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DIRECTOR’S MESSAGE

ASG has taken an initiative to start a medical and surgical fellowship programme in the specialties of Phacoemulsification, Refractive Surgery, and Vitreoretina. ASG has been in the forefront in giving the young postgraduates the platform to grow into superlative ophthalmic surgeons.

ASG has more than 100 doctors working from leading institutes including AIIMS (New Delhi), Sankara Nethralaya (Chennai), LVPEI (Hyderabad) and Aravind eye. We believe in nurturing young talent in practical aspects of ophthalmic sciences by hands-on experience in every aspect from basics to advanced training. These courses will become a cornerstone of surgical fellowship.
AIMS AND OBJECTIVE

This outline is intended to provide advanced specialty training (Fellowship) at ASG eye hospitals. The most unique point of completing the fellowship would be the structured approach and training in all practical aspects of the selected fellowship programme.

The fellowship programme aims to train the young postgraduate student of ophthalmology in real-world scenarios of examining and managing patients with practical planning approach and hands-on surgical training.

This will enable the fellow to successfully run an independent OPD and attain surgical proficiency along with the mastery of various minor procedures and investigations in OPD. The course also gives a chance to the fellows to conduct research and be involved in the teaching programme.

Additionally, Soft skills like communication, counselling, and the administrative management of hospital are expected to be imbibed in the course of the programme.
## STRUCTURE OF THE PROGRAMME

Subspecialty courses offered:

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ASG FELLOWSHIP PROGRAMME

Last date of Application
15th September
by Email to fellowship@asgeyehospital.com

Centre of Exam
Jodhpur  Bhopal  Kolkata
Varanasi  Guwahati

Travel and accommodation to centre of exam will be borne by the Candidate.

Mode of selection
MCQ and Interview on 19th September

Criteria for selection
Marks obtained in total

Publication
Maximum of 10 marks (5 marks for each publication only first author or corresponding author)

Interview
30 marks

MCQ in General ophthalmology
60 Marks, 1 hour duration

Result will be communicated on 21st September by email

The Selected candidates would be required to submit the following certificates for verification by the Institute at the time of joining of the training programme.

- MBBS Degree Certificate
- MCI Registration / State Council Registration Certificate
- PG-MS/DNB or DOMS certificate, whichever applicable

These documents will remain in the safe custody of the ASG Eye hospitals Academics Department and will be returned after completion of the course.
Date of Joining
1st October 2021 (in case of candidate not joining the seat will be offered to next eligible candidate)

Stipend
₹ 60,000/- month

Accommodation
The candidate needs to take accommodation on their own in nearby location to hospital premises.

Course fee
Nil

Duty schedule
Fellows are expected to attend hospital from **10 am to 7 pm** with lunch break in between. Emergencies will be handled under supervision. One off day per week (not necessarily Sunday) as per centre rules will also be given.

Leave rules
One Casual leave/Month
The fellow will attend OPD and OT, initially under supervision and then as per review, will be given independent work.

OPD
Goal will be independent handling of patients including skills of refraction, independently operating various machines like AR, NCT, OCT, Fundus Picture, FFA, Fields-HVF, minor procedures like syringing, Ultrasonography A and B scan, PST injection, dispensing of drugs and counselling of patients will be the goal.

OT
Direct Hands-on training will be provided to fellows as much as possible depending on the surgical proficiency and learning capability of the candidate. Peripheral posting of 1 month will be mandatory to increase the surgical exposure.

Academic schedule
Case presentations with discussion, Patient rounds, and journal clubs will be held weekly.
Research Paper

It is expected of the fellow to conduct and publish/present at least one original research work during the fellowship. One paid trip to national/state conference for paper presentation will be encouraged.

Evaluation & Appraisal

Regular evaluation & appraisal will be conducted to monitor the candidate's progress. The candidate will be required to appear for the periodic academic & clinical assessment programs for the resident doctors, every 3 months with the completion of His/her logbook. Their performance in these assessments will be considered at the time of award of fellowship completion certificate. All OPD patients, Procedures, OT notes should be meticulously recorded in the logbook.

Discipline and Decorum

ASG reserves the rights to terminate the fellowship in instances of breach of discipline, decorum and candidates not adhering to fellowship time schedule and guidelines.

Future Opportunities

Based on the performance of the fellow, future placement in the various growing centres of ASG will be considered on priority.

