

**Educational Goals and Objectives of the Otolaryngology-Head and Neck Surgical Residency Program of  
the University of Louisville-HSC  
(ACGME Program # 2802021041)  
Revised July 1, 2006**

## **PGY-1 Year:**

### Goals:

1. To learn basic skills in the evaluation and management of adult surgical patients including critical care of seriously ill patients. This is accomplished through rotations on a variety of surgical and surgically related subspecialties including Trauma and Critical Care, Anesthesia, Thoracic Surgery, Emergency Medicine and Neurosurgery.
2. To learn basic skills in the evaluation and management of pediatric surgical patients including critical care of seriously ill patients. This is accomplished through rotations on the Pediatric Surgical Service.
3. To learn how to write orders and follow-up on orders and data in a routine and systematic manner
4. To acquire basic surgical skills necessary for progression in training in Otolaryngology-Head and Neck Surgery including but not limited to the following:
  - a. Incision and debridement of wounds
  - b. Multilayer closure of traumatically induced or surgical wounds
  - c. Performance of orotracheal and nasotracheal intubation in pediatric and adult patients
  - d. Performance of tracheotomy including emergent airway management
  - e. Performance of thoracostomy tube placement
  - f. Performance of central venous line placement

### Objectives:

1. Appropriate documentation of History and Physical exam on an adult surgical patient
2. Appropriate documentation of patient orders on an adult surgical patient
3. Appropriate documentation of History and Physical exam on a pediatric surgical patient
4. Appropriate documentation of patient orders on a pediatric surgical patient
5. Appropriate documentation of follow-up notes on adult and pediatric surgical patients
6. Acquisition of basic surgical and critical care skills including but not limited to the following:
  - a. Incision and debridement of wounds
  - b. Multilayer closure of traumatically induced and surgical wounds
  - c. Performance of orotracheal and nasotracheal intubation in pediatric and adult patients
  - d. Performance of tracheotomy including emergent airway management
  - e. Performance of thoracostomy tube placement
  - f. Performance of central venous line placement

### Rotations:

#### 1. Trauma and Critical Care

- a. Clinical Site: Based at the University of Louisville Hospital and Clinics
- b. In patient experience at the University of Louisville Hospital as part of the Trauma I or Trauma II Team
- c. Participation in the Outpatient Continuity Clinic at the Ambulatory Care Building
- d. Resident Responsibilities:
  - i. Attend in house coverage of the University of Louisville Trauma teams with in house call responsibilities no more often than once every three nights.
  - ii. Attend the Outpatient Clinic of the Trauma Service on a Weekly basis
  - iii. Acquire clinical skills of evaluation and management of the traumatically injured or critically ill surgical patient including history and physical exam and the writing of initial and follow-up order sets on these patients
  - iv. Acquire basic surgical and critical care skills such as:
    1. Intubation, nasotracheal and orotracheal
    2. Placement of thoracostomy tube
    3. Tracheotomy and emergent airway management
    4. Incision and debridement procedures
    5. Central Venous Line placement
- e. Conferences: Residents assigned to the Trauma/Critical Care Service are required to attend the weekly Quality Assurance Conference (formerly Morbidity and Mortality Conference) of the University of Louisville Hospital, Department of Surgery Grand Rounds on a weekly basis, Trauma and Critical Care Conference, and daily Trauma and Critical Care Rounds.

#### 2. General Surgery, Elective Rotation at Norton Hospital or University of Louisville Hospital

- a. Clinical Site: Either the University of Louisville Hospital and Clinics or the Norton Hospital, both on the Health Sciences Campus
- b. In patient experience in the care of non-critical elective surgical patients with common surgical ailments
- c. Outpatient Continuity experience is available at the ULH rotation, but not Norton Hospital which is exclusively and inpatient experience
- d. Resident Responsibilities:
  - i. Attend elective surgical operations in order to acquire knowledge and skill of basic surgical technique including tissue handling and closure.
  - ii. Perform initial evaluation, history and physical exam of surgical patients and document these encounters.
  - iii. Learn appropriate preoperative evaluations and determinations of comorbidities and risks in elective surgical patients and learn to coordinate care with other medical and related disciplines in the care of these patients
- e. Resident Conferences: Weekly Quality Assurance Conference at the University of Louisville Hospital, Attendance and participation in Surgery Grand Rounds, participation in daily attending surgical rounds at the Norton/ULH

**PGY-1 Year (continued)**

Rotations (continued)

