analysis of Microarray Data Reveals Dysregulated Cancer Pathways in Retinoblastoma
BI133	Ujjalkumar S Das	Vitreous penetration of intravenously administered 8 congeneric calcium channel antagonists in rabbits- A high-throughput QSPR approach
BI134	S. Muthukumaran	Probing the intermolecular interactions of Antizyme-Antizyme inhibitor complex reveals potential inhibitory peptides targeting polyamine synthesis in retinoblastoma cells
TE135	Sandeep Vempati	eyeSmart Cyclops: A Tablet Adaptor for Slits lamps in Teleophthalmology
TE136	Revu V. L. Narayana	Cytotoxicity of Carboplatin, Etoposide drugs loaded Lactoferrin protein nanoparticles on Rb Y79 cells and Cancer Stem Cells
TE137	Swatilekha Hazra	Silk fibroin membranes for the culture of human corneal endothelium
TE138	G. Divya	Studying the drug sensitivity of Retinoblastoma cells (Rb) in different extracellular Matrix composition and stiffness
TE139	R. Ranjith Kumar	Novel carbon and graphene scaffolds for cancer cell growth
CS140	Dr. Jyotirmay Biswas	Eales' disease - thirty five years of research at Sankara Nethralaya
CS141	Dr. Gazal Patnaik	Clinicopathological, immunohistochemistry and molecular biologic correlation in end stage uveitis and scleritis
CS142	K. Saraswathi	Clinical and genetic analysis of ocular adnexal lymphoma
CS143	Dr. Mrigyanka Chakravarty	Demographic and clinical profiles of Keratoconus patients from a tertiary eye care hospital in Assam, India.
CS144	Dr Saumya Jakati	Anterior Segment alterations in Congenital Primary Aphakia- A clinicopathologic report of 5 cases
OP145	Kowsigan Magesan	Pattern of Tubercular Uveitis in a Tertiary Eye Care Centre of South India – Sankara Nethralaya Tubercular Uveitis (SANTU) Study

OP146	Rukaiya Khan	Parinauds syndrome associated with diplopia
OP147	Rajesh Nagarajan	Early structural and functional neurovascular changes in the retina in pre-diabetic stage
OP148	Dr. Marisa Rodriguez-Carmona	Colour and flicker sensitivity loss in pre-diabetic subjects
OP149	Dr. Shrikant R. Bharadwaj	Objective assessment of accommodation, vergence and pupil behaviour in spasm of near reflex
OP150	Soumen Sadhu	Effectiveness of biologic therapy in patients with various types of refractory uveitis
OP151	Saranya Velu	Association of Renal Function with Age-related Macular Degeneration in south Indian population
OP152	Rehana Khan	Revised Glycemic index for diagnosis and monitoring of diabetes mellitus in South Indian population
OP153	Chris Elsa Samson Jacob	Assessing Performance of Activities of Daily Living in Patients with Low vision
OP154	Geetha Kumar	Estimated Glomerular Filtration Rate in type 2 diabetic patients and association with Diabetic Retinopathy in urban population-Indian study
OP155	Manideepak	Comparison of Ganglion cell thickness measurements in different severity of glaucoma in Indian population
OP156	K. Gayathiri	Changes on Ocular surface due to anti-glaucoma medications in Primary glaucoma
OP157	Pritam Dutta	Static and Dynamic assessment of pupil parameters in determining physiological anisocoria using an infrared pupillometer
OP158	Saptak Banerjee	Prevalence of spectacle use and pattern of spectacle wear in Tripura, India - A population based cross sectional study
OP159	Swathi Priya	Utility of anterior segment optical coherence tomography in corneal diseases, surgeries, dystrophies, degenerations, ectasias and secondary corneal complications at a tertiary eye care hospital
OP160	Nayan Gupta	Reading eye movements in Homonymous Hemianopia
OP161	Md Oliullah Abdal	Dichoptic therapy in residual amblyopia for adults - An Indian report
OP162	Anil Ramesh Yadav	Flicker sensitivity in normal aging eyes using rod-cone flicker test

