



LV Prasad Eye Institute

Publications
&
Research Grants

April 2016 - March 2017

Publications

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1. Abouammoh MA, Alsulaiman SM, Gupta VS, Younis A, **Chhablani J**, Hussein A, Casella AM, Banker AS, Arevalo JF; King Khaled Eye Specialist Hospital (KKESH) International Collaborative Retina Study Group. Surgical outcomes and complications of rhegmatogenous retinal detachment in eyes with chorioretinal coloboma: The Results of the KKESH International Collaborative Retina Study Group. *Retina*. 2017 Jan 6. doi: 10.1097/IAE.0000000000001444. [Epub ahead of print] PubMed PMID: 28067725.
2. Abouammoh MA, Alsulaiman SM, Gupta VS, Mousa A, Hirakata A, Berrocal MH, Chenworth M, **Chhablani J**, Oshima Y, AlZamil WM, Casella AM, Papa-Oliva G, Banker AS, Arevalo JF; King Khaled Eye Specialist Hospital International Collaborative Retina Study Group. Pars plana vitrectomy with juxtapapillary laser photocoagulation versus vitrectomy without juxtapapillary laser photocoagulation for the treatment of optic disc pit maculopathy: the results of the KKESH International Collaborative Retina Study Group. *Br J Ophthalmol*. 2016 Apr;100(4):478-83. doi: 10.1136/bjophthalmol-2015-307128. Epub 2015 Aug 20. PubMed PMID: 26294101.
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Text Book Chapters

1. Accommodation mechanisms. In the Handbook of Visual Optics. Edited by Pablo Artal. Vol I: 363 – 374. CRC Press – Taylor & Francis Group. **Bharadwaj, S.R.** (2017).
2. Cornea, 2-Volume Set, 4th Edition by Mark J Mannis, MD, FACS and Edward J Holland; Title: Corneal Diseases in the Developing World; Authors: **Pravin K. Vaddavalli, Khanna RC, Prashant Garg, Gullapalli N. Rao.**
3. Diabetic macular edema. In Nema H & Nema N (eds) Recent advances in Ophthalmology 13. JP Brothers 2017. Mohan N, **Videkar C, Behera UC, Panda KG, Das T.**
4. **Joveeta Joseph, Savitri Sharma.** Antifungal therapy in Eye infections: New Drugs, New Trends. Chapter 9, In “Recent Trends in Antifungal Agents and Antifungal Therapy” Basak Amit, Chakraborty Ranadhir, Mandal Santi. (Eds.) Springer India, New Delhi, 2016.
5. **Khanna RC,** Article in Vision Atlas released by IAPB (<http://atlas.iapb.org/vision-trends/eye-health-systems/>). Title: Strengthening eye health systems – some successful approaches.