**3. Pediatric Surgery**

- a. Clinical Site: Kosair Children's Hospital and Clinics
- b. Inpatient experience at the Kosair Children's Hospital including the Emergency Room, Operating Room, Neonatal Intensive Care Unit, Pediatric Intensive Care Unit, and Medical/Surgical inpatient units.
- c. Outpatient experience with continuity and follow-up at the Pediatric Surgery Clinic of Kosair Children's Hospital
- d. Resident Responsibilities:
  - i. Performance of Initial History and Physical Examination and documentation of these encounters on children presenting to the Pediatric Surgical Service of Kosair Children's Hospital.
  - ii. Performance and documentation of initial orders and follow-up of orders and data on Pediatric Surgery patients
  - iii. Performance of common medication orders including IV fluid orders with appropriate attention to age and weight specific criteria
  - iv. Performance of basic incision and debridement, multilayer wound closure, and simple skin and soft tissue surgical procedures in Pediatric Patients
- e. Resident Conferences: Weekly ULH Quality Assurance Conference, Monthly Pediatric Surgery Quality (Morbidity and Mortality) Conference, Pediatric Surgery Daily attending rounds, PICU and NICU rounds with Surgical Attendings.

**4. Cardiovascular and Thoracic Surgery Service**

- a. Clinical Site: Jewish Hospital
- b. Inpatient experience in the care of critically ill patients requiring cardiovascular or non-cardiac thoracic surgical intervention
- c. Resident Responsibilities:
  - i. Performance of initial evaluation and history and physical examination and documentation on patients presenting to the Cardiovascular and Thoracic Surgical Service at Jewish Hospital (The University CVT faculty)
  - ii. Performance of initial and subsequent orders and follow-up on the orders and data on Cardiovascular and Thoracic Surgical Patients.
  - iii. Performance and participation in surgical procedures including airway management, bronchoscopy, central line placement and thoracostomy tube placement
  - iv. Acquisition of knowledge and skills regarding the resuscitation of patients from cardiopulmonary arrest
  - v. Call responsibilities no more than every third night in house to work with the Cardiovascular and Thoracic resident and attending staff on call in the routine and emergent management of patients
  - vi. Acquisition of knowledge and application of knowledge regarding the use of cardiac and pulmonary support medications and devices such as ventilator management
  - vii. Acquiring initial knowledge of interfaces of the Cardiovascular and Thoracic Surgeon with the Otolaryngologist Head and Neck Surgeon
- d. Required Conferences: Weekly Quality Assurance Conference held at ULH, Daily Attending Rounds for Cardiovascular and Thoracic Surgery.

**5. Neurosurgery**

- a. Clinical Site: Norton Hospital, University of Louisville Hospital, and Kosair Children's Hospital
- b. Inpatient and outpatient experience in care of adult and pediatric neurosurgical patients for one month
- c. Resident Responsibilities:
  - i. Performance of initial evaluation, history and physical examination and documentation of patients admitted to the Neurosurgical Service. The experience is divided among the Adult and Pediatric Neurosurgery service
  - ii. Performance of initial and follow-up orders and follow-up on those orders and data for patients assigned to the resident that are admitted to the Neurosurgical Service
  - iii. Performance of thorough Neurologic Exam of adult and pediatric patients with attention on rapid identification of critical situations such as increased intracranial pressure or meningitis.
  - iv. Performance of basic Neurosurgical Procedures under observations such as soft tissue closure of head wounds, lumbar puncture, and management of ICP monitoring devices
  - v. Acquiring basic skills at the interpretation of basic imaging studies relevant to Neurosurgery such as diagnostic computed tomography and magnetic resonance imaging of the head and neck.
  - vi. Initial exposure to areas of interface between Neurosurgery and Otolaryngology-Head and Neck Surgery.
- d. Required conferences: Neurosurgery Grand Rounds (weekly), Neurosurgery Morbidity and Mortality Conference (Monthly), Neurosurgery Tumor Board (bimonthly), Daily attending rounds at assigned hospital

**6. Emergency Medicine**

- a. Clinical Site: University of Louisville Hospital Emergency Room
- b. Emergency Room Experience in a Level I Trauma Center
- c. Resident Responsibilities:
  - i. Initial evaluation and presentation of patients to upper level Emergency Medicine Residents and Attending Staff, including the full gamut of patients with medical and surgical illness and injury.
  - ii. Development and refinement of initial management plan for patients presenting to the Emergency Room
  - iii. Acquiring and performing basic skill including but not limited to the following:
    - a. Basic and advance CPR
    - b. Emergent airway management

**PGY-1 Year (continued) Rotations (continued)**

6. Emergency Medicine (continued)

c. Resident Responsibilities (continued)

