



AT THE FOREFRONT

**UChicago**  
**Medicine**

## Meet and Greet

### Otolaryngology-Head and Neck Surgery at the University of Chicago

- Overview: Nishant Agrawal, Section Chief
- The Residency Program: Fuad Barood, Program Director
- Subspecialties:
  - ◆ Laryngology: Brandon Baird
  - ◆ Head and Neck: Zhen Gooi
  - ◆ Research: Jayant Pinto
  - ◆ Rhinology: Jayant Pinto
  - ◆ Otology: Michael Gluth
  - ◆ Pediatrics: Andrea Shogan
  - ◆ Facial Plastics: David Chan
  - ◆ The Residents: Nirali Patel and Zachary Warren



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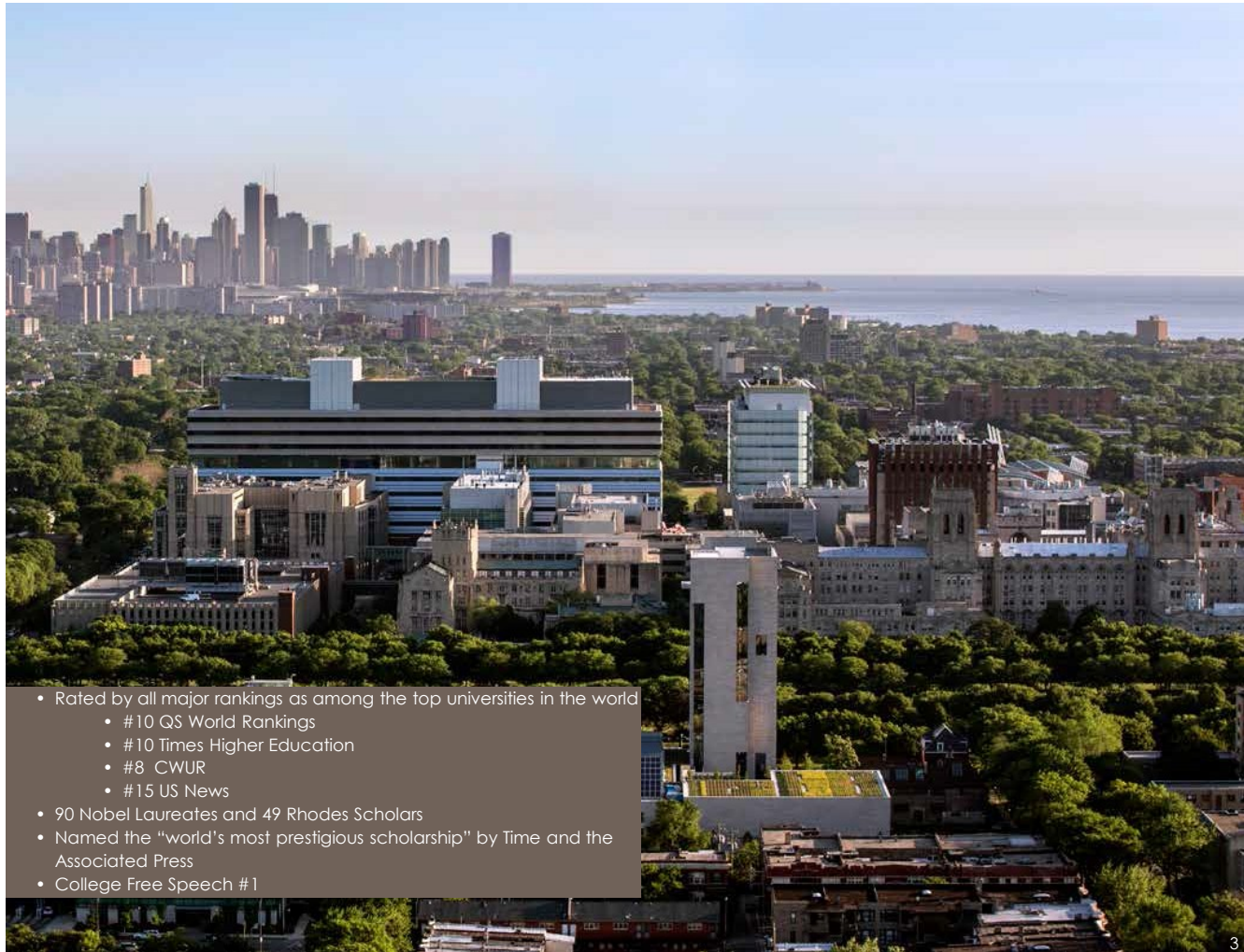
**UChicago**  
**Medicine**

# **UChicago** **Otolaryngology –** **Head & Neck Surgery**

**Nishant Agrawal, MD**

## Margie Berry

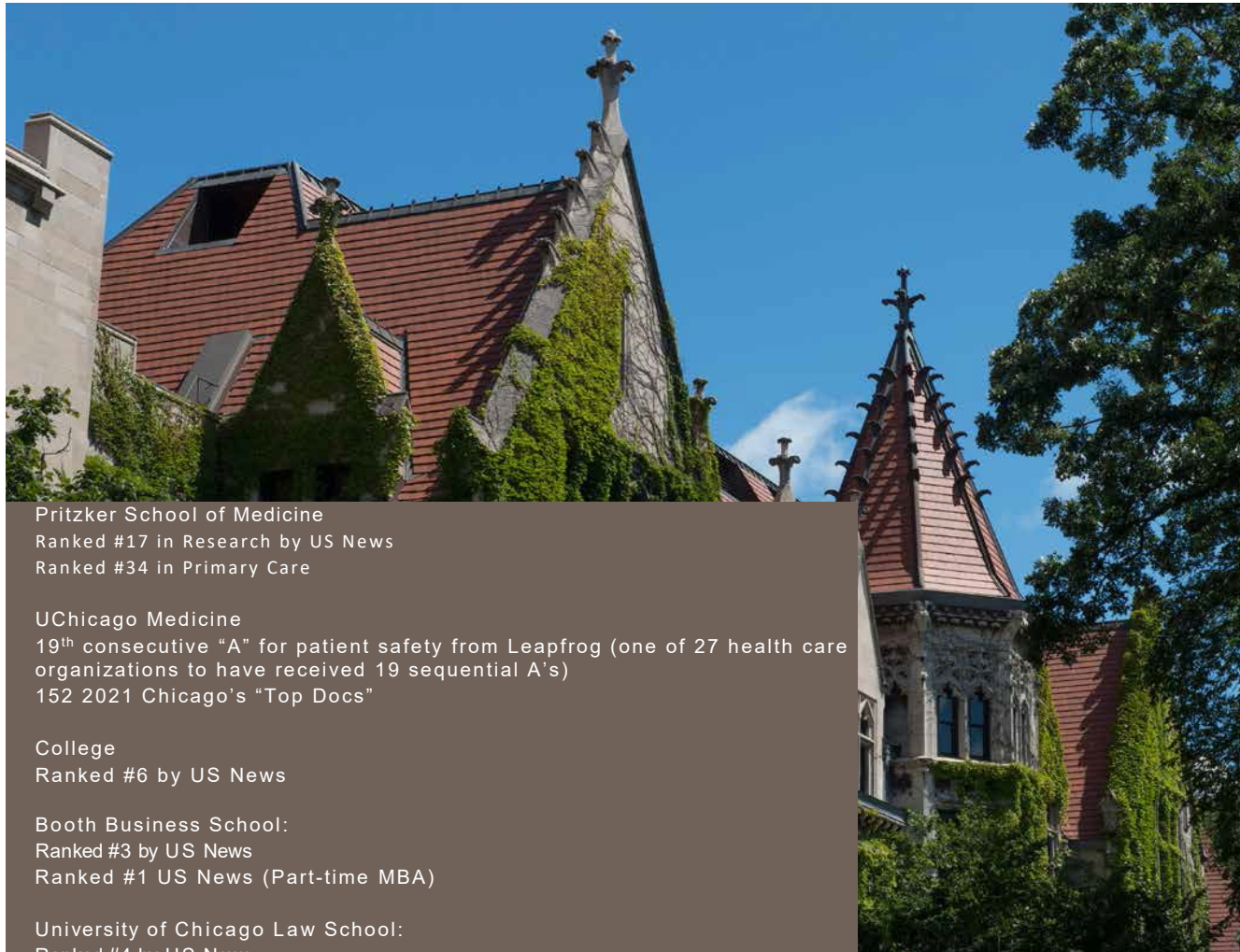
- **“Give of yourself generously, without expectations. If you want the world to be a better place to live in, start by being generous. The knowledge you have received, is not for you alone.”**
- **“A man cannot discover new oceans until he has the courage to lose sight of the shore.”**