OP163	Avina Patel	Relation between interocular wavefront aberrations and stereoacuity following refractive surgeries for myopia
OP164	Shashank Bhandary	Illuminance level in different indoor environment

Poster Session – Day 2

28th July 2019, Sunday from 12.55 pm - 02.15pm

Poster Number	Name	Title
GE201	K. Suganya	Screening for mitochondrial gene variations in primary glaucoma patients from India
GE202	G. Harshavardhini	Targeted resequencing in Bardet Biedl Syndrome: Implicative role of genetic modifiers
GE203	A. N. Rizza	Screening for the GWAS signals identified in European, African-American and Multi-ethnic type 2 diabetes, retinopathy cohorts in south Indian population
GE204	Lavanya Puppala	A molecular genetic investigation of congenital anophthalmia and microphthalmia
GE206	K. Jeyaprakash	Investigation of Human papillomavirus in non-familial retinoblastoma patients
GE207	Mansi Bhardwaj	Clinical relevance of aberrant lipid metabolism in eyelid sebaceous gland carcinoma
GE208	Dr. S. Srilekha	Molecular profiling of X-Linked recessive Retinitis pigmentosa: A pilot study on Indian cohort
GE209	M. Karthikeyan	Clinical and molecular characterization of Normal tension glaucoma in the Juvenile age group
GE210	Sushma Vishwakarma	Role of alternate complement pathway in the pathogenesis of diabetic retinopathy
GE211	A. S. Sreee Viswarubhiny	Whole Exome sequencing in two family trios with Leber's Congenital Amaurosis
GE212	Lakshmi Priyanka	Explorative network analysis of microRNA profiling and its target genes in Age-related Macular degeneration (AMD) patients
GE213	P. Gowri	Molecular Genetics of Mitochondrial Genes Associated with Leber's Hereditary Optic Neuropathy (LHON)
GE214	B. Lakshmi	Influence of inflammatory and angiogenic markers on ocular hypertension following intravitreal steroid administration

MI215	A. Selva Pandiyan	Evaluation of Direct Polymerase Chain Reaction, Conventional PCR and q-PCR methods with that of gold standard culture method for the diagnosis of infectious endophthalmitis
MI216	G.Rameshkumar	Epidemiology and molecular identification of Nocardia species causing Endophthalmitis by Multi locus sequence analysis (MLSA)
MI217	R. Siva Ganesa Karthikeyan	Genotyping and Phylogenetic Analysis of Ribosomal nuclear subunit (Rns) in <i>Acanthamoeba keratitis</i>
MI218	R. Jayasudha	A connect between the gut microbiome and ocular inflammatory diseases
MI219	Priyasha Mishra	Role of S100A12 in <i>Pseudomonas keratitis</i>
MI220	Sai Prashanthi Gumpili	Genomic diversity of ocular <i>Escherichia coli</i> by whole genome sequencing
MI221	K. Arunasri	Alterations in the bacterial microbiome of the vitreous in post fever retinitis patients
MI222	RanjithKonduri	Mhpb, a metabolic gene, is required for biofilm formation in ocular <i>Escherichia coli</i>
MI223	Prerana Sharma	Role of Type III secretion system inhibitor in <i>Pseudomonas keratitis</i>
MI224	Jaishree Gandhi	Innate immune responses of Retinal Microglial cells against <i>Aspergillusflavus</i> Challenge
MI225	Lalit Kishore Ahirwar	<i>Pythiuminsidiosum</i> Keratitis: Innate and Adaptive Immune Response in Rabbit Cornea
MI226	Poonam Naik	Differential stimulation of innate immunity of susceptible versus multidrug-resistant <i>Pseudomonas aeruginosain</i> retinal glial cells
MI227	Dr. Joveeta Joseph	Vitreous Fluid D-Lactate as a Biomarker in the Differential Diagnosis of Culture Negative Endophthalmitis
MI228	Dr. Dhanurekha	Application of Novel duplex PCR for the rapid detection of <i>Pythiuminsidiosum</i> in corneal specimens of ocular pythiosis patients
MI229	Dr. Durga Devi	Reverse Transcriptase PCR (RT-PCR) for detection of Toll Like Receptors in infective fungal keratitis samples
MI230	Dr. Janani	Association of Epstein Barr Virus with Neuromyelitisoptica – First report from India

