



## **FELLOWSHIP PROGRAM IN FACIAL PLASTIC (TWO-YEAR PROGRAM)**

**Department of Otorhinolaryngology  
Postgraduate Center  
College of Medicine**

King Saud University  
Riyadh, Saudi Arabia

College of Medicine  
King Saud University  
ORL Department  
King Abdulaziz University Hospital

## **Introduction:**

The decision in obtaining a postgraduate/specialty training fellowship is the most important and career oriented one. A fellowship at which brings your dream at highly specialized, unique among your peers and give you the utmost confident in performing certain surgical procedures at high level in shorter period of time

Through the years, the King Saud University which is situated in the heart of Riyadh, Kingdom of Saudi Arabia played a major role and served as an instrument of this quest since it is credited as the largest and the best in the region government medical institution known to have the facilities and the experience in offering a fellowship in many fields of specialties that caters not only the Saudi Nationals but also in other parts of the Arab speaking Countries.

The otolaryngology and head and neck (ORL H & N) at King Saud University is unique having the prestige and qualities at being the center of excellence of practicing and providing major otolaryngology and head and neck surgery, accordingly its Facial Plastic Fellowship in its postgraduate and/or continuing medical education program.

## **Two-year Facial Plastic Fellowship Program**

### **Goals and objectives of program / training:**

The objective of the 2-year Facial plastic Fellowship is to provide an up to date and highly specialized graduate in the field of basic and fundamental aspects of Facial Plastic.

At the end of his training, he will be capable at taking surgical tasks at difficult level in an excellent manner. He as well has the basic knowledge to

prepare for his clinical and research paper, has the opportunity for advanced training in facial plastic and reconstructive surgery has to learn how to set up a well run and successful facial plastic surgery practice and has to gain exposure to the academic responsibilities expected of a fellowship trained in the field of facial plastic Fellow.

The training includes didactic sessions, clinical care, research opportunities and medical and surgical experiences

All aspect of facial plastic training is covered, with special emphasis on facial and cosmetic of face.

1. Full exposure to all aspect of diagnosis, medical and surgical care of facial deformity, trauma so that at the completion of the fellowship, the Fellow will be a well qualified and a safe surgeon in the field of facial plastic (e.g. scar revision, closed and open septorhinoplasty procedure) and its disorders as well as be well versed in the basic science knowledge underlying diagnosis and management.
2. Delineate updates in medical and surgical option for management of different facial-plastic disorders (Rhinoplasty, etc.....)
3. Learn the methodology and interpretation of facial plastic studies.
4. Expose to advanced facial plastic procedures
5. Undertake and complete a minimum of 1 clinical research project during the fellowship program to be agreed upon with the mentor at the start of the fellowship. The research topic will be presented/published at National or International otolaryngology / facial plastic meeting or journals. However, we recommend to do more than 1 research projects and this will be supported by the Staff as well.
6. Actively involvement in the teaching and academic development of King Saud University Hospitals.

### **Prerequisite / Selection Criteria:**

To be admitted to facial plastic subspecialty program, Candidate must:

1. A Board eligibility and/or Board certification in Otolaryngology/Plastic
2. Provide a sponsor and its release paper
3. Pass the oral interview

4. Two (2) reference letters from Consultants with whom the Candidate is currently working or has recently worked with, for a minimum period of six months.

## **General Guidelines**

1. The duration of sub-specialty training will be TWO (2) years.
2. Each fellow will be personally supervise and cater by the facial plastic group.
3. The evaluation of Fellow will be quarterly (3 months) through entire training period.
4. The Fellow will starts his training in the beginning of each academic year (1<sup>st</sup> of October)
5. The deadline for the Fellow's application is on the 15<sup>th</sup> of March each year.
6. Selection examination will be in a form of oral interview and it will be held end of March each year

## **Resources and facilities**

King Abdulaziz University Hospital is a tertiary care academic hospital attached to the College of Medicine, King Saud University, Riyadh, King of Saudi Arabia.

It is located in central area of Riyadh, the University Hospital is a specialized hospital for ORL H and N surgery and Ophthalmology with a capacity of 104 inpatient beds.

The total ambulatory visits to all Departments are approximately 305340 annually including 101705 emergency visits. There are about 300881 visits to ENT clinic each year.

The surgical case load is approximately 4,459 per year, all procedures are performed in the main OR in KAUH with 3 rooms being in use each day.

### **(1) Teaching staff:**

At present physician staff consists of two full time facial plastic practitioners with experience in teaching and training in the facial plastic subspecialty. In addition, the

other Teaching Staff of the Department and affiliated hospitals will also help in accomplishing the program's objectives.