Faculty

In house consultants
Visiting consultants
Guest faculty
ASG FELLOWSHIP PROGRAMME

RETINA FELLOWSHIP (MEDICAL AND SURGICAL RETINA) COURSE OUTLINE:

The course will be divided into 6 segments of 3 months each with evaluation at end of every segment. Candidate will be required to achieve 50% marks of the total at the end of fellowship.

1st Quarter
Basics (History taking, refraction, examination, investigations, and Management approach)
Case presentation weekly Once. Total of 12 case presentations are compulsory.

- Retinal anatomy and physiology
- History and refraction in retinal patients
- Slit lamp examination, 90D and indirect ophthalmoscopy
- Fundus picture and fluorescein angiography
- Optical coherence tomography
- Modified Amsler-Dubois chart and colour coding
- Ophthalmic Ultrasound
- HVF, Visual Electrophysiology and Retcam imaging
- Work up of retinal patients and peripheral retinal lesions.
- Research methodology
- Research proposal
- Research topic presentation

2nd Quarter
Diagnosis and management of common pathologies.
Case presentation once weekly. Total of 12 case presentations.

- Diabetic retinopathy part 1
- Diabetic retinopathy part 2
- Hypertensive retinopathy
- Retinal detachment
- Age related macular degeneration
- Polypoidal choroidal vasculopathy
- Central serous chorioretinopathy
- Tractional retinal detachment
- Exudative retinal detachment
- Retinal degeneration and dystrophies
- Retinal vein occlusion
- Retinal artery occlusion
3rd Quarter
Diagnosis and management of difficult cases
Case presentation once weekly. Total of 12 case presentations.

- Macular telangiectasia and microaneurysm
- Macular hole and vitreomacular traction
- Epiretinal membrane
- Pediatric retinal diseases
- Retinopathy of prematurity
- Uveitis Nomenclature and examination grading
- Vasculitis
- White dot syndromes
- Vitreous hemorrhage
- Ocular ischemic syndrome
- Ocular melanoma
- Retinoblastoma

4th Quarter
Treatment modalities in retina and surgical retina
Case presentation once weekly. Total of 12 case presentations.

- Lasers in ophthalmology
- Lenses in ophthalmology
- Photo dynamic therapy and Pan retinal photocoagulation (single spot and PASCAL)
- Injections in ophthalmology
- Operative microscope and surgical technique in retina
- Band, buckle and oils
- Pharmacotherapeutics in retina
- Scleral buckling
- Gases and Pneumatoretinopexy
- Vitreoretinal surgery: Retinal detachment
- Silicone oil removal
- Proliferative vitreoretinopathy (PVR) and RD
5th Quarter
Surgical retina
Case presentation once weekly. Total of 12 case presentations.

- Endophthalmitis and its management
- Phacofragmentation
- Complications of VR surgery
- Giant retinal tear management
- Surgery of Ocular trauma
- Scleral fixation of intraocular lens (SFIOL)
- Diabetic TRD surgery
- Macular hole surgery
- Myopia and vitreoretinal complication
- Management and surgery in retinopathy of prematurity
- Surgery in pediatric retinal diseases
- Subretinal bleed management

6th Quarter
EXAMS
Presentation once weekly. Total of 12 presentations.

- Research presentation
- Paper Presentation and analysis
- MCQ's Based on 1st quarter and Journal Club
- MCQ's Based on 2nd quarter and Journal Club
- MCQ's Based on 3rd quarter and Journal Club
- MCQ'S Based on 4th quarter and Journal Club
- MCQ'S Based on 5th quarter and Journal Club
- Video recording and video presentation
- Surgical Audit- Retinal detachment and SOR
- Surgical Audit- Macular Hole and ERM
- Surgical Audit- VH and Diabetic TRD
- Surgical Audit- Endophthalmitis and SFIOL
7th and 8th quarter:
Independent assignment for surgical exposure.
Candidate will be posted for at least 3 months in other centres of ASG hospital for independent surgical cases and refinement of surgical skill.
PHACOEMULSIFICATION AND MEDICAL RETINA

COURSE OUTLINE
The course will be divided in to 6 segments of 3 months each with evaluation at end of every segment. Candidate will be required to achieve 50% marks of the total at end of fellowship.

1st Quarter
Basics, Investigation modality and uses
OPD work up – History taking, Refraction and examination.
Investigations and Management approach.

Case presentation once weekly. Total of 12 case presentations are compulsory. Wet lab, observation and ECCE training will be taught.