- iv. Performing cleaning and closure of soft tissue injuries not requiring subspecialty intervention. An working with upper level Otolaryngology-HNS resident on the assessment and closure of soft tissue facial injuries.
- v. Learning appropriate communication and interfaces between Emergency Medicine and Otolaryngology-Head and Neck Surgery

d. Required Conferences: Emergency Medicine Grand Rounds (weekly)

7. Anesthesiology

a. Clinical Site: University of Louisville Operating Room (soon we will additionally have our residents spending a portion of this experience at the Kosair Children's Hospital over one month.

b. In-patient experience at the University of Louisville Hospital with anticipated addition of Kosair Children's Hospital

c. Resident Responsibilities:

- i. Preoperative assessment of patients undergoing both emergent and elective surgical procedures with attention to factors impacting on airway management and medical comorbidities
- ii. Participation in the anesthetic management of patients including but not limited to the following:
  - a. Mechanical maintenance of the airway with and without the use of adjuncts
  - b. Intubation including nasotracheal, orotracheal, and flexible fiberoptic techniques.
  - c. Familiarization with basic local and general anesthetic techniques and associate pharmacotherapy

d. Required conferences: Anesthesia grand rounds (weekly)

## **PGY-2 Year**

### Goals:

1. To acquire knowledge and skills necessary for the specialty specific Otolaryngology-Head and Neck Surgery history and physical examination of pediatric and adult patients presenting to the Otolaryngology-Head and Neck Surgery Service.
2. To acquire the knowledge and skills necessary to develop and initial and follow-up management plans for pediatric and adult patients requiring Otolaryngology-Head and Neck Surgery care
3. To acquire basic science and clinical didactic knowledge related to topics in General Otolaryngology, Pediatric Otolaryngology, Head and Neck Oncology, Laryngology, Bronchoesophagology, Rhinology, Otology, and Facial Plastics and Reconstructive Surgery.
4. To acquire additional surgical and procedural skills including but not limited to the following:
  - a. Flexible fiberoptic nasopharyngoscopy and laryngoscopy
  - b. Operative laryngoscopy, microlaryngoscopy, bronchoscopy and esophagoscopy
  - c. Operative Pediatric Otolaryngology Procedures including myringotomy, tympanostomy, tonsillectomy, adenoidectomy, laryngoscopy, bronchoscopy, trauma and soft tissue repair
  - d. Adult and pediatric tracheotomy
  - e. Intermaxillary fixation for maxillofacial fractures
  - d. ORIF of mandibular fractures
5. Acquire basic research design and analysis skill in Otolaryngology research.

### Objectives:

1. Appropriate documentation of a specialty specific Otolaryngology-Head and Neck Surgery Examination
2. Satisfactory performance of a specialty specific Otolaryngology-Head and Neck Surgery Examination
3. Appropriate performance and documentation of office and bedside procedures such as intubation and flexible and rigid examination of the pediatric and adult airway
4. Appropriate documentation and performance of surgical procedures delineated in PGY-2 Goals 4, above.

### Rotations:

#### 1. Kosair Children's Hospital Rotation

- a. Clinical Site: Kosair Children's Hospital and Norton Hospital
- b. Provides an Inpatient and Outpatient Continuity experience in pediatric otolaryngology for 6 months (non-contiguous)
- c. Resident Responsibilities:
  - i. Resident works in close relationship with the Attending Staff at Kosair Children's Hospital to learn the basics of evaluation and management of the Pediatric Otolaryngology Patient
  - ii. Attend and perform surgical procedures on Pediatric Otolaryngology Patients
  - iii. Attend the weekly Pediatric Otolaryngology Clinic at Kosair Children's Hospital
  - iv. Perform initial consultations of Pediatric Otolaryngology patients from the inpatient Pediatrics and related disciplines at the Kosair Children's Hospital
  - v. Perform initial evaluation of Emergency Room Consultations for Otolaryngology patients presenting to the Emergency Service at the Kosair Children's Hospital and present these patients to the Attending Staff.
  - vi. Perform office-based procedures such as fiberoptic nasal, nasopharyngeal, and laryngeal endoscopy
  - vii. Perform basic pediatric otolaryngology surgical procedures such as myringotomy, tympanostomy, tonsillectomy, adenoidectomy, laryngoscopy, bronchoscopy, closure of traumatic and surgical wounds, excision of simple soft tissue masses, Intermaxillary fixation for maxillofacial fractures, and selected neonatal or pediatric tracheotomy. Other procedures may be accessible to residents at this level of training at the discretion of the attending staff and commensurate with the resident's ability and safety of the patient.
- d. Required Conferences;
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including Kosair Children's Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Pediatric Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Pediatric Otolaryngology Topics
  - iv. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
  - vi. Kosair Morbidity and Mortality Conference-Monthly-including resident presentation of Pediatric Otolaryngology cases
  - vii. Pediatric Grand Rounds-periodic-Attends topics of basic and clinical relevance to Otolaryngology.