(2) Equipment:

The ORL department in KAUH is a highly equipped center. All examination rooms and operating rooms are equipped with updated and latest instruments and video documentation facilities, simulation program in addition to excellent Laboratory, Radiology and Pathology services.

(3) Surgery:

Surgery includes a wide array of office procedure, routine facial plastic surgeries as well as complex and revision surgery using different techniques.

Cadaveric dissections will be carried out on human biological material using advanced instrumentation.

A variety of research opportunities are offered in collaboration with research department of College of Medicine, KSU to perform basic and clinically orientated research projects.

The scientific/academic computing center located in K.K.U.H., aids fellows, staff, and faculty in the scientific computing, including how to use the Center's computers and other facilities, statistical analysis, data acquisition, analysis techniques, research methodology, and mathematical/analytical methods.

(4) Capacity:

Only 1 Candidate per academic year will be accepted in the facial plastic Program

(5) Training committee:

The Training Committee will be comprised of the facial plastic Consultants at the ORL, H and N surgery Department of College of Medicine, KSU. All participating consultants in facial plastic fellowship program in affiliated hospitals will be Members at the Program Board Committee to evaluate the program progress and Fellow's performance.

## **Similarity between the suggested fellowship and the developed countries**

The aim and objective the 2-year KSU Fellowship in Facial Plastic sub-specialty basically is similar to that of the other existing Fellowship/Programs in the developed countries which is to extend teachings and impart knowledge and expertise in the variety of cases in the field of ORL.

Generally, the mode of teachings are the same where the theoretical and practical skills of the Candidates are given much importance for them to learn all the modalities of ENT cases in particular in the field of facial plastic. It may vary only on the way the Teaching Staff rendered their teachings due to individual mode or methods they are using.

Most of the advance technology that other Programs are having are likewise the same to our Program, since the Coordinators and other Personnel through the assistance of the University Faculties are going out of their way to have these in order to give the best quality of program and incidental to the Candidates' training.

## **Similarity between the suggested fellowship and the other Fellowship in Saudi Council for health specialties**

The King Saud University Fellowship in facial plastic sub-specialty is a neophyte proposed program and the Saudi Council for Health Specialties has no existing program to compare with, we can not indicate its similiary.

However, basically, the program intents to extend its training in a more intensive and focus in facial plastic cases and as similar to the objective as mentioned above.

## **Structure and content of the program**

### **I. Division of time and duties for the full 2-year period:**

- 12- month - Full exposure in clinical exposure in King Saud University's Teaching Hospitals
- 3-month - Elective rotation
- 3-month - Intensive training and exposure in maxillofacial trauma
- 6-month - Intensive training and exposure in plastic in 2 to 3 different centers

### **II. Clinical and Research Components**

#### **a. Clinical**

The fellow will participate “hands on” in all facial plastic clinics and in the operating room. The fellow will receive clinical training during facial plastic full-day clinics per week and surgical training in the operating room twice per week. Additional clinical teaching takes place during hospital rounds on facial plastic patients and during the care of emergency facial plastic cases.

The fellow is clinically involved in the on-call in the rotation of the mentor of fellowship taking 5 to 8 per month.

#### **b. Research**

The fellowship provides numerous opportunities for clinical and basic science research in the areas of nasal, ear plastic studies clinical/surgical outcomes. Fellows are encouraged to develop research proposals under the direction of the Fellowship Director with full Department support to present the work at the major meetings in Saudi Arabia or abroad not more than 2-month period.

#### **c. Elective period**

The fellowship provides opportunity to attend Mini Fellowship, Courses or get more experience in higher center worldwide as arranged by University Department or by Candidate himself after the approval of the Program Board..

### III. Fellow Supervision and Patient Care Responsibilities

Fellows are closely supervised during the first quarter of the Fellowship. As the fellow matures, patient care independence is allowed though still will be under the supervision of the Fellowship Director.

At the completion of fellowship, the fellow is able to evaluate and manage all medical and surgical disease related to the facial plastic:

Patient care responsibilities:

1. See and evaluate facial plastic patients in the facial plastic clinics.
2. Supervise the preparation process for patients requiring facial plastic surgery.
3. Pre-Post operative rounds in-hospital's facial plastic cases
4. Supervise otolaryngology residents on the facial plastic rotation.
5. Participate in the care of emergency facial plastic patients.
6. Receive consultations of all facial plastic cases referred from the department or from others.