- Rated by all major rankings as among the top universities in the world
  - #10 QS World Rankings
  - #10 Times Higher Education
  - #8 CWUR
  - #15 US News
- 90 Nobel Laureates and 49 Rhodes Scholars
- Named the "world's most prestigious scholarship" by Time and the Associated Press
- College Free Speech #1

3





**Pritzker School of Medicine**

Ranked #17 in Research by US News

Ranked #34 in Primary Care

**UChicago Medicine**

19<sup>th</sup> consecutive "A" for patient safety from Leapfrog (one of 27 health care organizations to have received 19 sequential A's)

152 2021 Chicago's "Top Docs"

**College**

Ranked #6 by US News

**Booth Business School:**

Ranked #3 by US News

Ranked #1 US News (Part-time MBA)

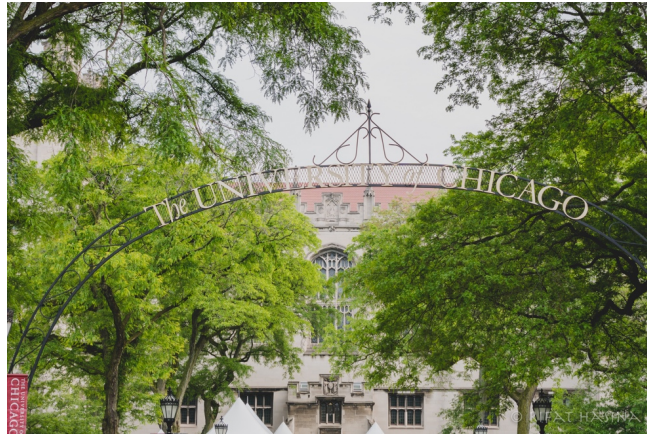
**University of Chicago Law School:**

Ranked #4 by US News

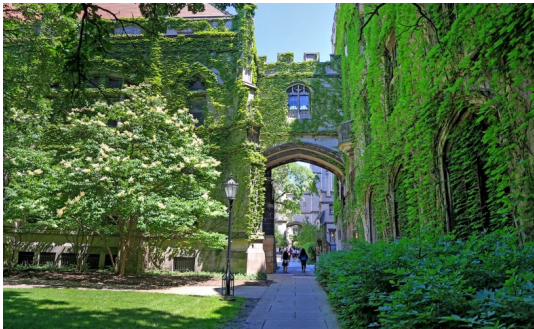


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## CRAIN'S LIST CHICAGO'S LARGEST HOSPITALS

Ranked by 2019 net patient revenue

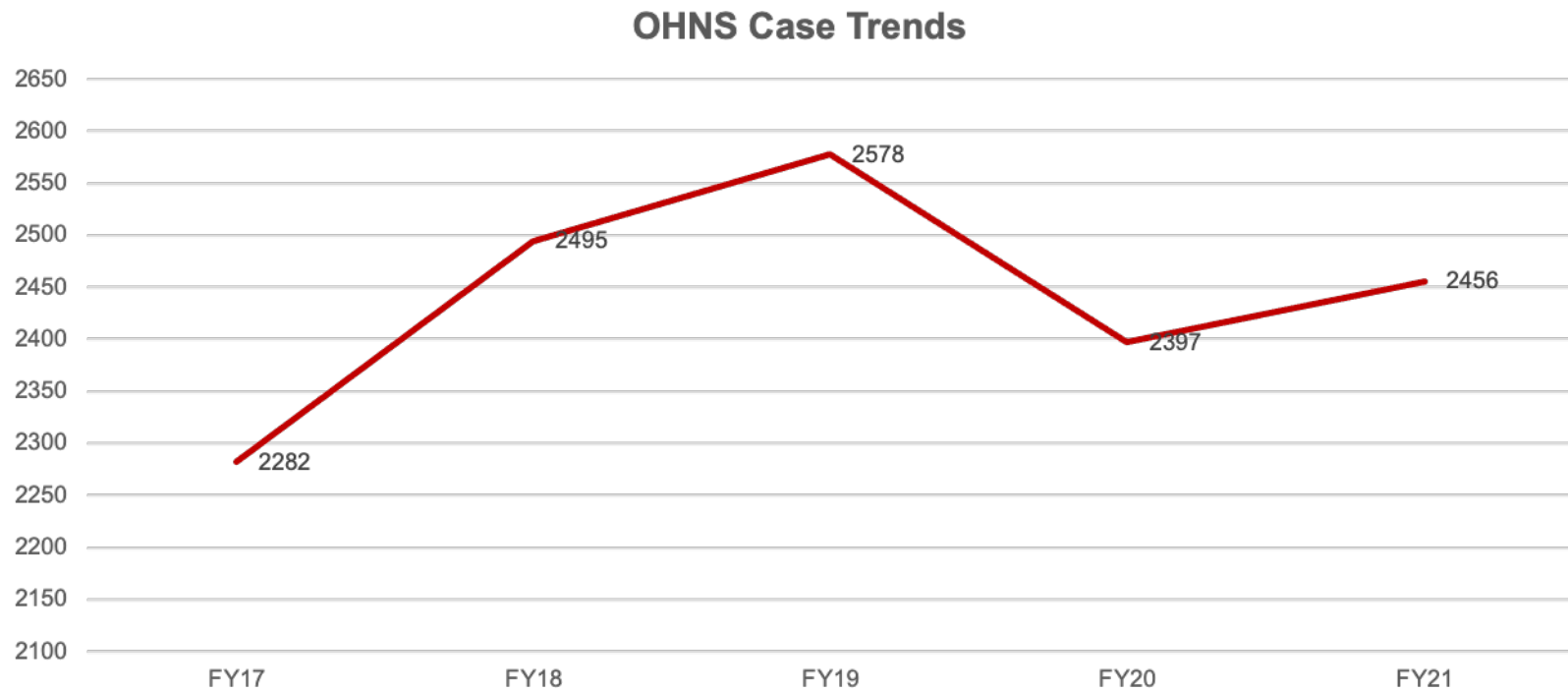
	2019 ranking	Hospital	Hospital administrator	Network affiliation	2019 net patient revenue (millions)	% change from 2018	2019 net profit (millions)	% change from 2018	No. of inpatient days	Hospital employees	Available beds	Daily occupancy rate
1	1	<b>NORTHWESTERN MEMORIAL HOSPITAL<sup>1</sup></b> 251 E. Huron St., Chicago 60611 312-926-2000; NM.org	<b>Julie Creamer</b> President	Northwestern Memorial HealthCare	<b>\$1,926.2</b>	4.4%	\$147.7	-18.7%	238,035	6,380	776	84.0%
2	2	<b>UNIVERSITY OF CHICAGO MEDICAL CENTER<sup>2</sup></b> 5841 S. Maryland Ave., Chicago 60637 773-702-0025; UChicagoMedicine.org	<b>Thomas E. Jackiewicz</b> President	University of Chicago Medicine	<b>\$1,801.4</b>	6.7%	NA	NA	218,532	9,081	686	NA
3	3	<b>RUSH UNIVERSITY MEDICAL CENTER<sup>3</sup></b> 1653 W. Congress Parkway, Chicago 60612 312-942-5000; Rush.edu	<b>Omar B. Lateef</b> CEO	Rush University System for Health	<b>\$1,659.1</b>	8.0%	\$189.9	7.1%	169,546	9,311	556	83.5%
4	4	<b>ADVOCATE CHRIST MEDICAL CENTER</b> 4440 W. 95th St., Oak Lawn 60453 708-684-8000; AdvocateHealth.com/christ	<b>Matt Primack</b> President	Advocate Aurora Health	<b>\$1,245.6</b>	4.9%	\$96.6	86.5%	217,121	6,109	735	80.9%
5	5	<b>LOYOLA UNIVERSITY MEDICAL CENTER<sup>4</sup></b> 2160 S. First Ave., Maywood 60153 708-791-4000; LoyolaChicago.org	<b>Tad A. Gomez</b> President	Loyola Medicine <sup>5</sup>	<b>\$1,198.3</b>	6.0%	\$26.9	101.7%	133,463	7,344	485	75.0%