#### 2. University of Louisville Hospital

- a. Clinical Site: University of Louisville Hospital and Outpatient Otolaryngology Clinic
- b. Provides an Inpatient and Outpatient Continuity experience in Adult Otolaryngology including the adult population sustaining traumatic soft tissue and bony injuries to the head, face and neck.
- c. Resident Responsibilities:
  - i. Resident works in a close relationship with the Upper level PGY-4 and 5 residents and Otolaryngology Attending staff to learn the basics of evaluation of the Adult Otolaryngology patient.
  - ii. Attend and perform Surgical Procedures on Adult Patients presenting to the Otolaryngology Service of the University of Louisville Hospital
  - iii. Attend and participate fully in the weekly Otolaryngology Clinic at the Ambulatory Care Building adjacent to the University of Louisville Hospital
  - iv. Attend and participate fully in the weekly Multidisciplinary Head and Neck Oncology Clinic and Conference

**PGY-2 Year (continued)**

Rotations (continued)

2. University of Louisville Hospital (continued)

- c. Resident Responsibilities (continued)
  - v. Evaluate and present patients presenting as inpatient consultations to the Otolaryngology Service at the University of Louisville Hospital
  - vi. Evaluate and present patients presenting to the Emergency Service and requiring Otolaryngology-Head and Neck Surgical evaluation and management at the University of Louisville Hospital.
  - vii. Perform Surgical Procedures as primary surgeon under close supervision including but not limited to the following:
    - a. Laryngoscopy and microlaryngoscopy including biopsy and removal of foreign body
    - b. Rigid esophagoscopy and rigid and flexible bronchoscopy, diagnostic
    - c. Adult tracheotomy
    - d. Skin and soft tissue simple to moderate excisions and repair
    - e. Fine needle aspiration biopsy of head and neck masses
    - f. Excisional biopsy of superficial and deep cervical lymph nodes
    - g. Excision of simple to moderate soft tissue masses of the head and neck
    - h. Intermaxillary fixation of the maxillofacial skeleton
    - i. ORIF of simple facial fractures (mandible, maxilla and zygomatic arches)Other procedures may be performed at this level commensurate with the resident's progression at the Discretion of the attending Otolaryngology staff.
- d. Required conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. Weekly Multidisciplinary Trauma Walk Rounds-Surgical Intensive Care Unit

3. Veteran Affairs Medical Center (VAMC)

- a. Clinical Site: Veterans Affairs Medical Center, Louisville, Kentucky
- b. Provides and inpatient and outpatient continuity experience in Adult and Geriatric Otolaryngology-Head and Neck Surgery Patients
- c. Resident Responsibilities:
  - i. Resident works in a close relationship with the Upper level PGY-4 and 5 residents and the Otolaryngology Attending staff to learn the basics of evaluation of the Adult Otolaryngology Patient. The geriatric nature Of the VAMC practice and assimilation of information regarding multiple medical comorbidities is incorporated into the training of resident's in particular in this rotation.
  - ii. Attend and Perform Surgical Procedures on patients presenting to the Otolaryngology Service at the VAMC.
  - iii. Attend and participate in the Outpatient Otolaryngology Clinic at the VAMC two days per week
  - iv. Evaluate and present in-patient consultations to the Otolaryngology Service at the VAMC
  - v. Evaluate and present Emergency Service consultations to the Otolaryngology Service at the VAMC
  - vi. Perform Surgical Procedures as primary surgeon under close clinical evaluation of the Attending staff including, but not limited to the following:
    - a. Laryngoscopy and microlaryngoscopy including biopsy and removal of foreign body
    - b. Rigid esophagoscopy and rigid and flexible bronchoscopy, diagnostic
    - c. Adult tracheotomy
    - d. Skin and soft tissue simple to moderate excisions and repair
    - e. Fine needle aspiration biopsy of head and neck masses
    - f. Excisional biopsy of superficial and deep cervical lymph nodes
    - g. Excision of simple to moderate soft tissue masses of the head and neck
    - h. Thyroid lobectomy
    - i. Selective and modified neck dissection
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. VAMC Surgical Morbidity and Mortality Conference-Monthly

## **PGY-3 Year**

### Goals

1. To refined diagnostic evaluation techniques and interpretation of clinical data including but not limited to audiologic and vestibular testing, radiographic examinations of the head and neck, and assessment of speech and swallowing disorders.
2. To refine and advance surgical skills to obtain a wider repertoire of procedures in adult and pediatric otolaryngology patients
3. To further acquire basic science and clinical didactic knowledge related to topics in General Otolaryngology, Pediatric Otolaryngology, Head and Neck Oncology, Laryngology, Bronchoesophagology, Rhinology, Otolaryngology, and Facial Plastics and Reconstructive Surgery.

