COLLEGE OF MEDICINE
DEPARTMENT OF OTORHINOLARYNGOLOGY

FELLOWSHIP PROGRAM IN PEDIATRIC OTOLARYNGOLOGY

1434 - 1435H
Introduction

King Saud University, College of Medicine is situated in the heart of Riyadh, Kingdom of Saudi Arabia and it offers a continuing medical education in different fields of specialty for almost two decades and that include Otorhinolaryngology and Head and Neck Surgery specialty.

The Graduates of the University have gone a long way and have proven their worth. Most of them are currently contributing their respective shares in extending training to the would-be fellows, as well as holding prestigious positions in different hospitals within and/or outside the kingdom.

Name of the Program

King Saud University fellowship Program in Pediatric Otolaryngology

The Objectives of the Program:

General aims:

1. The objective of the program is to produce a specialist in pediatric otolaryngology who has achieved competencies in most of the pediatric otolaryngology diseases.

2. It is a comprehensive structured education program designed to graduate an independent otolaryngologist Doctors with high standard skills, broad base of knowledge and competent clinical decisions.

Specific aims:

1. Provide the fellow satisfactory knowledge of principles common to all pediatric otolaryngology surgical practice.

2. Conferring the fellow knowledge in some related specialties for such as neonatology, pediatric intensive care, head and neck, plastic surgery, cardiothoracic, neurosurgery, pathology and other specialties.
3. The fellow will be able to gain experience in the diagnosis and medical and surgical management of diseases and disorders related to disciplines with pediatric otolaryngology such as: auditory system and speech pathology.

4. Developing the knowledge of the techniques of otology, rhinology, head and neck, and airway surgeries.

5. The fellow must demonstrate the ability to incorporate these matters in research methodology, data presentation, and analysis.

Admission requirements:

1. The applicant has to submit all the requirement of the postgraduate medical education
   - Filling up the Application Form
   - Curriculum Vitae (C.V.)
   - Transcript of records (copy)
   - original letters of recommendation
   - Letter of no objection from the sponsor
   - Postgraduate certificates copy (if any)
   - Saudi ID/Passport or Iqama for Non- Saudi (copy)
   - 6 picture (passport size)(Not applicable for female)

2. A basic qualification such as MBBS or equivalent degree acceptable by King Saud University.
3. Completion of Saudi or Arab Board in otolaryngology or its equivalent.
4. Pass successfully the admission exam and/ or the interview

Degree Requirements

Duration:

The fellowship is for 24 months (2 years)
Number of Position:

1 Fellow per year

Place of Training

1. The program is based at the college of Medicine and the activities conducted at King Abdulaziz University that contains 51 beds for otolaryngology specialty with 2 consultants supervising and coordinating the training.

2. King Khalid university hospital is offering supportive specialties such as intensive care and cardiothoracic surgery.

Resources and facilities

King Abdulaziz University Hospital (KAUH) is a tertiary care academic hospital attached to the College of Medicine, KSU, Riyadh. The total annual ambulatory visits to the ENT clinic about 301000 and the surgical case load is approximately 4459 surgeries/year. All procedures are performed in the main OR in KAUH with 3 rooms being in use each day. The fellow will have access to all facilities provided by participating hospital. The fellow will also have access to outpatients clinics, operating room and academic activities of the hospitals he/she is attached to during their rotation.

Number and qualification of supervisor and preceptors

There are 2 consultants in the otolaryngology specialty participating in training. Both consultants obtained their postgraduate training abroad. Summary of qualifications as follows:

**One consultant** – (Prof. Ahmed Al Ammar) a holder of KSU fellowship in otolaryngology and McGill University fellowship in pediatrics otolaryngology. Professor in College of Medicine/KSU

**One consultant** – (Dr. Manal Bukhari) a holder of Saudi Board in otolaryngology, and ( Prince of Wales University), fellowship in laryngeal voice surgery, assistant professor in College of Medicine / KSU.
Evaluation

1. End of rotation evaluation
   At the end of each training rotation, the supervising consultant/team shall provide the training committee with the result of resident’s performance during that period/rotation using the form of postgraduate medical education.

2. Annual overall evaluation:
   Average of summation of end rotation evaluation for the both years.

3. Final exam:
   Final exam will be at the end of second year (September). The exam includes MCQs (30 %), written and OSCE (30 %) and orals (40%).

Equivalence of the Program to other Degrees

The program has an objective of training doctors that can cope with international standards. The degree that a trainee will obtain then is equivalent to the fellowship of Pediatrics otolaryngology in Toronto University /Canada

Similarities to Other Local Programs and Abroad

Prestigious and international universities (to mention Cincinnati University in Ohio State OF America and Johns Hopkins fellowship in Baltimore/ America.