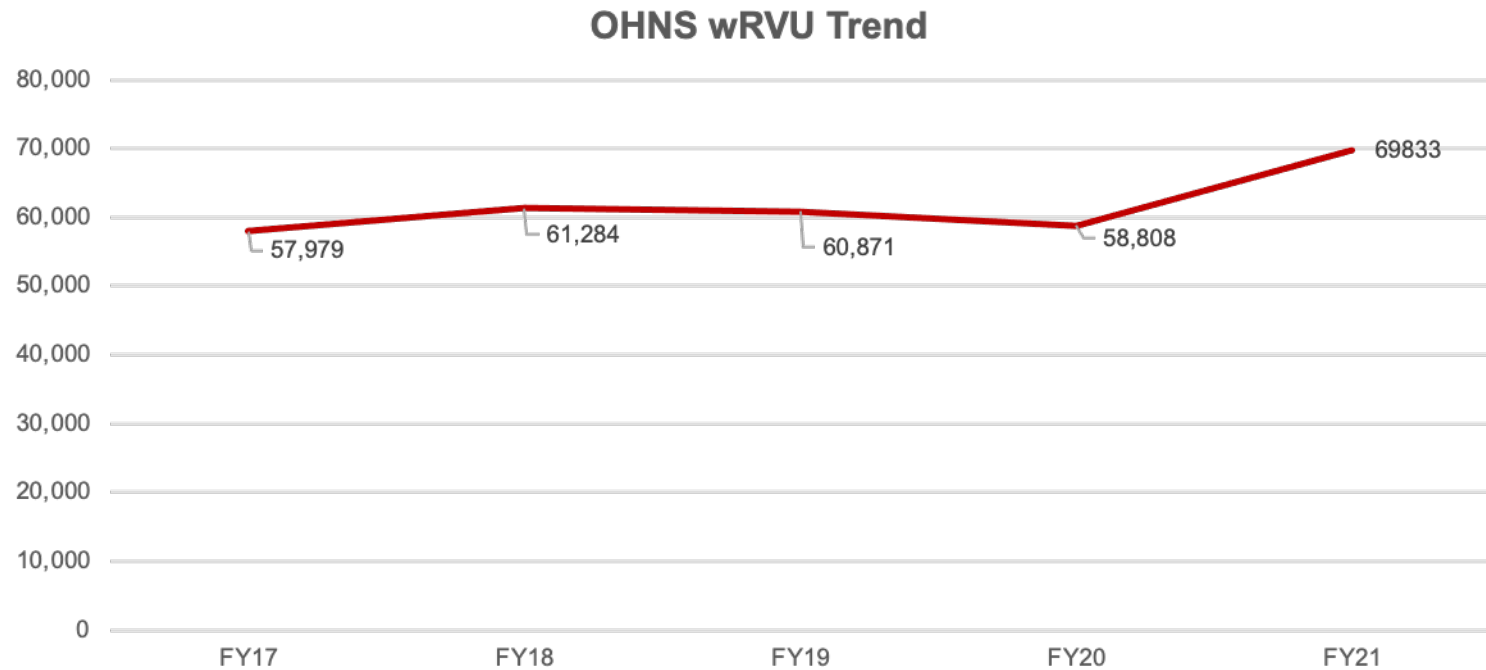
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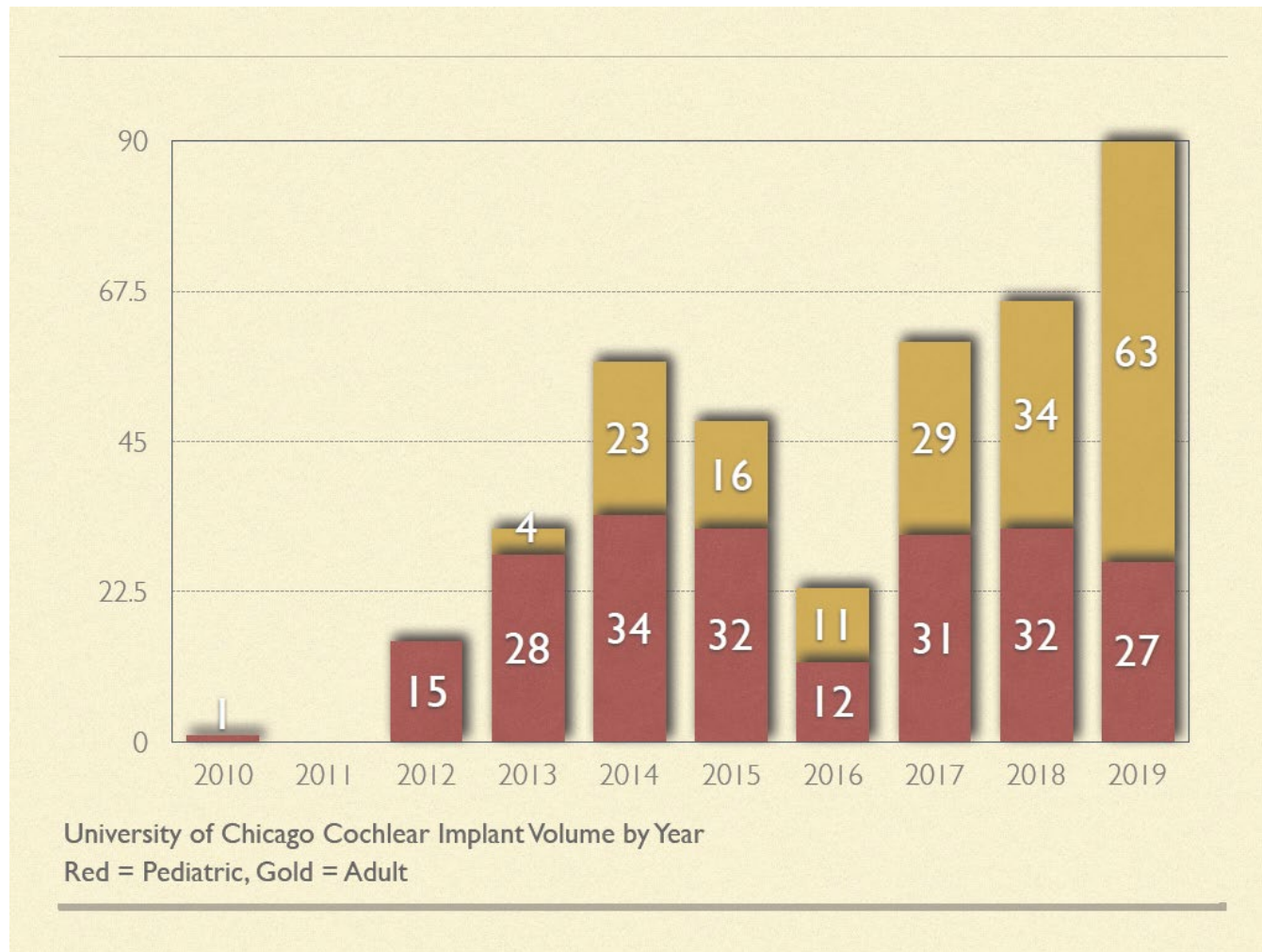
# OHNS Case Volumes