- Lens anatomy and physiology
- History and refraction in Cataract patients
- Slit lamp examination, 90D and indirect ophthalmoscopy
- Corneal topography and keratometry
- Optical coherence tomography, Gonioscopy and HVF
- Ophthalmic Ultrasound (A scan and B scan)
- IOL power calculation
- ECCE
- Work up of cataract patients
- Research methodology
- Research proposal
- Research topic presentation

2nd Quarter
Retina Basics, Investigation modality and uses
OPD work up – History taking, Refraction and examination.
Investigations and Management approach.

Case presentation once weekly. Total of 12 case presentations are compulsory.

- Retinal anatomy and physiology
- History and refraction in retinal patients
- Slit lamp examination, 90D and indirect ophthalmoscopy
- Fundus picture and fluorescein angiography
- Optical coherence tomography
ASG FELLOWSHIP PROGRAMME

3rd Quarter
Diagnosis and management of common pathologies.

Case presentation once weekly. Total of 12 case presentations.
Phacoemulsification surgical training.

- Basics of ECCE/SICS
- Phacoemulsification basics and OVD’s
- Surgical steps (Rhesis, hydro dissection and delineation)
- Phacodynamics
- IOL insertion, irrigation, aspiration, and closure
- Management of complication
- Glaucoma and cataract
- Subluxated cataractous lens
- Complicated cataract
- Pediatric cataract
- Traumatic cataract
- Anterior vitrectomy and SFIOL

4th Quarter
Diagnosis and management of difficult cases

Case presentation once weekly. Total of 12 case presentations.

- Macular telangiectasia and microaneurysm
- Macular hole and vitreomacular traction
- Epiretinal membrane
- Pediatric retinal diseases
- Retinopathy of prematurity
- Uveitis Nomenclature and examination grading
ASG FELLOWSHIP PROGRAMME

5th Quarter
Case presentation once weekly. Total of 12 case presentations. SICS and Phacoemulsification surgical training.
- Phacoemulsification in advanced IMSC
- Phacoemulsification in MSC
- Cataract in Operated LASIK and RK patients
- Multifocal IOL
- TORIC IOL
- EDOF IOL
- Cataract in operated VR and PPV
- Cataract in small pupil
- Anterior chamber and iris fixated IOL
- Pediatric cataract surgery
- Postoperative follow up and management
- Surgical recording and editing

6th Quarter
EXAMS
Presentation weekly Once. Total of 12 presentations.
- MCQ's Based on 1st quarter and Journal Club
- MCQ's Based on 2nd quarter and Journal Club
- MCQ's Based on 3rd quarter and Journal Club
- MCQ's Based on 4th quarter and Journal Club
- MCQ's Based on 5th quarter and Journal Club
- Research presentation
- Paper Presentation and analysis
- Surgical Audit- Cataract and Glaucoma
- Surgical Audit- Cataract in small pupil
ASG FELLOWSHIP PROGRAMME

- Surgical Audit- Cataract in advanced IMSC
- Surgical Audit- Intravitreal Injections
- Surgical Audit- LASER’s

7th and 8th Quarter
Independent assignment for surgical exposure.
Candidate will be posted for at least 3 months in other centres of ASG hospital for independent surgical cases and refinement of surgical skill.
PHACOEMULSIFICATION AND REFRACTIVE SURGERY

COURSE OUTLINE
The course will be divided into 6 segments of 3 months each with evaluation at end of every segment. Candidate will be required to achieve 50% marks of the total at end of fellowship.

1st Quarter
Basics, Investigation modality and uses
OPD work up – History taking, Refraction and examination.
Investigations and Management approach.

Case presentation once weekly. Total of 12 case presentations are compulsory. Wet lab, observation and ECCE training will be taught surgical hands on.

- Lens anatomy and physiology
- History and refraction in Cataract patients
- Slit lamp examination, 90D and indirect ophthalmoscopy method
- Corneal topography and keratometry
- Optical coherence tomography, Gonioscopy and HVF
- Ophthalmic Ultrasound (A scan and B scan)
- IOL power calculation
- ECCE
- Work up of cataract patients
- Research methodology
- Research proposal
- Research topic presentation

2nd Quarter
Diagnosis and management of common pathologies.

Case presentation once weekly.
Total of 12 case presentations. Phacoemulsification surgical training.