### IV. Procedural Requirements

The following procedures are performed during the fellowship:

No.	Procedures	Number of cases
1	Basic septoplasty procedure	> 50 cases
2	Closed septorhinoplasty procedure	> 80 cases
3	Open septorhinoplasty procedure	>50 cases
4	Revision of septorhinoplasty	10 cases
5	Otoplasty	5 cases
6	Mentoplasty	5 cases
7	Liposuction	20 cases
8	Closed technique of septal perforation closure	5 cases
9	Open technique of septal perforation closure	2 cases
10	Scar revision	20 cases
11	Maxillofacial trauma include nasal bone fracture reduction	30 cases



## V. Didactic Components

- a. Attend all department conference pertaining to facial plastic
- b. Assist in implementation of annual facial plastic CME program
- c. Conduct a mandatory and pre-requisite research in the Department clinical presentation
- d. Give 2 Department otolaryngology resident lectures per year. Lecture topics included basic rhinoplasty approach and basic facial plastic principles.
- e. Attend otolaryngology journal club every month and proctor facial plastic papers being discussed.
- f. Supervise resident cadaver training dissection (optional)
- g. Supervise all use of laboratory dissection materials.
- h. Attend all otolaryngology clinical meetings.

The fellow will be required to

- Study epidemiology, statistical methods, experimental design, and manuscript preparation, including literature searches and the use of computerized and internet databases, so needs to complete a course in statistics in the first year.
- Complete 2 Basic / Advanced Facial Plastic Courses (**abroad, and encouraged to attend hands-on courses**)
- Participate in preparation of all the facial plastic division Courses and considered as Member in all Facial Plastic Committee.
- Participate in at least 2 - 12 weeks mini fellowship or clinical attachment **outside the Kingdom** as part of the elective rotation or period, to see and manage advanced and difficult facial plastic cases and surgery after approval of the Program Director.
- Attend at least one (1) conference (National or International) on facial plastic per year.
- Present and publish at least three (3) papers during his training. One (1) could be a case report but the other two (2) should be a well written high evidence ranking paper. (there is large time that is given for research as seen next and it should be objectively measured by publications)

## Evaluation

The fellow will be evaluated on the following items using postgraduate evaluation scale from 1 to 5, 1 being the lowest or very poor performance and 5 being the highest or outstanding performance (**1** = unsatisfactory performance; **2**= Below average; **3**= Average; **4**= Above average; **5**= Outstanding)

1. Patient care – compassionate, appropriate and effective for the treatment of health problems and the promotion of health in Saudi Arabia
2. Medical knowledge – established and evolving biomedical, clinical and cognate (epidemiological and social behavioral) sciences and the application of this knowledge to patient care
3. Practice-based learning and improvement – involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence and improvements in patient care
4. Interpersonal and communication skills – that result in effective information exchange and teaming with patients, their families and other health professionals
5. Professionalism – as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles and sensitivity to a diverse patient population
6. System based practice – as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.

## **Fellow Job Description**

Title: Facial Plastic Fellow

Department: Department of ORL H & N surgery, College of Medicine,  
KSU

Academic: Board Certification

Experience: 1) Demonstrate clinical competency to work at a fellow level  
2) Demonstrate potential medical supervisory skills  
3) Demonstrate potential teaching skills  
4) Demonstrate ability to promote good interpersonal relationship

### Terms of Employment:

- 1) KAUH, Riyadh
- 2) ORL H & N Department, KSU

### Functions:

#### a) General:

- ❖ Administer ORL patient care polices and protocols
- ❖ Provide exemplary facial plastic patient care to those patients under his/her care
- ❖ Cooperate with all the other staff to ensure exemplary patient care
- ❖ Attend rounds

#### b) Specific

- ❖ Help and/or assist in looking after critically ill patients
- ❖ Review, prepare and completed all the medical records of the facial plastic patients

#### c) Evaluation

- ❖ Assist in the evaluation of residents, medical students and interns.

#### d) Teaching

- ❖ Participate in the teaching of Medical Students, Residents, Interns, Nurses and patients

#### e) Research

- ❖ Undertake 1 research project (preferably randomized control studies) under supervision of Program Director, though, not

limited to only 1 and will encourage to have more than 1 as mentioned above and it will be fully supported by the Training Supervisors and the Department as well.

- ❖ Publish at least 3 publications during the program, case reports are accepted for only 1 publication

f) Others

- ❖ Assume responsibilities for the development and maintenance of own professional competency

g) At the end of the Fellow's training, he should meet the following objectives:

- The trainees will be able to demonstrate competency of facial plastic procedures and skills in the use of technology
- Demonstrate the ability to assess the facial plastic patient by
  - 1) Appropriate history taking and physical examination
  - 2) Selecting appropriate investigations
  - 3) Interpreting investigations
- Make management plan for all facial plastic problems
- Demonstrate effective communication skills
- Demonstrate academic qualities pertaining to facial plastic
- Demonstrate effective teaching of the residents
- Participate in research work of the department
- Understand the relevant aspects of staff management and administration pertaining to high intensity of work

h) At completion of 2-year program, King Saud University Fellowship in Facial Plastic Certificate will be awarded to the candidate from King Saud University

## **General Rules and Regulation: In accordance to the rules and regulations of KSU**

### 1. Admission processing

The Postgraduate Medical Education (PGME), Medical Education Center will accept and perform the preliminary review of applicants and forward applications to the Program Director.