# RVUs



# Cochlear Implant Program





# UCM Faculty



Nishant Agrawal, MD



Brandon Baird, MD



Fuad Baroodi, MD



Elizabeth Blair, MD



Michael Gluth, MD



Zhen Gooi, MD



Terence Imbery, MD



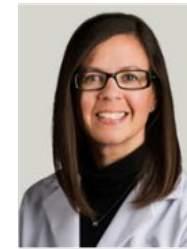
Jayant Pinto, MD



Louis Portugal, MD



Christopher Roxbury, MD



Andrea Shogan, MD



Dana Suskind, MD



Anthony Geroulis, MD



Alan Harvey, DMD



Nadia Caballero, MD



David Chan, MD



Anil Shah, MD



Jacob Brunner, MD

## NorthShore Faculty



Hassan Arshad, MD



Judy L. Chen, MD



Sue J Kim, MD



Auddie Musa Sweis, MD



Jonathan Pomerantz, MD



Joseph Raviv, MD



Jeremy Warner, MD

# Microbiome Center



the **microbiome** center  
UCHICAGO • MBL • ARGONNE

[About](#)[People](#)[Research](#)[Facilities](#)[News and Video](#)[Publications](#)[Education](#)[Giving](#)

## Associated Faculty and Scientists



Learn more about the people leading research at the Microbiome Center.

May 24, 2017

## Duchossois family donates \$100 million for new U of C wellness institute

By KRISTEN SCHORSCH | [Twitter](#)



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# Molecular Engineering

## THE WALL STREET JOURNAL.

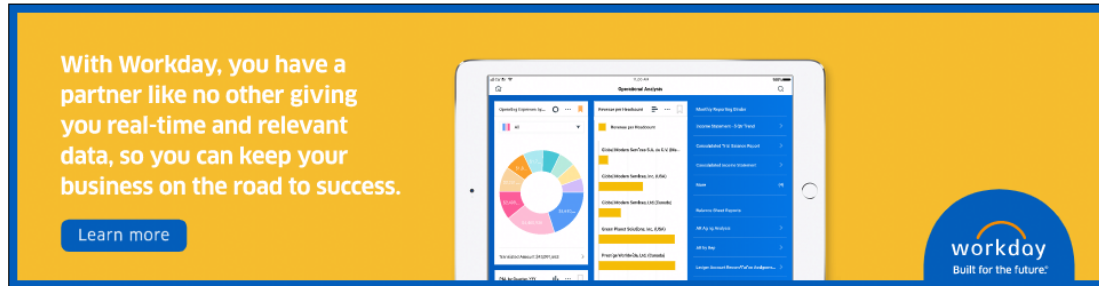
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TEXT

SCIENCE

### University of Chicago Launches School of Molecular Engineering

School is among a handful world-wide dedicated to the growing field

By Jake Holland

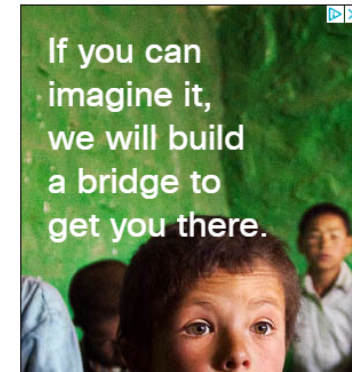
May 28, 2019 11:00 a.m. ET

The University of Chicago launched Tuesday the Pritzker School of Molecular Engineering, one of a handful of schools world-wide dedicated to practical applications of the emerging field.

It builds upon the university's Institute for Molecular Engineering, which was established in 2011. The Pritzker Foundation has given \$75 million to launch the new school, and gave \$25 million previously to the institute and nanofabrication lab.

Molecular...

[TO READ THE FULL STORY](#)