Ongoing Research Grants

April 2016 - March 2017

Basic Research Projects

Kallam Anji Reddy Campus, Hyderabad				
No	Title of the Project	Funding Agency	Principle Investigator	Grant period
1	Next generation sequencing for characterization and validation of culture negative endophthalmitis	Dr Joveeta Joseph	Science and Engineering Research Board	2016- 2019
2	Genetics of Corneal Endothelial Dystrophies in Indian population	Dr Chitra Kannabiran	Science and Engineering Research Board	2016-2019
3	IL-22 mediated ocular host defense against A. flavus keratitis	Dr Sanhita Roy	Indian Council of Medical Research	2017-2020
4	Identification of ACSIKS Fungal Isolates / Anti Fungal Susceptibility	Dr Savitri Sharma	Asia Cornea Foundation	2017-2020
5	Wellcome Trust- To develop a rapid detection system for indentifying pathogens in the eye	Dr Prashant Garg	Wellcome Trust	2013-2016
6	C-Tracer 1- Phase 2	Prof D Balasubramanian/ Dr Inderjeet Kaur/ Dr Indumathi Mariappan	Champalimaud Foundation	2013-2017
7	Molecular epidemiology and Genomics complex and inherited eye diseases- DBT	Dr Subhabrata Chakrabarti	Department of Biotechnology	2013-2018
8	Genetic Analysis of Retinal Dystrophies-DBT	Dr Chitra Kannabiran	Department of Biotechnology	2015-2016
9	Identification of biomarkers for risk prediction and disease progression in diabetic retinopathy-DBT	Dr Inderjeet Kaur	Department of Biotechnology	2015-2016
10	Exploring the application of pluripotent and adult cells in the treatment of retinal and corneal disorders	Dr Indumathi Mariappan	Department of Biotechnology	2013-2018
11	Regenerative Protheses as Alternative to Donor Corneas for Transplantation to Treat Blindness	Dr Virender Sangwan	Department of Biotechnology	2014-2017
12	Generating corneal endothelium from the trabecular meshwork stem cells	Dr Charanya Ramachandran	Department of Science & Technology	2014-2017
13	To study the role of myofibroblast/stem cells in corneal wound healing response: identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing”	Dr Vivek Singh	Department of Science & Technology	2014-2017
14	Image enhancement technology for children with vision impairment an evaluation	Dr Premnandhini Satgunam	Department of Science & Technology	2014-2017
15	Role of antimicrobial peptides in pseudomonas keratitis- A translational approach from bench to patients	Dr Sanhita Roy	Department of Science & Technology	2014-2017
16	Utilizing the eye's optics to improve and predict vision of elderly humans	Dr Shrikant Bharadwaj	Department of Science & Technology	2014-2017
17	Mesenchymal Stem Cells for Limbal Stem Cell Deficiency and Vernal Keratoconjunctivitis: Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord	Dr Sachin Shukla	Department of Science & Technology	2014- 2019
18	UK-India Centre for Advanced Technology for Minimising the indiscriminate use of Antibiotics (UKICAT-MA)	Dr Prashant Garg	Department of Biotechnology	2015-2018

19	Proof-of-concept experimentation on gene correction in iPSCs and creating disease models of zebra fish by genome editing methods	Dr Indumathi Mariappan	Department of Science & Technology	2015-2018
20	Perceptual consequences of degraded optics in Human vision	Dr Shrikant Bharadwaj	Department of Science & Technology	2015-2018
21	Role of Vitro-macular interface changes in the pathogenesis of AMD	Dr Jay Chhablani	Department of Science & Technology	2015-2018
22	Ocular Candida albicans: overcoming antibiotic resistance by identification of genes involved in biofilm formation and antagonizing biofilm formation	Dr Shivaji S	Department of Science & Technology	2015-2018
23	Indo-US- Role of Human lens By-crystallins in the vascular remodeling of the eye	Prof D Balasubramanian	Department of Biotechnology	2015-2017
24	Creating zebra fish models of retinal dystrophy using genome editing methods	Dr Indumathi Mariappan	Department of Biotechnology	2016-2019
25	Understanding the molecular basis of glaucomas	Dr Subhabrata Chakrabarti	Department of Biotechnology	2013-2016
26	Genetic epidemiology of ocular diseases: The Central India Eye and Medical Study	Dr Subhabrata Chakrabarti	University of Heidelberg	2012-2019
27	Gene discovery in primary congenital glaucoma	Dr Subhabrata Chakrabarti	National Eye Institute, NIH	2013-2016
28	Identification of biomarkers for risk prediction and disease progression in Retinopathy of Prematurity: a potentially blinding neonatal disorder	Dr Inderjeet Kaur	Department of Biotechnology	2012-2016

Mithu Tulsi Chanrai Campus, Bhubaneswar

No	Title of the Project	Funding Agency	Principle Investigator	Grant period
1	Association of hepatitis C virus, Hepatitis B virus and chlamydia Psittaci in extranodal marginal zone B cell lymphoma	Dr Suryasnata Rath	Department of Biotechnology	2015- 2018
2	Targeting MYCN in Retinoblastoma DBT	Dr Mamatha Reddy	Department of Biotechnology	2014- 2017
3	Tear Cytokines & MMP assay in different stages of pseudoexfoliation syndrome	Dr Aparna Rao	Glaucoma Foundation Grant	2015 -2016
4	Search for molecular markers for pseudoexfoliation syndrome and pseudoexfoliation glaucoma-same disease or different	Dr Aparna Rao	Department of Biotechnology-Wellcome Trust	2016-2019
5	Understanding the role of Aurora Kinases in retinoblastoma-under Young Biotechnologist Award 2015	Dr Mamatha Reddy	Department of Biotechnology	2016- 2019
6	Retinopathy of prematurity	Dr Tapas Ranjan Padhi	Public Health Foundation of India	2016-2018

