



TEHRAN UNIVERSITY OF MEDICAL SCIENCES

Program Curriculum

School: School of Medicine

Department: Department of Ophthalmology

Curriculum: Attached

Major: Glaucoma Fellowship

Level: Fellowship

Course Location(s): Farabi Eye Hospital

Course Description:

The glaucoma fellowship of the Farabi Eye Hospital and Tehran University of Medical Sciences has been established since 1995 and it aims to provide comprehensive training in the diagnosis and medical and surgical management of both routine glaucoma patients and complicated glaucoma cases commonly referred to tertiary centers such as ours. As a result, it has been successful in educating efficient glaucoma specialists who are serving as capable clinicians as well as excellent academic staff around the country and worldwide.

Course Objectives:

The fellow will gain ability in the diagnosis of different types of glaucoma in children and adults. Additionally, they will be able to perform surgical, medical, and laser treatment of glaucoma patients and their complications.

Clinical fellows are strongly encouraged to pursue original research and are provided time to do so. Research can be conducted in clinical or basic science in nature, depending upon the qualifications and interest of the fellows. As a researcher, the fellow will be able to critically review clinical and research articles, and successfully carry out a research project that can be presented at national or international meetings and published in a peer-reviewed journal.

Method of Instruction:

Clinical Responsibilities

1. Surgical Glaucoma

The preoperative (including active role in treatment planning), intraoperative and postoperative management of patients are among responsibilities of the fellow. The fellow will participate in glaucoma surgery and laser procedures, including trabeculectomy, shunting procedures, non-penetrating glaucoma surgeries, trabeculotomy and goniotomy, endocyclophotocoagulation and phacoemulsification of difficult and challenging cases. In addition, surgical training provides experience in the management of complications of previous procedures such as malignant glaucoma, choroidal drainage, etc. The fellow will also assist in, or sometimes supervise surgeries performed by a resident.

2. Medical Glaucoma

There is a weekly glaucoma text review conference and journal club in which selected recent publications concerning medical or surgical glaucoma topics are presented by the residents or the fellows and critically appraised by the faculty and the fellows. The retina fellows are also expected to actively attend and have periodic presentations in weekly Farabi Eye Hospital conference. The fellows may contribute to teaching and evaluating the residents. Fellows will take part in visiting and managing patients in glaucoma consulting clinic as well as in glaucoma follow-up clinics.

3. On Call Schedule

The most engaged ophthalmic emergency department in Iran is located at Farabi Eye Hospital. The graduates of the hospital are known nationally for their skills and expertise in managing trauma patients. The fellow will be involved in the management of the patients in the Emergency Department including anterior segment trauma patients, either as a treating or supervising physician.

Research Responsibilities

The fellows have opportunities to participate in research projects at Farabi Eye Research Center of Farabi Eye Hospital. In particular, fellows are expected to perform and accomplish at least one research project under the mentorship of the faculty during their fellowship course.

Curriculum

- Participation in Glaucoma Department clinics, surgeries and laser treatments
- Participation in Hospital/ Glaucoma Service Conferences, Case Presentation Conferences, and Journal Clubs
- Participation in research projects under supervision of the glaucoma service faculty
- Supervision and teaching of residents and medical students in the glaucoma service and in the Emergency Department
- Attendance and presentation at meetings such as: Iranian Society of Ophthalmology Annual Congress and Farabi Hospital Annual Meeting

As the main referral center of glaucoma in Iran, we have more than 200 patients each day. During the three-month period, the fellow will be present in clinic two days per week visiting new cases of primary or secondary glaucoma, postop, and follow/up patients.

They will be in operating rooms two days per week observing or helping attending for glaucoma procedures. Vast varieties of procedures are done in the OR, including trabeculectomy, phacotrabeculectomy, and shunting procedures. Modern surgeries like trabectome, endocyclophotocoagulation, deep sclerectomy and canaloplasty are also performed.

Course Instructor(s):

- Yadollah Eslami, M.D.
- Ghasem Fakhraie, M.D., Program Director, Director of the Glaucoma Service
- Sasan Moghimi, M.D.
- Massood Mohammadi, M.D.
- Zakieh Vahedian, M.D.
- Reza Zarei, M.D.

Course Instructor(s) CV: <http://farabieye.tums.ac.ir/node/113>

Who can attend:

Requirements:

- A degree in medicine approved by the Office of Vice-Chancellor for Global Strategies and International Affairs of Tehran University of Medical Sciences
- A degree in ophthalmology approved by the Office of Vice-Chancellor for Global Strategies and International Affairs of Tehran University of Medical Sciences
- Evaluation of application documents including curriculum vitae
- Personal interviews

Course Duration: 18 months

Contact Person:

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