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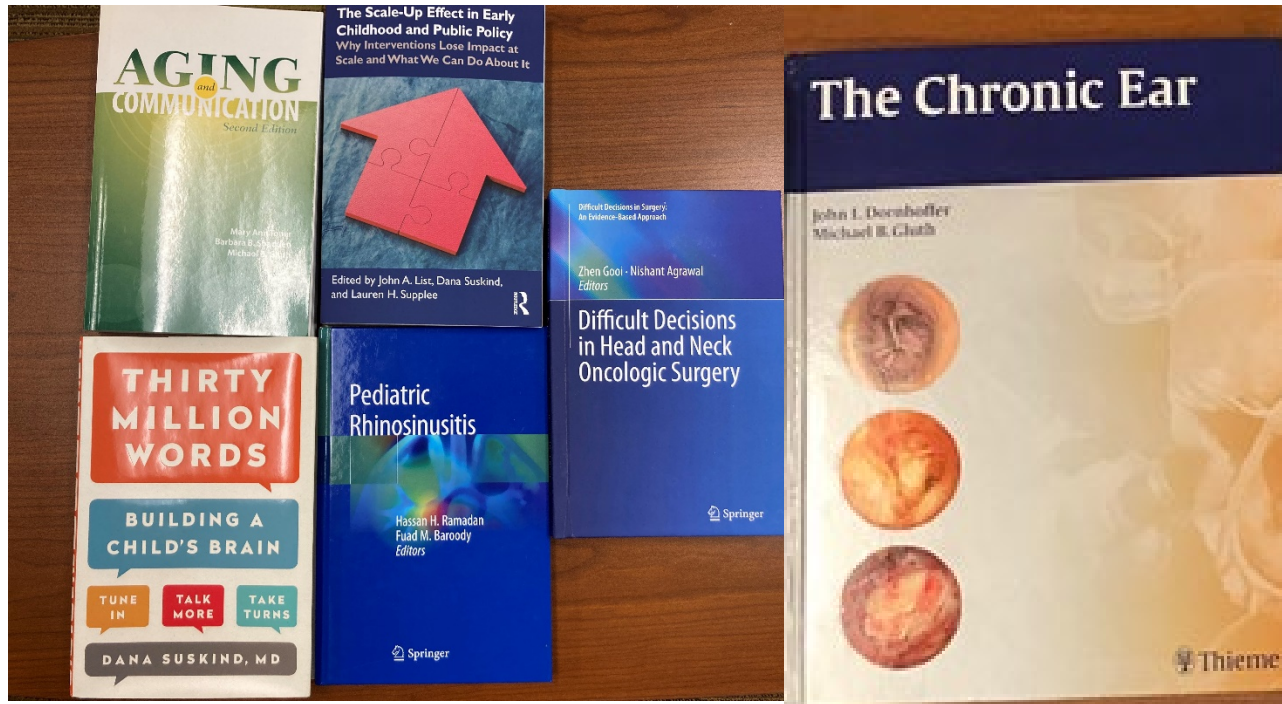
**UChicago Medicine**

# Research Updates

- Total Research Funding from FY21: \$891,502
- Total Publications in FY21: 53
- Other Highlights:
  - *Dr. Pinto: grant from the National Institute on Aging to support his research on Air Pollution and Alzheimer's Dementia: Neuropathologic and Olfactory Mechanisms in Multi-Ethnic Longitudinal Cohorts*
  - *Dr. Gluth: active funding by the National Institute on Deafness & Other Common Disorders for his proposal, Human temporal bone laboratory resource for basic and applied inner ear sciences*
  - *Dr. Agrawal and Head & Neck Team: National Institute Of Dental & Craniofacial Research of the NIH for Somatic Mutations in Tissue and Saliva as Prognostic and Screening Biomarkers for Oral Premalignancy*
  - *TMW: Active funding: \$4,826,200*



# Library

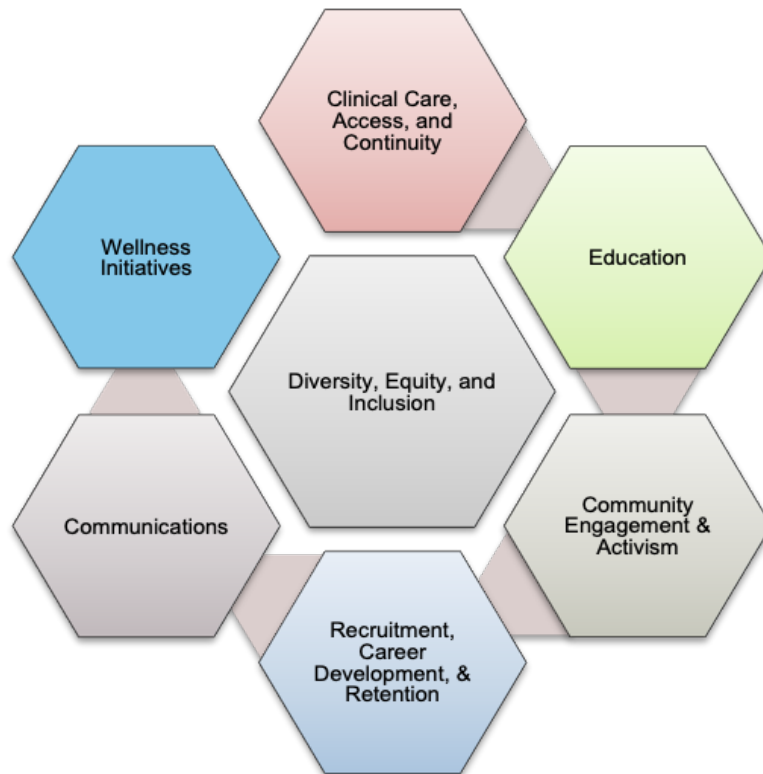


# Temporal Bone Lab





# DEI



**Clinical Care, Access, and Continuity:** Providing equitable care and integrating social determinants of health into our practice

**Communications:** Highlighting our commitment to diversity, equity, and inclusion through formal and informal communications and celebrating our accomplishments within the work environment

**Community Engagement and Activism:** Building trust with members of our community and advocating for change

**Education and Evaluation:** Upgrading our curricula for trainees, faculty, and staff, addressing bias in recruitment and evaluation, and teaching anti-racism

**Hiring, Career Development, and Promotion:** Recruiting diverse clinicians and staff, mentoring, and creating avenues for career development

**Wellness:** Mitigating psychological distress associated with bias or discrimination

# Margie Berry

“

Go into the world  
and do well. But  
more importantly,  
go into the world  
and do good.”

MINOR MYERS JR.

BH&G



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# OHNS Family





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**Thank you!**  
**na@uchicago.edu**



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# **The Otolaryngology-Head and Neck Surgery Residency Program at The University of Chicago**

**Fuad M. Barood, M.D., FACS**

Professor of Otolaryngology-Head and Neck Surgery  
and Pediatrics

Director, Residency Program

# Outline

- Facilities
- Structure of the Program
- Some Numbers
- GME Resources Overview

# Medicine at the University of Chicago



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Medical Campus

# University of Chicago Medicine System

- 9,406 Employees
- 2,491 Nurses
- 870 Attending Physicians
- 987 Residents & Fellows
- 811 Licensed Beds
- 106,641 Emergency Room Visits
- 485,429 Ambulatory Visits
- 32,708 Admissions
- 20,896 Surgeries
- 2,807 Births

Center for Care and Discovery



Comer Children's Hospital



Bernard Mitchell Hospital



Duchossois Center for Advanced Medicine



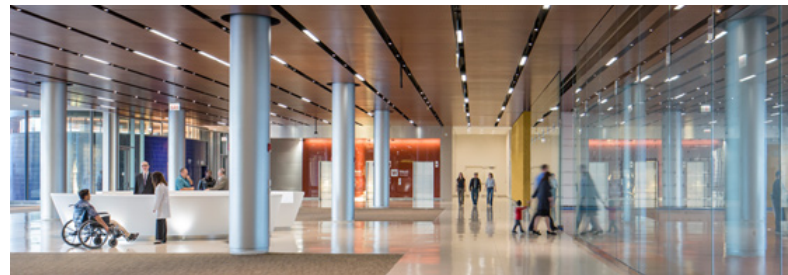
Ingalls Memorial



# Center for Care and Discovery



1.2 million square feet



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Nursing station

Sky Lobby

Operating Room

# Trauma Services at UChicago Medicine

- **Level 1 adult and pediatric trauma services** in Hyde Park launched May 2018
  - Full offering of emergency services through our existing Level 1 adult and Level 1 pediatric trauma services, and the burn and complex wound center
- **Engage the community** not only by providing trauma care, but also focusing on violence prevention, and post trauma support