Locally we had an approved pediatric ORL fellowship program in King Abdulaziz Medical City at National Guard Health Affairs since 2007. Unfortunately; the program failed to train or graduate any candidate. So far it is on hold for the past 3 years.
Program structure
A. Educational

1. Academic half day

The academic half day represents three hours of teaching time for the resident every Wednesday from 2:00 to 5:00 p.m. Fellows will be excused from their clinic duties at this time to attend this half day if it is related to the sub-specialty. This day is structured with heavy resident input and includes didactic and interactive teaching sessions covering all of the major areas of general otolaryngology and the representative subspecialties of the field. In addition, special emphasis is placed on areas of perceived weakness such as pediatric otolaryngology. It is also a forum for teaching the competencies, ethics, medical legal issues, and subjects in fields related to otolaryngology. Attendance on these days is encouraged, and the fellow is expected to participate in this teaching.

2. Clinical meetings

The clinical meetings are every Wednesday from 1:00 to 2:00 pm. Most presentations are made by the attending staff and residents in the teaching program. However, presentations are occasionally reserved visiting professors from around the world with international reputations, or invited clinicians from the KKUH milieu. The meetings allow the fellows to critically review the literature pertaining to a specific case or small series of cases, and present that literature to their peers and staff in otolaryngology. Attendance for these meetings is mandatory.

3. Group rounds

Each ORL group has pre-op and post-op rounds once a week. The rounds are designed with heavy fellow input as to the operative management of the patients.

4. Journals clubs

Journal clubs are held 7 times a year on a Wednesday afternoon. Interesting cases are usually presented and are followed by a update on the topic presented. The papers are presented in a PowerPoint format with the presenting resident/fellow highlighting key points. The resident, the fellow, and the attending staff then critically review the paper.
5. **Guest speakers**

Guest speakers are scheduled on a regular basis throughout the academic year. Speakers are usually asked to give a pre-selected lecture on a Tuesday afternoon. The guests are invited well in advance, and the entire department is notified through ENT bulletin boards at each respective hospital. Verbal announcements are also made at university rounds concerning guest speakers.

**B- Clinical**

The fellow will participate “hands on” in all Pediatric Otolaryngology clinics and in the operating room. The fellow’s clinical schedule mirrors that of the director of Pediatric Otolaryngology fellowship program. Specifically, the fellow will receive clinical training during the weekly Pediatric Otolaryngology clinics and the surgical training in the operating room once per week. Additional clinical teaching takes place during hospital rounds on Pediatric Otolaryngology patients and during the course of the emergency Pediatric Otolaryngology cases only. The fellow is clinically involved in call from home at the time of the rotation of the mentor of Pediatric Otolaryngology fellowship taking call (approximately 1 in 2).

During the out patient clinic time, we hold a combined clinic with the CSSDU (Communication, Speech & Swallowing Disorders Unit) during the am session to discuss the complex cases that require multidisciplinary team care.

**C- Research**

The fellowship program provides numerous opportunities for clinical and basic scientific research in the Pediatric Otolaryngology and airway disorder. Fellows have to develop research proposals under the direction of the fellowship director with full departmental support to present the work at the major meetings in Saudi Arabia or abroad. The fellow is also required to conduct at least two research experiments during his/her training, and this research part will be included in the final evaluation and the end of each year.
D- Elective period

The fellowship provides opportunity to do elective training, courses, or gain more experience in a higher center worldwide as arranged by the university department or by the candidate himself after approval of the program board.

The Fellow will be given the opportunity to join any local pediatric otolaryngologist after being approved by the Committee of Fellowship for at least a month provided that 50% of the training is conducted at the University Hospitals.

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, however, under the supervision of the fellowship director. At the completion of the fellowship, the fellow is able to evaluate and manage most of the diseases related to pediatric otolaryngology.

Patient care responsibilities

1. Examine and evaluate patients in the Pediatric Otolaryngology clinics.
2. Supervise the preparation process for patients requiring Pediatric Otolaryngology surgery.
3. Round on Pediatric Otolaryngology in-patients.
4. Supervise otolaryngology residents on the Pediatric Otolaryngology rotation.
5. Participate in the care of emergency Pediatric Otolaryngology patients.
6. Be involved in any Pediatric Otolaryngology emergency patients even belongs to general otolaryngologist.
7. Be the primary physician of all Pediatric Otolaryngology cases referred by the department and others.
1. Procedural Requirements

The following procedures are performed during the fellowship:

Fellow and fellowship supervisors should be aware that the university hospital is a residency training hospital and fellows should not compete with the residents for their cases. The residents have the priority to any case that is classified as a "resident" case and the fellow should observe, train, and provide help as needed for the residents handling these cases.