### Objectives

1. Appropriate execution and documentation of surgical procedures
2. Successful performance as primary surgeon of additional surgical procedures including but not limited to the following:
  - a. Head and neck oncologic procedures such as neck dissection, thyroidectomy, parathyroidectomy.
  - b. Facial Plastic and Reconstructive procedures such as Rhinoplasty, ORIF of complex facial fractures, and local and regional flap reconstructions.
  - c. Otolgic Procedures; Tympanoplasty, simple mastoidectomy, tympanomastoidectomy
  - d. Pediatric Otolaryngology Procedures: Microlaryngoscopy with laser, NICU tracheotomy, congenital neck mass removal (i.e. branchial cleft cysts)
  - e. Rhinology- Endoscopic ethmoidectomy , maxillary anrostomies and septoplasty procedures
3. Concentrated research experience in order to pursue more complex project(s) with a faculty mentor

### Rotations:

#### 1. Norton Hospital and Kosair Children's Hospital

- a. Clinical Site: The Norton Hospital and contiguous Kosair Children's Hospital with selected procedures and inpatient consultation at Jewish Hospital
- b. Provides a concentrated inpatient and limited outpatient intense surgical experience for the PGY-3 resident
- c. Resident Responsibilities:
  - i. Support of the Kosair PGY-2 level resident in the initial evaluation and management of inpatient and emergency service consultations at the Kosair Children's Hospital and the Norton and Jewish Hospitals
  - ii. Rounding on all Norton Hospital Inpatients on the Otolaryngology-HNS service and presenting and discussing management with the attending Otolaryngology Staff.
  - iii. Performing procedures as primary surgeon on the surgical procedures delineated above under PGY-3 Year objectives
  - iv. Assisting the attending staff in the execution of complex surgical procedures, with participation as primary surgeon in more advanced procedures that are commensurate with the residents ability as judged by the Attending Surgeon.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including Norton and Kosair Children's Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult and Pediatric Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Pediatric Otolaryngology Topics
  - iv. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
  - vi. Kosair Morbidity and Mortality Conference-Monthly-including resident presentation of Pediatric Otolaryngology cases
  - vii. Pediatric Grand Rounds-periodic-Attends topics of basic and clinical relevance to Otolaryngology.
  - viii. Multidisciplinary Endocrine Conference-monthly

#### 2. University of Louisville Hospital

- a. Clinical Site: University of Louisville Hospital and Outpatient Otolaryngology Clinics
- b. Provides a progressive and concentrated inpatient and outpatient Otolaryngology experience for the PGY-3.
- c. Resident Responsibilities:
  - i. Support of PGY-2 level resident and continued primary responsibility for the assessment, presentation, and management of inpatient and emergency service consultations at ULH
  - ii. Support of the PGY-5 level resident in the preparation of grand rounds, quality assurance conferences and in the administrative management of the OR schedule and inpatient service when there is no PGY-4 resident assigned to the service
  - iii. Performing procedures as primary surgeon as delineated in PGY-3 Objectives above.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. Weekly Multidisciplinary Trauma Walk Rounds-Surgical Intensive Care Unit

**PGY-3 Year Continued)**

Rotations (continued)

3. Veterans Affairs Medical Center (VAMC)

- a. Clinical Site: Louisville VAMC
- b. Concentrated and progressive inpatient and outpatient experience in adult and geriatric otolaryngology patients
- c. Resident Responsibilities:
  - i. Progressive assessment and management with presentation of more complex patients including advanced head and neck, endocrine, facial plastic and Otolaryngology Patients from the Outpatient Clinics.
  - ii. Performance as primary surgeon of more complex procedures as delineated in PGY-3 Objectives above
  - iii. Support of the PGY-4 or 5 level Chief Resident of the VAMC service in the administrative management of the Outpatient Clinics and Operative Schedule.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. VAMC Surgical Morbidity and Mortality Conference-Monthly

