

Division Details

Division Data Summary

Research and Training Details

Number of Faculty	12
Number of Joint Appointment Faculty	4
Number of Research Fellows	2
Number of Support Personnel	55
Direct Annual Grant Support	\$1,301,905
Peer Reviewed Publications	15

Clinical Activities and Training

Number of Clinical Staff	1
Number of Clinical Fellows	6
Number of Other Students	3
Inpatient Encounters	810
Outpatient Encounters	46,608

Division Photo



Row 1: S Shott, C Myer III, R Cotton, R Elluru, D Brown, M Rutter
Row 2: E Arjmand, A DeAlarcon, J Willging, J Greinwald, D Choo, K Johnson

Significant Accomplishments

Simulation in Otolaryngology

Kaalan Johnson, MD, joined the division this year and began working to establish a simulation and training program, which culminated this May when we held the 1st Annual Midwest Airway Course. The goal of this course was to prepare residents for the challenges inherent to performing rigid endoscopy. The course was well attended and received positive feedback. The department plans to make this course an annual event.

Festschrift for Robin Cotton, MD

In the fall of 2011, a Festschrift honoring the career and accomplishments of Robin Cotton, MD, was held in Boston, Massachusetts. This two-day event brought experts from every field of pediatric otolaryngology together to lecture on current topics. The proceedings will be collected and published in a special fall 2012 supplement in the journal *Laryngoscope*.

Christian Pueschel Memorial Research Award

The National Down Syndrome Congress awarded Sally Shott, MD, the Christian Pueschel Memorial Research Award. This award is given to an outstanding physician who improves the lives of children with Down syndrome through research and treatment of ear, nose and throat issues.

Division Highlights

Dr. Robin Cotton Awarded Daniel Drake Medal

Dr. Cotton received The University of Cincinnati College of Medicine's Daniel Drake Medal for his outstanding contributions to the field of Otolaryngology. The award, considered to be the highest honor bestowed by the College of Medicine, is given annually to honor distinguished living faculty and alumni.

Division Publications

1. Boesch RP, Myers C, Garrett T, Nie A, Thomas N, Chima A, McPhail GL, Ednick M, Rutter MJ, Dressman K. **Prevention of tracheostomy-related pressure ulcers in children.** *Pediatrics*. 2012; 129:e792-7.
2. Bookman LB, Melton KR, Pan BS, Bender PL, Chini BA, Greenberg JM, Saal HM, Taylor JA, Elluru RG. **Neonates with tongue-based airway obstruction: a systematic review.** *Otolaryngol Head Neck Surg*. 2012; 146:8-18.
3. Hom KA, Hirsch R, Elluru RG. **Antihypertensive drug-induced angioedema causing upper airway obstruction in children.** *Int J Pediatr Otorhinolaryngol*. 2012; 76:14-9.
4. Houlton JJ, de Alarcon A, Johnson K, Meinzen-Derr J, Brehm SB, Weinrich B, Elluru RG. **Voice outcomes following adult cricotracheal resection.** *Laryngoscope*. 2011; 121:1910-4.
5. Ida JB, Livshitz I, Azizkhan RG, Lucky AW, Elluru RG. **Upper airway complications of junctional epidermolysis bullosa.** *J Pediatr*. 2012; 160:657-661 e1.
6. Johnson K, Brehm SB, Weinrich B, Meinzen-Derr J, de Alarcon A. **Comparison of the Pediatric Voice Handicap Index with perceptual voice analysis in pediatric patients with vocal fold lesions.** *Arch Otolaryngol Head Neck Surg*. 2011; 137:1258-62.
7. Kelchner LN, Brehm SB, de Alarcon A, Weinrich B. **Update on pediatric voice and airway disorders: assessment and care.** *Curr Opin Otolaryngol Head Neck Surg*. 2012; 20:160-164.
8. Prager JD, Myer CMt, Myer CM, 3rd. **Attrition in otolaryngology residency.** *Otolaryngol Head Neck Surg*. 2011; 145:753-4.
9. Prager JD, Perkins JN, McFann K, Myer CM, 3rd, Pensak ML, Chan KH. **Standardized letter of recommendation for pediatric fellowship selection.** *Laryngoscope*. 2012; 122:415-24.
10. Shott SR. **Evaluation and management of pediatric obstructive sleep apnea beyond tonsillectomy and adenoidectomy.** *Curr Opin Otolaryngol Head Neck Surg*. 2011; 19:449-54.
11. Smith N, Greinwald J, Jr.. **To tube or not to tube: indications for myringotomy with tube placement.** *Curr Opin Otolaryngol Head Neck Surg*. 2011; 19:363-6.
12. Statham MM, de Alarcon A, Germann JN, Tabangin ME, Cohen AP, Rutter MJ. **Screening and treatment of methicillin-resistant *Staphylococcus aureus* in children undergoing open airway surgery.** *Arch Otolaryngol Head Neck Surg*. 2012; 138:153-7.
13. Stevenson AN, Myer CM, 3rd, Shuler MD, Singer PS. **Complications and legal outcomes of tonsillectomy malpractice claims.** *Laryngoscope*. 2012; 122:71-4.
14. Weiss BD, Dasgupta R, Gelfand MJ, Laor T, Yin H, Breneman JC, Lavigne R, Elluru RG, Wagner LM. **Use of sentinel node biopsy for staging parameningeal rhabdomyosarcoma.** *Pediatr Blood Cancer*. 2011; 57:520-3.
15. Wiley S, Meinzen-Derr J, Grether S, Choo DI, Hughes ML. **Longitudinal functional performance among children with cochlear implants and disabilities: a prospective study using the Pediatric Evaluation of Disability Inventory.** *Int J Pediatr Otorhinolaryngol*. 2012; 76:693-7.

