

Division Photo



Front Row: S. Shott, R. Cotton, C Myer III, A. deAlarcon; Middle Row: R. Elluru, M. Rutter, S. Holland, E. Arjmand; Back Row: D. Brown, D. Choo, J. Greinwald Jr, J.P. Willging

Division Data Summary

Research and Training Details

Number of Faculty	12
Number of Joint Appointment Faculty	3
Number of Research Fellows	1
Number of Research Students	1
Number of Support Personnel	57
Direct Annual Grant Support	\$420,933
Peer Reviewed Publications	23

Clinical Activities and Training

Number of Clinical Staff	1
Number of Clinical Fellows	6
Number of Other Students	4
Inpatient Encounters	778
Outpatient Encounters	47,474

Significant Publications

Cotton, R. T. and A. P. Cohen (2010). "Eco-conservation and healthcare ethics: a call to action." *Laryngoscope*120(1): 4-8

This paper is significant because it has been a springboard for the creation of the greening the OR team at CCHMC. In addition, the paper has sparked keen interest in the medical community. Dr. Cotton has been invited to speak on the subject at 3 upcoming meetings.

**Marcus, C.L, Elluru, R.G. et al (2009). "Developmental aspects of the upper airway: Report from NHLBI Workshop. Proc Am Thorac Soc 6(6): 513-520**

This paper is significant because it is from a workshop conducted at the NIH regarding research deficits in the practice of upper respiratory tract medicine. The paper identifies areas of research that are important to pursue in the near future. The workshop was composed of otolaryngologists, pulmonologists, radiologists, and neurologists.

## **Division Highlights**

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### **Ravindhra G. Elluru, MD, PhD**

Tracheomalacia Modeling-Current research focus is to develop computational models of tracheomalacia based on geometric and tissue properties of children with this disease process to identify characteristics of airflow that give rise to airway collapse.

### **Ravindhra G. Elluru, MD, PhD**

Endodermal-mesodermal Interactions in Tracheal Development-Current research revolves around trying to identify cytokines that are expressed during cartilage development that dictate development of the adjacent tracheal epithelium

## **Faculty Members**

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**Robin T. Cotton, MD**, Professor ; *Director, Department of Pediatric Otolaryngology; Director, Aerodigestive and Sleep Center; ;*

**Ellis M. Arjmand, MD, PhD**, Associate Professor ; *Director, Ear and Hearing Center*

**David K. Brown, PhD**, Assistant Professor ; *Director, Audiological Research Lab*

**Daniel I. Choo, MD**, Associate Professor

**Alessandro deAlarcon, MD**, Assistant Professor ; *Director, Voice Clinic*

**Ravindhra G. Elluru, MD, PhD**, Assistant Professor

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

**Charles M. Myer III, MD**, Professor ; *Director, Pediatric Otolaryngology Residency Program*

**Saima Riazuddin, PhD**, Assistant Professor ; *Director, Laboratory of Molecular Genetics*

**Michael J. Rutter, MD**, Associate Professor

**Sally R. Shott, MD**, Professor

**J. Paul Willging, MD**, Professor ; *Director, Pediatric Otolaryngology Fellowship Program*

## **Joint Appointment Faculty Members**

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**Zubair Ahmed, PhD**, Assistant Professor  
Ophthalmology  
Genetics

**Jareen Meizen-Derr, MPH, PhD**, Assistant Professor  
Biostatistics & Epidemiology  
Epidemiology

## **Trainees**

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- **Jeremy Prager, MD**, PGY-VI, Washington University School of Medicine (St. Louis)
- **Evan Propst, MD, MSc, FRCSC**, PGY-VI, University of Toronto
- **Marlene Soma, BSc(Med) MBBS, FRACS**, PGY-VI, University of New South Wales
- **Matthew Bromwich, MD, FRCS(c)**, PGY-VII, Queen's University School of Medicine (Kingston, Canada)
- **J. Matthew Dickson, MD, FRCS(c)**, PGY-VII, University of British Columbia (Vancouver, Canada)
- **Christopher Wootten, MD**, PGY-VII, Baylor College of Medicine

## **Significant Accomplishments**

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### **Communications Sciences Research Center**

Our division's newly formed Communication Sciences Research Center recruited Dimitar Deliyski, PhD, as the first appointee to the Robin T. Cotton Research Chair in Otolaryngology. Deliyski will build a program that creates and adapts

new instrumentation for clinical and translational pediatric voice treatment research. He will also help train students, post-doctoral candidates and junior faculty pursuing careers in pediatric voice research, and plans to build a strong portfolio of externally funded research projects.

### Greening the operating room

Division director Robin Cotton, MD, FACS, FRCS(C), focused on environmental issues when he delivered the Ogura Lecture at the annual Triological Society meeting last summer. This lecture led to forming a hospital-wide committee dedicated to making the operating room more environmentally responsible.

Chaired by Cotton, the committee includes individuals from throughout the hospital who share the commitment to lower energy consumption and reduce or eliminate the use of products that contain harmful compounds. They also are working with vendors to encourage the use of environmentally friendly products. The group hopes to eventually expand its focus to include other areas of the medical center.

## Division Publications

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1. :

## Grants, Contracts, and Industry Agreements

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### Grant and Contract Awards

### Annual Direct / Project Period Direct

#### Choo, D

##### A Preclinical Trial of Intratympanic Antivirals for CMV

National Institutes of Health

R01 DC 008651

01/01/07 - 12/31/10

\$207,416 / \$995,393

##### A Preclinical Trial of Intratympanic Antivirals for CMV

National Institutes of Health

R01 DC 008651

07/17/09 - 06/30/11

\$193,517 / \$193,517

#### Riazuddin, S

##### Generation and Characterization of DFNB26

American Hearing Research Foundation

01/01/10 - 12/31/10

\$20,000 / \$20,000

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**Current Year Direct**

**\$420,933**

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**Total \$420,933**

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