4. Plastic and Reconstructive Surgery

- a. Clinical Site: Faculty Clinical Offices, University of Louisville Hospital, Norton Hospital, Jewish Hospital, and Kosair Children's Hospital
- b. One month concentrated Facial Plastic Surgical experience including Outpatient assessment and surgical care of patients undergoing Facial Plastic and Reconstructive Surgery
- c. Resident Responsibilities:
  - i. Perform preoperative assessment, history and physical on patients undergoing aesthetic and reconstructive procedures of the face head and neck
  - ii. To assist in complex and routine facial plastic surgical procedures
  - iii. To perform primary surgical procedures including Rhinoplasty, Blepharoplasty, rhytidectomy, local and regional reconstructive flaps, assist in Microvascular head and neck reconstruction, and participate in complex pediatric craniofacial reconstructive surgery and cleft lip and palate surgery.
  - iv. Concentrated and faculty directed reading and dissection opportunities in facial plastic and reconstructive surgery.
- d. Required Conferences:
  - i. Monday Morning Didactic Conference: Including Adult and Pediatric Otolaryngology Basic and Clinical Topics
  - ii. Book Club-weekly-including Pediatric Otolaryngology Topics
  - iii. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
  - iv. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
  - v. Plastic Surgery Grand Rounds-weekly-pertinent Facial and Head and Neck Topics

5. Research Rotation

One month concentrated research month in which the resident is afforded an opportunity to concentrate on the completion of PGY-2 and 3 year initiated projects with faculty mentor(s). The resident will use the time to perform more intense periods of data collection, experimentation and/or analysis. The goal is the culmination in regional or national Presentation and production of a peer-reviewed publication.

## **PGY-4 Year**

### Goals:

1. To refined diagnostic evaluation techniques and interpretation of clinical data including but not limited to audiologic and vestibular testing, radiographic examinations of the head and neck, and assessment of speech and swallowing disorders.
2. To refine and advance surgical skills to obtain a wider repertoire of procedures in adult and pediatric otolaryngology patients
3. To further acquire basic science and clinical didactic knowledge related to topics in General Otolaryngology, Pediatric Otolaryngology, Head and Neck Oncology, Laryngology, Bronchoesophagology, Rhinology, Otology, and Facial Plastics and Reconstructive Surgery.

### Objectives

1. Appropriate execution and documentation of surgical procedures
2. Successful performance as primary surgeon of additional surgical procedures including but not limited to the following:
  - a. Head and neck oncologic procedures such as composite resection, laryngectomy, and selective neck dissection.
  - b. Facial Plastic and Reconstructive procedures such as Rhinoplasty, blepharoplasty, and local and regional flap reconstructions such as Mohs reconstruction.
  - c. Otologic Procedures; Tympanoplasty, ossiculoplasty, tympanomastoidectomy
  - d. Complex Airway Procedures: laryngotracheoplasty and tracheal resection and anastomosis
  - e. Rhinology- Endoscopic ethmoidectomy , sphenoidotomy, frontal sinusotomy and septoplasty procedures
3. Concentrated research experience in order to pursue more complex project(s) with a faculty mentor

### Rotations:

#### 1. Norton Hospital and Kosair Children's Hospital

- a. Clinical Site: The Norton Hospital and contiguous Kosair Children's Hospital with selected procedures and inpatient consultation at Jewish Hospital
- b. Provides a concentrated inpatient and limited outpatient intense surgical experience for the PGY-4 resident
- c. Resident Responsibilities:
  - i. Support of the Kosair PGY-2 level resident in the initial evaluation and management of inpatient and emergency service consultations at the Kosair Children's Hospital and the Norton and Jewish Hospitals
  - ii. Rounding on all Norton Hospital Inpatients on the Otolaryngology-HNS service and presenting and discussing management with the attending Otolaryngology Staff.
  - iii. Performing procedures as primary surgeon on the surgical procedures delineated above under PGY-4 Year objectives
  - iv. Assisting the attending staff in the execution of complex surgical procedures, with participation as primary surgeon in more advanced procedures that are commensurate with the residents ability as judged by the Attending Surgeon.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including Norton and Kosair Children's Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult and Pediatric Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Pediatric Otolaryngology Topics
  - iv. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
  - vi. Kosair Morbidity and Mortality Conference-Monthly-including resident presentation of Pediatric Otolaryngology cases
  - vii. Pediatric Grand Rounds-periodic-Attends topics of basic and clinical relevance to Otolaryngology.
  - viii. Multidisciplinary Endocrine Conference-monthly