**Our vision is to provide our communities, patients and their families with high-quality, high-touch trauma care through clinical excellence and integrated recovery and outreach programs, while enlarging the reservoir of knowledge through medical education, research, and community collaboration.**



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# Academic Affiliation with NorthShore University Health System since July 2009



# Northshore University Health System

- Located North of the city
- Private Practice setting with fellowship trained Otolaryngologists of all subspecialties
- Evanston hospital: Main site: Outpatient Clinics, Surgery, In Patient Service
- Warner Institute: Plastics cases
- Skokie Hospital: Surgical cases

# Otolaryngology Residency Program



**John Lindsay**  
**1928-65**



**Cesar Fernandez**  
**1954-1999**



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# Otolaryngology Residency Program

- Currently recruiting **3 residents/year**.
- Will attain full 15 resident complement by 2024.
- Rotations are between the main campus (UCM) and Northshore.
- On site (UCM): 2 resident teams run the service
  - Peds/Otology/Rhinology/Allergy Service
    - PGY2/PGY3/PGY5
  - Head and Neck/Laryngol/Trauma/Plastics Service
    - PGY1/PGY2/PGY3/PGY5/APP(PA or APN)
- At Northshore: UCM residents and UIC resident

# Resident Rotations PGY1

- 6 months on the Head and Neck/Trauma/Plastics Team At UChicago which includes 1 week rotations in:  
**Audiology, Speech, Neuroradiology, and Pathology**
- 6 months on various services:
  - Plastic surgery
  - CT ICU
  - Anesthesia
  - Neurosurgery
  - General Surgery
  - Thoracic Surgery

# Resident Rotations PGY2

- 6 mths on Head and Neck/Laryngol/Trauma/Plastics Team
- 6 mths on Peds/Otology/Rhinology/Allergy Team
- All at main campus

# Resident Rotations PGY3

- 4 months at Northshore
- 3 months on Peds/Otology/Rhinology/Allergy Team at UC
- 3 months on Head-Neck/Laryngol/Trauma/Plastics Team at UC
- 1 month on Plastic Surgery
- 1 month on **Research**

# Resident Rotations PGY4

- 4 months at Northshore
- 4 months **Research** block
- 1 month on Peds/Otology/Rhinology/Allergy Team at UChicago
- 2 months on Head-Neck/Laryngol/Trauma/Plastics Team at UChicago
- 1 month on **Endocrine** Service at UChicago



# Resident Rotations PGY5

- 6 months on Peds/Otology/Rhinology/Allergy Team
  - 6 months on Head-Neck/Laryngol/Trauma/Plastics Team
  - Divided in blocks of 3 months
- 
- NS: At any time, will have one PGY3 and one PGY4 rotating

# Rotations

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
PGY1	HN/TR/FP	HN/TR/FP	Aud/SLP/NR/Path	HN/TR/FP	HN/TR/FP	HN/TR/FP	OUT	OUT	OUT	OUT	OUT	OUT
PGY2	HN/TR/FP	HN/TR/FP	HN/TR/FP	HN/TR/FP	HN/TR/FP	HN/TR/FP	PORL	PORL	PORL	PORL	PORL	PORL
PGY3	PORL	PORL	PORL	HN/TR/FP	HN/TR/FP	HN/TR/FP	RES	PRS	NSUHS	NSUHS	NSUHS	NSUHS
PGY4	NSUHS	NSUHS	NSUHS	NSUHS	RES	RES	RES	RES	HN/TR/FP	HN/TR/FP	ENDO	PORL
PGY5	PORL	PORL	PORL	HN/TR/FP	HN/TR/FP	HN/TR/FP	PORL	PORL	PORL	HN/TR/FP	HN/TR/FP	HN/TR/FP

**PORL**= Peds, Otolaryngology, rhinology, allergy, and laryngology Service University of Chicago medicine

**HN/TR/FP**= Head and Neck, Trauma and Plastics service University of Chicago Medicine

**NSUHS**= Northshore University Health System

**OUT**= Rotations at University of Chicago Medicine outside OHNS

**PRS**= Plastic surgery

**RES**= Research rotation

**Aud/SLP/NR/Path**= Audiology/Speech language pathology/Neuroradiology/Pathology

**ENDO**= General Surgery Endocrine service



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# Call

- PGY1: No night call. Comes in on some Saturdays to help during the day
- PGY2: first 6 months call in house backed up by Chief
- Rest of call is home-based
- Typically no more than one call every 6<sup>th</sup> night
- APP (PA or APN) covers night call 3 nights a week

# Education: Didactics

- Didactic schedule by faculty for residents runs throughout the year and includes all subspecialty topics
- Grand Rounds
- Journal Club
- Invited Speakers
- Attendance at local (CLO) and national conferences (COSM, AAOHNS)

# Education: Courses

- UCM

  - Plating Course

  - Suturing/Soft tissue Course

  - Pig lab (percutaneous trach, suturing)

  - Laser Hands-on

  - Temporal bone

  - Cadaver H&N/Plastics dissection

- Northshore

  - Temporal bone course

  - Rhinology course

  - Sialendoscopy course

- Other

  - Temporal bone (Dallas/PGY4 and Loyola/PGY3)

  - Boot Camp yearly for PGY1 and PGY2 (UMichigan/Rush)