Faculty, Staff, and Trainees

Faculty Members

Robin T. Cotton, MD, Professor

Leadership Director, Department of Pediatric Otolaryngology; Director, Aerodigestive and Sleep Center

Ellis M. Arjmand, MD, PhD, Associate Professor

Leadership Director, Ear and Hearing Center

David K. Brown, PhD, Assistant Professor

Leadership Director, Audiological Research Lab

Daniel I. Choo, MD, Associate Professor

Alessandro deAlarcon, MD, Assistant Professor

Leadership Director, Voice Clinic

Ravindra G. Elluru, MD, PhD, Assistant Professor

John. H. Greinwald Jr., MD, Associate Professor

Charles M. Myer III, MD, Professor

Leadership Director, Pediatric Otolaryngology Residency Program

Saima Riazuddin, PhD, Assistant Professor

Leadership Director, Laboratory of Molecular Genetics

Michael J. Rutter, MD, Associate Professor

Sally R. Shott, MD, Professor

J. Paul Willging, MD, Professor

Leadership Director, Pediatric Otolaryngology Fellowship Program

Joint Appointment Faculty Members

Zubair Ahmed, PhD, Assistant Professor (Ophthalmology)

Research Interests Genetics

Jareen Meinzen-Derr, MPH, PhD, Assistant Professor (Biostatistics & Epidemiology)

Research Interests Epidemiology

Scott Holland, PhD, Professor (Neuroimaging Research Consortium)

Research Interests Neuroimaging

Dimitar Deliyski, PhD, Associate Professor (Communication Science Research Center)

Research Interests Communication Disorders

Clinical Staff Members

- **Michael Bowen, PA-C, RN, MA**,

Adult Airway

Trainees

- **Nicholas Smith, MD**, PGYVII, University of Alabama-Birmingham
- **Derek Lam, MD, MPH**, PGYVII, University of Washington
- **Catherine Hart, MD**, PGYVII, University of Cincinnati
- **Angela Black, MD**, PGYVI, University of Minnesota
- **Charles Myer, IV, MD**, PGYVI, University of Cincinnati College of Medicine
- **Matthew Provenzano, MD**, PGYVI, University of Iowa

Division Collaboration

Genetics; Speech Pathology » Ann Kummer, PhD

VPI (Velopharyngeal Insufficiency) Clinic-Monitoring associated diagnoses and treatment outcomes

Speech Pathology »

FEES (Flexible Endoscopic Evaluation of Swallowing) Clinic-Evaluating swallowing disorders, etiology, treatment strategies and outcomes

Speech Pathology; Occupational Therapy; Dieticians; Genetics; Gastroenterology; Social Work; Nursing »

Interdisciplinary Feeding Team – Evaluating safety of swallowing and treatment strategies for children with complex dysphagia problems

Speech Pathology »

Pediatric Voice Clinic – Evaluation of quality of life factors associated with voice disorders, determining etiology and treatment strategies for children with voice problems

Pediatric Surgery; Dermatology; Plastic Surgery; Oncology » Denise Adams and Richard Azizkhan

Vascular Malformation clinic –Determining treatment outcomes for complex vascular malformations

Audiology; Speech Pathology; Developmental Pediatrics »

Cochlear Implant Team – Determine candidacy of patients for implantation, following outcomes of speech and language and hearing abilities

Gastroenterology; Pulmonary; Occupational Therapy; Feeding Team; Speech Pathology; Voice Team; Pediatric Surgery »

Coordinated care of patients with complex conditions requiring multiple service involvement.

Anesthesia; Emergency Department »

Surgical Simulation-Providing training and simulation/situational awareness using state of the art simulation models.

Neonatology » Jim Greenberg and Laurel Bookman

Collaborative quality improvement project to standardize the diagnosis and treatment of neonates with tongue-based airway obstruction.

Grants, Contracts, and Industry Agreements

Grant and Contract Awards

Annual Direct

RIAZUDDIN, S

Functional Analyses of Tricellular Tight Junctions in Hearing and Deafness

National Institutes of Health

R01 DC 011748

07/01/11-06/30/16

\$250,000

Identifying Genes for Non-Syndromic Recessive Deafness - A Collaborative Study

National Institutes of Health

R01 DC 011803

04/15/12-03/31/17

\$212,500

Understanding Suppression of Deafness Due to a Dominant Modifier Gene

Royal National Institute for Deaf People

12/01/11-11/30/14

\$80,330

SHOTT, S / AMIN, R / FLECK, R

Dynamic Computational Modeling of Obstructive Sleep Apnea in Down Syndrome

National Institutes of Health

R01 HL 105206

09/01/10-08/31/14

\$759,075

Current Year Direct **\$1,301,905**

Total **\$1,301,905**