#### 2. University of Louisville Hospital

- a. Clinical Site: University of Louisville Hospital and Outpatient Otolaryngology Clinics
- b. Provides a progressive and concentrated inpatient and outpatient Otolaryngology experience for the PGY-3.
- c. Resident Responsibilities:
  - i. Support of PGY-2 level resident and continued primary responsibility for the assessment, presentation, and management of inpatient and emergency service consultations at ULH
  - ii. Support of the PGY-5 level resident in the preparation of grand rounds, quality assurance conferences and in the administrative management of the OR schedule and inpatient service when there is no PGY-3 resident assigned to the service
  - iii. Performing procedures as primary surgeon as delineated in PGY-4 Objectives above.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. Weekly Multidisciplinary Trauma Walk Rounds-Surgical Intensive Care Unit

**PGY-4 Year (Continued)**

Rotations (continued)

3. Veterans Affairs Medical Center (VAMC)

- a. Clinical Site: Louisville VAMC
- b. Concentrated and progressive inpatient and outpatient experience in adult and geriatric otolaryngology patients
- c. Resident Responsibilities:
  - i. Progressive assessment and management with presentation of more complex patients including advanced head and neck, endocrine, facial plastic and Otolologic Patients from the Outpatient Clinics.
  - ii. Performance as primary surgeon of more complex procedures as delineated in PGY-4 Objectives above
  - iii. Act as Chief Administrative resident at the VAMC regarding the clinic and operative schedule.
- d. Required Conferences:
  - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
  - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
  - iii. Book Club-weekly-including Adult Otolaryngology Topics
  - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
  - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
  - vi. VAMC Surgical Morbidity and Mortality Conference-Monthly

4. Plastic and Reconstructive Surgery

- a. Clinical Site: Faculty Clinical Offices, University of Louisville Hospital, Norton Hospital, Jewish Hospital, and Kosair Children's Hospital
- b. One month concentrated Facial Plastic Surgical experience including Outpatient assessment and surgical care of patients undergoing Facial Plastic and Reconstructive Surgery
- c. Resident Responsibilities:
  - i. Perform preoperative assessment, history and physical on patients undergoing aesthetic and reconstructive procedures of the face head and neck
  - ii. To assist in complex and routine facial plastic surgical procedures
  - iii. To perform primary surgical procedures including Rhinoplasty, Blepharoplasty, rhytidectomy, local and regional reconstructive flaps, assist in Microvascular head and neck reconstruction, and participate in complex pediatric craniofacial reconstructive surgery and cleft lip and palate surgery.
  - iv. Concentrated and faculty directed reading and dissection opportunities in facial plastic and reconstructive surgery.
- d. Required Conferences:
  - i. Monday Morning Didactic Conference: Including Adult and Pediatric Otolaryngology Basic and Clinical Topics
  - ii. Book Club-weekly-including Pediatric Otolaryngology Topics
  - iii. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
  - iv. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
  - v. Plastic Surgery Grand Rounds-weekly-pertinent Facial and Head and Neck Topics

5. Research Rotation

One month concentrated research month in which the resident is afforded an opportunity to concentrate on the completion of PGY-2 and 3 year initiated projects with faculty mentor(s). The resident will use the time to perform more intense periods of data collection, experimentation and/or analysis. The goal is the culmination in regional or national Presentation and production of a peer-reviewed publication.

### **PGY-5 Level**

This represents the completion level of training. This is a concentrated inpatient and outpatient operative experience. There are no elective or research rotations this year in keeping with the Program Requirements in Otolaryngology-Head and Neck Surgery. The experience represents an advanced clinical, surgical and administrative experience.

#### Goals

1. To provide oversight in the outpatient and inpatient evaluation and management of Otolaryngology Patients provided by the PGY-1 through 4 residents and to communicate with the assigned attending staff regarding all patient encounters and management plans.
2. To co-organize the yearly didactic schedule with his/her fellow PGY-5 resident, the Program Director, the faculty in Otolaryngology and other teachers/mentors.
3. To further develop operative skills and independence in operative care of a wide spectrum of Otolaryngology-Head and Neck Surgery patients, in particular in the area of Critical Indicator Procedures and to review his/her operative experience in detail with the Program Director to make certain all areas of Critical Indicator experience are sufficient. Also to develop operative skills and capabilities in advance facial plastic surgery, cranial base surgery, oncologic head and neck resections, Neurotology and otology procedures such as stapes surgery and skull base approaches as a set of examples.
4. To further complete refinement of core competencies that are necessary for the ideal performance of independent practice at the completion of training.