Clinical Research Projects

Kallam Anji Reddy Campus, Hyderabad

No	Name of the Project	Principal Investigator	Supported by	Duration
1	Acute Nonarteritic Anterior Ischemic Optic Neuropathy (NAION)	Dr Ramesha Kekunnaya	PAREXEL	2016-2019
2	Controlled Clinical Trial to Study the Safety and Efficacy of Triamcinolone Acetonide Injectable Suspension (CLS-TA)	Dr Mudit Tyagi	Excel Life Sciences	2016-2017
3	Assess safety, Immunogenicity and Efficacy of Ranibizumab (Intas Pharmaceutical Limited) for the treatment of treatment of Wet AMD(Age Related macular Degeneration)	Dr Vivek Dave	Lambda Pharma	2016-2018
4	Evaluate the safety profile of Intravitreal Ozurdex in the treatment of visual impairment due to Diabetic Macular Edema by actively identifying and evaluating the occurrence of adverse events and serious adverse events information	Dr Divya Balakrishnan	Clintech Pvt Ltd	2017-2018
5	Assess the Long-Term Safety of PRN Intravitreal Injections of DE-109 in subjects with Non-Infectious Uveitis of the Posterior Segment of the eye who have participated in the SAKURA Development Program.	Dr Somasheila Murthy	Excel Life sciences	2016-2017
6	Evaluate the efficacy and safety of Intravitreal Injections (IVI) of Ranibizumab in patients with visual impairment due to Diabetic Macular Edema	Dr Padmaja Kumari	Novartis	2016-2018
7	Assess the efficacy and safety of Ranibizumab Intravitreal Injections in patients with visual impairment due to Macular Edema secondary to Retinal Vein Occlusion	Dr Raja Narayanan	Novartis	2016-2018

Mithu Tulsi Chanrai Campus, Bhubaneswar

No	Name of the Project	Principal Investigator	Supported by	Duration
1.	Acute Nonarteritic Anterior Ischemic Optic Neuropathy (NAION)" (hereinafter Study), QPI-1007 (hereinafter Study Drug)	Dr Vivek Warkad and Uttam Rao	Quark Pharmaceuticals	2016-2018
2.	A Prospective, Multicenter clinical study to assess safety, Immunogenicity and Efficacy of Ranibizumab (Intas Pharmaceutical Limited) for the treatment of treatment of Wet AMD(Age Related macular Degeneration)	Dr Soumyava Basu	Intas Pharmaceuticals	2016-2017
3.	A Phase III, Multinational, Multicenter, Open-Label Extension Study Assessing the Long-Term Safety of PRN Intravitreal Injections of DE-109 in subjects with Non-Infectious Uveitis of the Posterior Segment of the eye who have participated in the SAKURA Development Program. SPRING	Dr Soumyava Basu	Santen	2016-2018

GMR Varalakshmi Campus, Visakhapatnam

No	Name of the Project	Principal Investigator	Supported by	Duration
1.	Clinical & Radiological Profile of Patients with unilateral idiopathic intracranial Hypertension	Dr Virender Sachdeva and Dr Varada Gokhale	In-House	2016-2018
2.	Clinical profile of idiopathic intracranial hypertension	Dr Virender Sachdeva and Dr Varada Gokhale	In-House	2016-2018
3.	Combination treatment of 5% Natamycin and 1% Voriconazole in fungal keratitis: a Prospective Randomized double masked clinical trial	Dr Merle Ferandes and Dr Antonio Di Zazzo	In-House	2016-2017
4.	Adult Onset Vernal Keratoconjunctivitis: a sex hormones disease	Dr Merle Ferandes and Dr Antonio Di Zazzo	Bietti foundation , Roma, Italy	2016-2017
5.	Comparative study between axial length measurement by Immersion and Contact A scan of eyes with poor fixation	Dr Varada Gokhale and Dr Vibhor Gupta		
6.	In-House	2017-2018		
7.	Comparison of WASCA Aberrometer derived refraction and manifest refraction in normals, forme fruste keratoconus and mild to severe keratoconus	Dr Merle Ferandes and Dr Abhinav Biala	In-House	2017-2018