MI231	D.Irene	Molecular mimicry between leptospiral antigen and human lens proteins: A possible trigger for cataract formation in leptospiral uveitis patients
MI232	C.Premkumar	Antibiotics usage in poultry around Delhi
MI233	Dr. Swaminathan Sethu	Ocular surface immune cell profile in dry eye disease
PH234	A.R. Vijayakumar	Ocular Manifestations of Systemic Administered CNS drugs: THE ophthalmologist's ROLE
PH235	Moksha Laxmi	Proteomic fingerprinting of aqueous humor in the rat model of uveitis
PH236	Nabanita Halder	Tear Pharmacokinetics of Extemporaneously Compounded Piperacillin-Tazobactam Eye Drop after Single and Multiple-Dose Topical Instillation in Rabbits
PH237	Gowtham Lakshmi Narayanan	Aqueous humor metabolomics of glaucomatous patients
PH238	Dewang Angmo	Assessing the role of endo cannabinoids in primary angle closure glaucoma
CS239	Dr. Meenalakshmi pathy	A pilot study on standardization and application of Mutant Prevention Concentration (MPC) of two fluoroquinolones on Coagulase Negative <i>Staphylococci</i> isolated from conjunctival swabs
CS240	Dr. Rachapalle Reddi Sudhir	Variability in the intensity of light scatter vis-à-vis SUN grading in uveitis
CS241	Dr. Mehal Rathore	Aqueous Flare in Uveitis: Measurements with a Spot Fluorometer
CS242	Dr. Shravya Sri Durgam	Outcomes of keratoplasty in Xeroderma Pigmentosum
CS243	Mariya Doctor	Pre-Descemetocoele: A clinico- OCT- pathological correlation
OP244	Najiya S. Kadavath Meethal	Visual field probability plots: A comparison between Standard Automated Perimetry and Eye Movement Perimetry
OP245	C. Vijay ReenaDurai	The pulfrich-illusion in unilateral pseudophakes
OP246	Rohit Dhakal	A new ocular expansion model for myopia: an outcome based on anterior and posterior scleral thickness analysis

OP247	Meenakshi Kumar	Prevalence of polypoidal choroidal vasculopathy in Indian population-: Risk factors, Clinical and Imaging characteristics
OP248	T. Amose	Non-invasive imaging signatures of chrrpe (combined hamartoma of retina and retinal pigment epithelium)
OP249	Jonnadula Ganesh Babu	Comparison of fundus image quality of 3 non-mydrriatic cameras for screening eye diseases in the community
OP250	Jan Sairah Varghese	Optic nerve head analysis for glaucoma - Training and its impact among optometrists and optometry students in India
OP251	Jinal V. Shah	Why is blur perceived during fusional vergence testing in humans?
OP252	V.C. Ashwini	Evaluation of iridotrabecular contact index using Swept-Source Optical Coherence Tomography in occludable and non-occludable angles
OP253	S. Dhanalakshmi	Impact of near vision correction on work ability among Hairdressers in unorganized/small scale sector
OP254	Priya Jana	Evaluate the Choroidal Thickness of the fellow eyes of Central Serous Chorioretinopathy
OP255	Sourav Datta	Construction and Validation of a logmar Hindi Chart: A multicenter study
OP256	Ritvika Raj Verma	The impact of spectacle scratches on visual performance
OP257	Asha	Peripheral Visual Performance as a Function of Age and Refractive error
OP258	Debananda Padhy	Clinical evaluation of 'e-see' a new wave front analysis based handheld auto refractometer
OP259	Vishal Biswas	A comparative analysis to find out the preferred and effective way to identify the new Indian currency note by blind individual
OP260	Priyanka Kammari	Refractive error profile in individuals with Albinism
OP261	KavithaVenkataramanan	Does binocular fusion makes the spot the Difference game faster and less erroneous?
OP262	K. Sruthi Sree	Status of eye health among school children in Kanchipuram district Tamil Nadu
OP263	C. Ambika	Profile of Ocular Conditions and compliance to referral among children after School Eye Screening