- Basics of ECCE/SICS
- Phacoemulsification basics and OVD’s
- Surgical steps (Rhesis, hydro dissection and delineation)
- Phacodynamics
- IOL insertion, irrigation, aspiration and closure
- Management of complication
ASG FELLOWSHIP PROGRAMME

3rd Quarter
Case presentation weekly Once.
Total of 12 case presentations. SICS and Phacoemulsification surgical training.

- Phacoemulsification in advanced IMSC
- Phacoemulsification in MSC
- Cataract in Operated LASIK and RK patients
- Multifocal IOL
- TORIC IOL
- EDOF IOL
- Cataract in operated VR and PPV
- Cataract in small pupil
- Anterior chamber and iris fixated IOL
- Pediatric cataract surgery
- Postoperative follow up and management
- Surgical recording and editing

4th Quarter
Diagnosis and management of common pathologies.

Case presentation once weekly.
Total of 12 case presentations. Phacoemulsification surgical training.

- Basics of refractive surgery and aberrations
- Selection criteria and evaluation
- Pentacam
- LASIK and microkeratome
- Femtosecond LASIK
- Femtosecond cataract
- Topo guided LASIK
- Wavefront guided LASIK
ASG FELLOWSHIP PROGRAMME

5th Quarter

- Laser in ophthalmology
  - Journal club: AAO
- Surgical Audit- Subluxated cataract
  - Journal club: AJO
- Surgical Audit: PCR management
  - Journal club: ICRS
- Surgical Audit: Phaco in advanced IMSC
  - Journal club: IJO
- Surgical Audit: Phaco in small pupil
  - Journal club: BJO
- Surgical Audit- Pediatric cataract
  - Journal club: EJO

6th Quarter

EXAMS

Presentation weekly Once. Total of 12 presentations.

- MCQ's Based on 1st quarter
- MCQ's Based on 2nd quarter
- MCQ's Based on 3rd quarter
- MCQ's Based on 4th quarter
- MCQ's Based on 5th quarter
- Research presentation
- Paper Presentation and analysis
- Surgical Audit- LASIK
- Surgical Audit- SFIOL
- Surgical Audit- ICL
- Surgical Audit- PRK
- Surgical Audit- Bioptics
7th and 8th Quarter
Independent assignment for surgical exposure.

Candidate will be posted for at least 3 months in other centres of ASG hospital for independent surgical cases and refinement of surgical skill.
APPENDIX- A
APPLICATION FORM- ASG FELLOWSHIP

Please complete ALL SECTIONS (BOTH SIDES) of this form using CAPITAL LETTERS

First name_________________________ Last Name_________________________

PRINT your name exactly as you wish it to appear on a certificate. Your name on all the documents, including the certificate, will be printed exactly as you write it on this application form. Please be sure that it is correct as no further changes will be allowed.

Address______________________________

City ____________________________________________

State ____________________________________________

Postal Code __________________________ Country______________________________

Gender  Male ☐  Female ☐

Nationality ________________________________

Telephone number (including country code) ________________________________

Email address ________________________________________________________

Date of birth _________________________________________________________

Present place of work __________________________________________________

Location/Choice of Exam centre

Jodhpur ☐  Bhopal ☐  Varanasi ☐  Kolkata ☐  Guwahati ☐
Sub speciality choice (Select only 1)

A. Phacoemulsification and refractive (Jodhpur only)   □
B. Phacoemulsification and Medical Retina (Bhopal, Kolkata, Varanasi)   □
C. Vitreo- Retina (Guwahati )   □

Degree(s)/Qualifications (with dates)

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Medical Registration number and state of registration

________________________________________________________________________

I agree that my name can appear on the ASG website and that my photograph may be reproduced by ASG in connection with the Examination(s)

I hereby apply to be admitted to the test to be held on 19th September 2021

Signature of Candidate ___________________________ Date ___________________________

Please scan this completed form to the following email address before 15th September 2020 fellowship@asgeyehospital.com
Mode of selection:
MCQ and Interview on 19th September and Result by E-mail on 21st September.
Criteria for selection: Marks obtained in total

**MCQ in General ophthalmology 60 Marks 1hour duration**

**Publication:**
Maximum of 10 marks (5 marks for each publication only first author or corresponding author)

**Interview:**
30 marks

Result will be communicated on 21st September by email.

**Joining Date:**
1st October

**Registration:**
Registration of state medical council should be taken once joined.