#### Objectives

1. Successful communication/feedback with junior level residents regarding patient care in the operative, inpatient, and Operative settings.
2. Successful communication with the Attending Staff regarding patient care issues
3. Successful communication with the Program Director regarding programmatic needs and identified resident or system issues.
4. Successful progression of performance on the Resident Inservice Examination (applicable to all years)
5. Successful progression of independent operative ability in all major sectors of Otolaryngology-Head and Neck Surgery, especially all critical indicator procedures.

#### Rotations

1. University of Louisville Hospital (5 or 6 months)
  - a. Clinical Site: University of Louisville Hospital and Outpatient Otolaryngology Clinics
  - b. Provides a progressive and concentrated inpatient and outpatient Otolaryngology experience for the PGY-5.
  - c. Resident Responsibilities:
    - i. Management of inpatient and emergency service consultations at ULH and support of junior residents in the execution of these tasks
    - ii. Support of the Attending Service Chiefs in the management of daily activities in the operating room, clinics, and inpatient services
    - iii. Performing procedures as primary surgeon as delineated in PGY-5 Objectives above.
  - d. Required Conferences:
    - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
    - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
    - iii. Book Club-weekly-including Adult Otolaryngology Topics
    - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
    - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
    - vi. Weekly Multidisciplinary Trauma Walk Rounds-Surgical Intensive Care Unit
    - vii. Presenter at Quarterly Hospital Wide Quality Assurance Conference.
2. Veterans Affairs Medical Center (VAMC) (5 or 6 months)
  - a. Clinical Site: Louisville VAMC
  - b. Concentrated and progressive inpatient and outpatient experience in adult and geriatric otolaryngology patients
  - c. Resident Responsibilities:
    - i. Progressive assessment and management with presentation of more complex patients including advanced head and neck , endocrine, facial plastic and Otologic Patients from the Outpatient Clinics.
    - ii. Performance as primary surgeon of more complex procedures as delineated in PGY-5 Objectives above
    - iii. Act as Chief Administrative resident at the VAMC regarding the clinic and operative schedule.
  - d. Required Conferences:
    - i. Monday Morning Pre and Postoperative Conference held at VAMC and including University Hospital Patient Discussion including indications, procedures, comorbidities, complications and other management.
    - ii. Monday Morning Didactic Conference: Including Adult Otolaryngology Basic and Clinical Topics
    - iii. Book Club-weekly-including Adult Otolaryngology Topics
    - iv. Resident Grand Rounds-including Adult Otolaryngology Basic and Clinical Topics
    - v. Journal Club-monthly-including Adult Otolaryngology Basic and Clinical Topics
    - vi. VAMC Surgical Morbidity and Mortality Conference-Monthly as presenter when Chief

**PGY-5 Year (continued)**

Rotations: (continued)

I. Norton Hospital and Kosair Children's Hospital

- a. Clinical Site: The Norton Hospital and contiguous Kosair Children's Hospital with selected procedures and inpatient consultation at Jewish Hospital
- b. Provides a concentrated inpatient and limited outpatient intense surgical experience for the PGY-4 resident
- c. Resident Responsibilities:
  - i. Return to the Kosair Hospital for a "refresher" course or period regarding Pediatric Otolaryngology.
  - ii. Rounding on all Norton Hospital Inpatients on the Otolaryngology-HNS service and presenting and discussing management with the attending Otolaryngology Staff.
  - iii. Performing procedures as primary surgeon on the surgical procedures delineated above under PGY-4 Year objectives
  - iv. Performing more complex surgical procedures (i.e. anterior craniofacial resection), with participation as primary surgeon in more advanced procedures that are commensurate with the residents ability as judged by the Attending Surgeon.
- d. Required Conferences:

i. Monday Morning Pre and Postoperative Conference held at VAMC and including Norton and Kosair Children's Patient Discussion including indications, procedures, comorbidities, complications and other management.

- ii. Monday Morning Didactic Conference: Including Adult and Pediatric Otolaryngology Basic and Clinical Topics
- iii. Book Club-weekly-including Pediatric Otolaryngology Topics
- iv. Resident Grand Rounds-including Pediatric Otolaryngology Basic and Clinical Topics
- v. Journal Club-monthly-including Pediatric Otolaryngology Basic and Clinical Topics
- vi. Kosair Morbidity and Mortality Conference-Monthly-including resident presentation of Pediatric Otolaryngology cases
- vii. Pediatric Grand Rounds-periodic-Attends topics of basic and clinical relevance to Otolaryngology.
- viii. Multidisciplinary Endocrine Conference-monthly