The Departmental Residency Committee will then conduct the interview and or selection exam and recommends candidates for acceptance using the special form for selection of Candidate(s) {as stated above in general guideline}

Results will be forwarded to the Director of the Postgraduate Training Programs, who will forward the results to the Vice Dean of Postgraduate and Continuing Medical Education and the Dean of the College of Medicine. Upon approval of the results the PGME will write acceptance letters to the accepted Candidate(s).

The training will commence at the beginning of academic year – 1<sup>st</sup> of October. The accepted Candidate(s) will be registered with the Deanship of Admissions and Registrations.

Deadline for the submission of application will be 15<sup>th</sup> of March.

- 2) Rotations - New facial plastic fellows should be paired with Facial Plastic Consultant until their procedures have been certified
- 3) Teaching commitments must be protected
- 4) Number of on call –as stated above
- 5) Withdrawal:

A valid reason for withdrawal must be given in writing to the Facial Plastic Program Director. Submission of withdrawal should be made 3 months before the end of the training year to the Departmental Residency Committee (DRC) which will refer the request to the Postgraduate Training Board (PGTB) with recommendations. The final decision will be made by the PGTB who will give their final reasons in writing.

If in case the withdrawal was rejected by the PGTB and the Candidate left the program without permission, he will not be allowed to join any other programs for 1 year.

## 6) Examination

Candidate who has good performance in the evaluation must also pass the Facial Plastic Subspecialty Fellowship Examination distributed in the following criteria with a passing mark of 70%. While, the garnered passing marks is categorized as follows:

Excellent	=	95 to 100%
Very Good	=	90 to 94%
Good	=	76 to 89%
Pass	=	70 to 75%
Fail	=	below 70

a) Written Examination	-	40%
b) Oral Examination	-	30%
c) Evaluation	-	<u>30%</u>
	=	100%

## 7) Disciplinary actions

Disciplinary actions will be in accordance with the KSU Residency Training Programs Policies and Procedures. Any Candidate exhibiting poor performance or misconduct will be thoroughly discussed in the (DRC) and the policies and procedures will be applied.

In case of dismissal from the program, the DRC has to refer the matter to the PGTB for appropriate decision. The PGTB will then forward the matter to the Vice Dean of the Postgraduate and Continuing Medical Education.

## 8). Vacation

The Fellow is entitled to a 4 weeks vacation per year and should be approved by the Director of Facial Plastic Fellowship Program and in accordance with the Department's protocol and one of the Eid Holidays.

Justified absence from the program such as (sick and maternity/paternity leaves) should be compensated if more than 1 week per year.

Educational leave will be granted to attend one (1) hands-on course a year and one (1) international conference a year. If the candidate is presenting his/her research, he/she can attend any additional number of meetings to present her/his work. While, the elective training period for mini fellowships are not to be part of the educational leaves.

## **Fellowship Teaching Staff and/or Consultant**

- 1. Dr. Ahmed Al-Arfaj** Chairman, Assistant Professor,  
Consultant  
DLO, ENT Fellowship, FRCS (I),  
Facial Trauma & Reconstructive, USA  
Research Fellowship, USA
  
- 2. Prof. Sameer Bafaqeh** Professor, Consultant  
P. G. - George August University,  
West Germany  
Subspecialty - American Board in Facial
  
- 3. Prof. Mohammed Qattan** Professor / Consultant, FRCSC  
Plastic Surgeon, General Surgery
  
- 4. Dr. Ayman Helmi** MBBS, FRCS(C)  
Consultant  
Plastic, General Surgery Department  
Riyadh Military Hospital, Ext 21371
  
- 5. Dr. Othman Al-Tuwargi** DMD, MD, MSc.PhD  
Surgery Department  
King A/aziz Med. City

## **Program review**

The program will undergo a review process to be conducted by the King Saud University Training Program Directors in order to assess its training process and/or if any other improvement or rule to be implemented.

## **Program Certification:**

The Fellowship will be an accredited program affiliated to the department of ORL H and N surgery at College of Medicine, K.S.U. and its accredited residency program.

As of today, there is no other accredited facial plastic program in Saudi Arabia.