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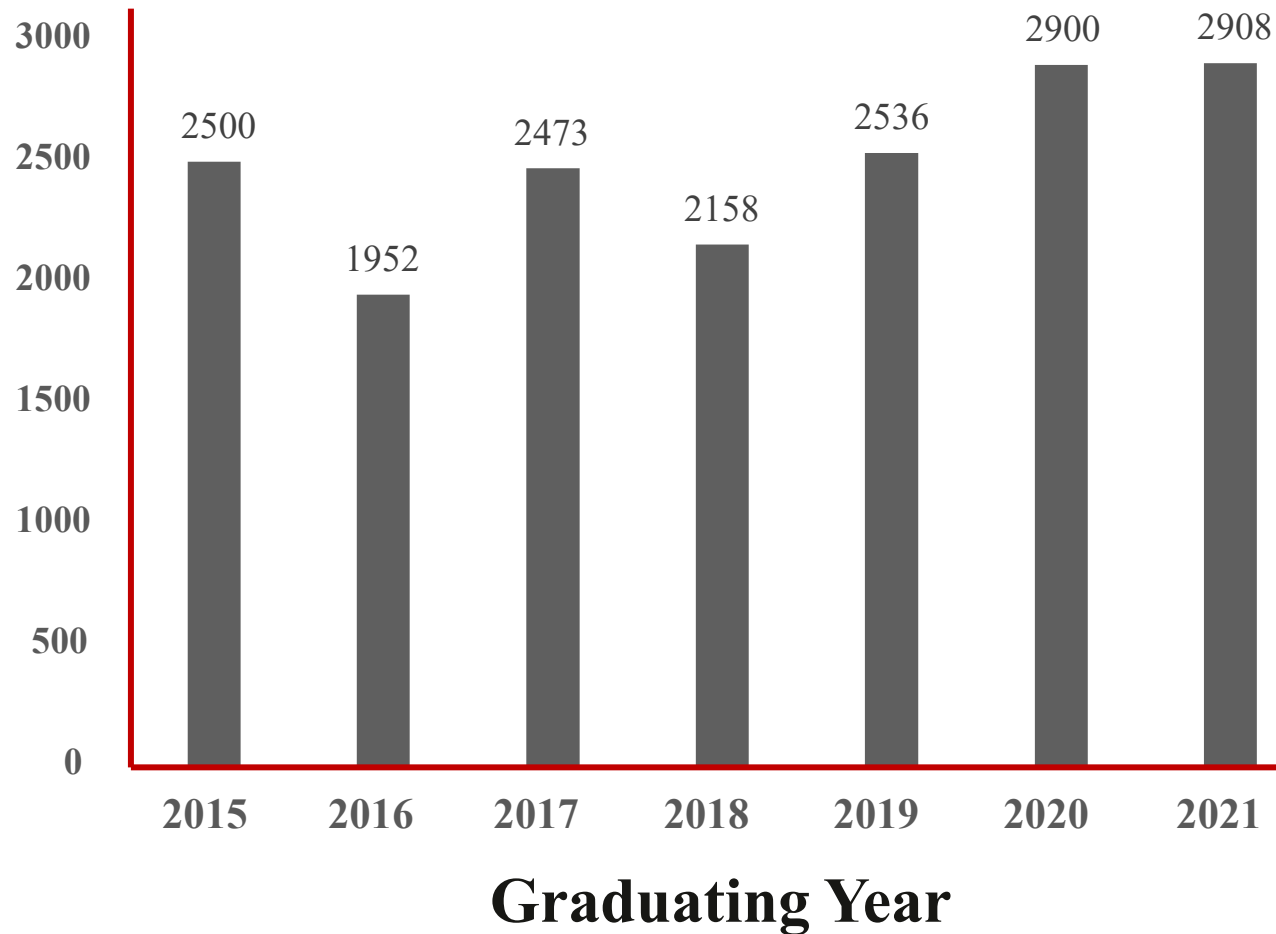
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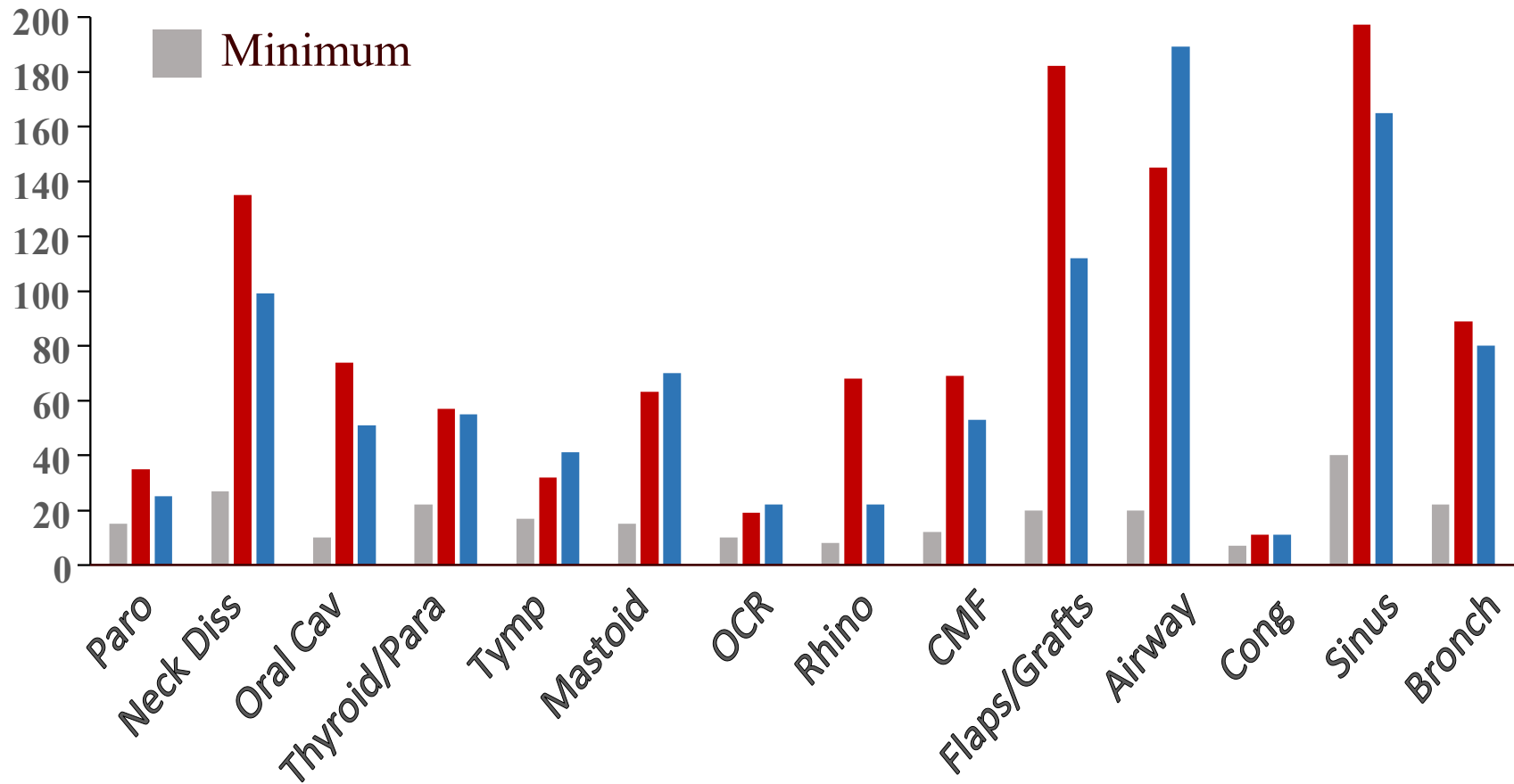
# Research

- 1 month block during PGY3
- 4 months block during PGY4
- Quality Improvement project during PGY3

# Total Number of Surgical Cases (Av of 2 residents)



# Key Indicator Cases: 2021 Graduates



# Destination of Graduating Residents (n=22)

Year of Graduation	Res 1	Res 2
2011	Rhinology	Private Practice
2012	Pediatric Oto	Pediatric Oto
2013	Rhinology	Private Practice
2014	Private Practice	Private Practice
2015	Head and Neck	Private Practice
2016	Pediatric Oto	Private Practice
2017	Pediatric Oto	Otology/Neurotology
2018	Pediatric Oto	Head and Neck
2019	Rhinology	Private Practice
2020	Pediatric Oto	Head and Neck
2021	Laryngology	Facial Plastics

1/22: Otology  
 3/22: Rhinology  
 3/22: H&N  
 6/22: Peds  
 7/22: Practice  
 1/22: Laryngol  
 1/22: Facial Pls