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<th>Operations</th>
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<td>Myringotomoy and tube placement under LA</td>
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<td>Laryngobronchoscopy</td>
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<td>Endoscopic dilatation of subglottic stenosis</td>
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<td>Endoscopic excision of papillomas</td>
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<td>Endoscopic laser procedures</td>
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<td>Cricoid split</td>
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<td>Laryngotracheal reconstruction with anterior and/or posterior graft</td>
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<td>Cricotracheal resection</td>
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<td>Choanal atresia repair</td>
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<td>Excision of congenital nasal masses</td>
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<td>Excision of congenital neck masses</td>
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<td>Pediatric parotidectomy</td>
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<td>Pediatric submandibular gland excision</td>
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<td>Cochlear Implantation</td>
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2. Didactic Components

- Attend all department conference pertaining to Pediatric Otolaryngology.
- Assist in implementation of annual Pediatric Otolaryngology CME program.
- Give 1 updated Pediatric Otolaryngology research in the department clinical presentation/year.
- Give 6 lectures/year to otolaryngology residents.
- Review a minimum of 4 journal articles per year.
- Attend the otolaryngology journal club every month and proctor Pediatric Otolaryngology papers being discussed.
- Supervise resident cadaver training dissection.
- Attend all otolaryngology clinical meetings.
- Provide one resident’s seminar every 2 months, whereby the residents select the topic and he/she supervise the discussion. Exam type discussion is encouraged.
- Attend minimum of one faculty development program held at postgraduate Department in the College Medicine KSU.
- Complete the Bronchoesophagoscopy and Laser course.
- Participate in preparation of all the Pediatric Otolaryngology division courses and is considered as a member in all Pediatric Otolaryngology Committees.
- Attend at least one conference (national or international) related to Pediatric Otolaryngology per year.
- Prepare at least 2 peer review publications.
A suggested division of time and duties for the full two year period is as follows:

Year one

* First three months:
  - Head and Neck Cadaver dissection in the anatomy department, College of Medicine K.S. U. (one day).
  - Research day in collaboration of research center, College of Medicine K. S. U. (one day)
  - One day Pediatric/Laryngology clinic
  - One day operation room

* Second nine months:
  - One day research
  - Audiology/Speech rotation
  - One day clinic Pediatric Otolaryngology
  - One day operation room
  - One day pre & post operation round

Year Two:

* First three months:
  - Neonatal/ Pediatric Intensive Care Unit
  - Oncology/Radiology
  - Cardiothoracic rotation
  - One day OR
  - One day research

* Second nine months:
  - One day clinic
  - One day pre & post operation round
  - One day OR
  - Two days research
Certification

At completion of two years Pediatric Otolaryngology program and passing all the exams and evaluation, the King Saud University fellowship in Pediatric Otolaryngology will be awarded to the candidate from postgraduate of medicine in K.S.U.

General Rules and Regulation: Accordance to the rules and regulations of KSU

4) Number of on call

The candidate will be assigned a shadow on-call with the fellowship staff for pediatric otolaryngology cases (not more than 1 in 2).

5) Withdrawal

A valid reason for withdrawal must be given in writing to the Pediatric Otolaryngology 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. In case the withdrawal was rejected by the PGTB and the resident left the program without permission, he will not be allowed to join any other programs for one year.

6) Disciplinary actions

Disciplinary actions will be in accordance with the KSU Residency Training Programs Policies and Procedures. Any resident 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.
7) Vacation

* Must be according to the postgraduate guidelines, please refer to the KSU Residency Training Programs Policies and Procedures.
* The fellow is entitled to a four (4) weeks vacation per year and should be approved by the director of Pediatric Otolaryngology Fellowship program and in accordance with the Department protocols.
* The fellow should have one of the Eid Holidays.
* Justified absence from the program such as sick and maternity/paternity leave should be compensated if more than 1 week/year.
* Educational leave will be granted to attend one hands-on course a year and one international conference a year. If the candidate is presenting his / her research, he /she can attend any additional number of meetings to present his / her work.

The elective training periods for minifellowships are not to be part of the educational leaves.

Suggested Readings

It is highly recommended that each fellow read the following:

1. Pediatric Otolaryngology part of general textbooks of otolaryngology general reference (i.e.) Cummings, Scott-Brown, Bailey and Ballenger)
2. Pediatric Otolaryngology (Bluestone)
3. Practical Pediatric Otolaryngology (Cotton)
4. Surgical Pediatric Otolaryngology (Potsic)
5. Otolaryngology Clinics of North America series
6. Computer applications SPSS:Data management program
7. How to write and publish a scientific paper (Day)
   Reference Manager program