# **Institutional Resources and The Office of Graduate Medical Education (GME)**

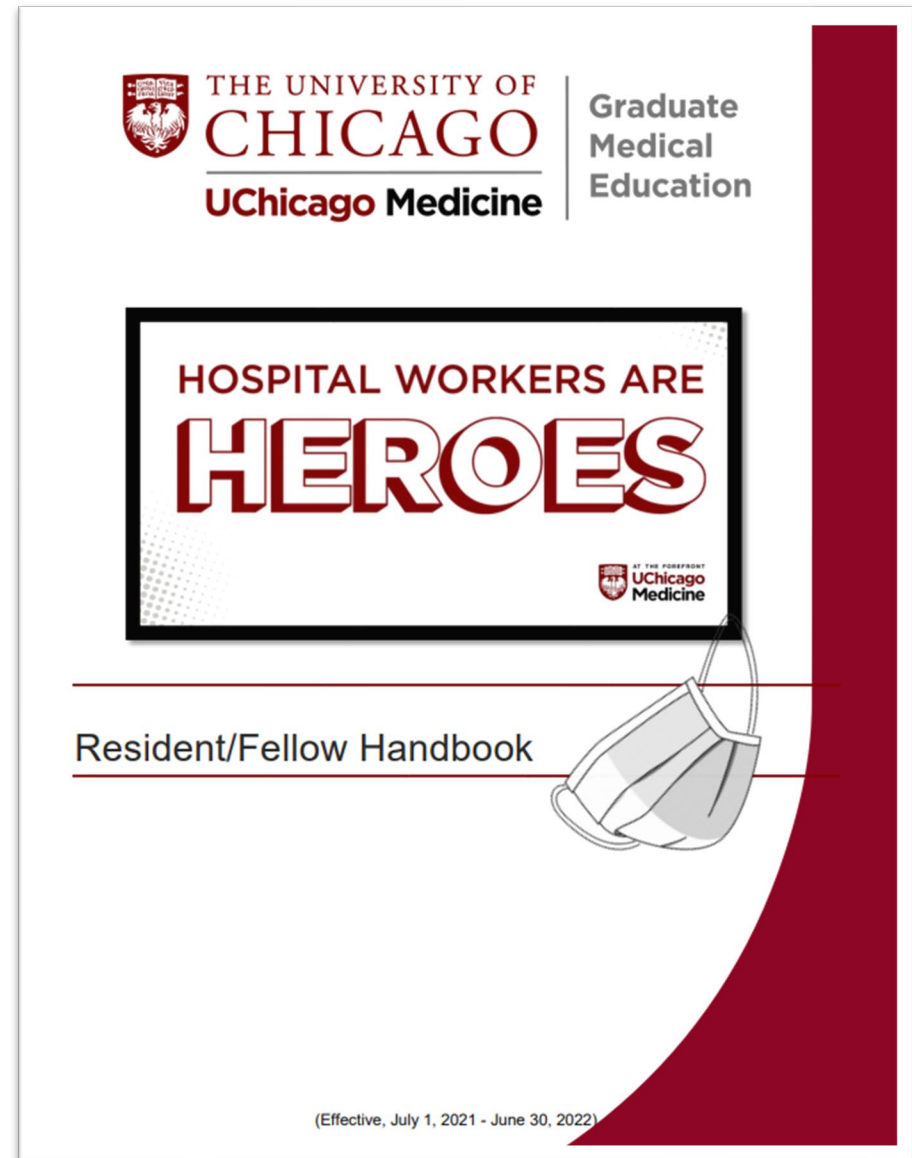
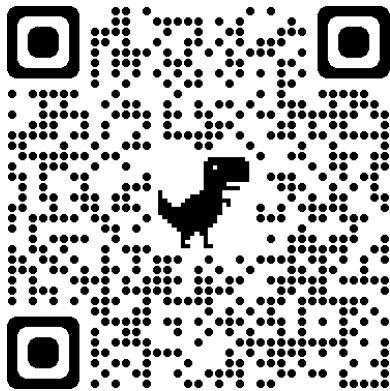


# GME Resources

Visit:

<https://gme.uchicago.edu/>

The GME Handbook, and information regarding contracts and stipends can be found in the “Resources” section.



# Resident Resources



## Resilience Training

Yearly institutional curriculum  
Annual GME Resilience Week  
Orientation Intro to EAP



## Attending to Foundational/ Basic Needs

Fatigue awareness training  
Call rooms  
Post call taxi service  
On call meal allowance  
Lactation rooms  
4<sup>th</sup> Friday Dinners for On-Call Residents



## Connecting with Leaders

Monthly breakfast with DIO  
Quarterly Resident Forum  
Semi-annual Town Halls



## Continuing Resources

Ombudspersons  
EAP  
Resident Health Program  
Psychiatry and Behavioral Health referrals  
Wellness One-sheet resources  
Monthly resident breakfast  
Quarterly social events  
HR sponsored resources

# Engaging Residents in Institutional Quality Work



The IGNITE program is built on a strategic partnership between GME, nursing and operational excellence. The program aims to engage residents and nurses together in performance improvement initiatives, with the ultimate goal of improving healthcare delivery for our patients.

# Engaging Residents in Institutional Quality Work

Around the world, the capabilities of modern medicine are being delivered with staggering complexity. **Too often this complexity contributes to avoidable harm and unsustainable cost.** Moreover, **clinicians rarely have the support necessary to address preventable harm or deliver value**—defined as the best possible care at the lowest possible cost.

To help address this gap at UCM, HDSI launched its annual Choosing Wisely™ Challenge, which will allow **staff and trainees to test their innovative approaches to trust building that aim to improve delivery of health care.**

2021 Themes:

- Patient Care in the New Normal
- Advanced Care Planning
- Patient Education
- Patient Care Coordination
- Optimizing Telemedicine

GME Residents & Fellows are welcome to participate in:

- **Idea Incubator:** Submit ideas for improvement at UCM
  - In 2019, >121 idea submissions
  - Top 5 ideas are chosen by leaders for UW themes
- **Choosing Wisely Challenge:** Submit a Choosing Wisely and become a principle investigator in your own improvement
  - Top 2 are selected to operationalize
  - Team wins 'priority and institutional support to \$20,000 worth of mentorship, project management and staff time



*An initiative of the ABIM Foundation*



Center for  
Healthcare Delivery  
Science and Innovation



# BSD - Diversity & Inclusion

- House Staff
- Faculty
- Grad Students
- Post-docs

BSD



**Tobias Spears**  
Assistant Dean  
Diversity & Inclusion



- LGBTQ Safe Space
- Inclusion Think Shops
- Pathway Programs
- Diversity Grants

## House Staff Diversity Committee



**Chidimma J. Acholonu**  
Co-President  
Pediatrics, PGY-3



**Heather Renfro**  
Co-President  
Emergency Medicine, PGY-2



Connect with us at: [bsddiversity.uchicago.edu](https://bsddiversity.uchicago.edu)



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# Application Process

- Applications released to programs at end of September
- Invites will go out on November 5<sup>th</sup>, 2021
- Interview scheduling by applicants opens Nov 8<sup>th</sup>
- If no response by Nov 9<sup>th</sup>, extend invite to other applicant
- Interviews at UCM: First and Second Week of January:

**Thursday January 6**

**Friday January 14**

- Virtual

# Important Links

## **Residency Home Page:**

<https://surgery.uchicago.edu/education/ohns-residency>

## **Instagram:**

UChicago OHNS

## **Facebook Page:**

University of Chicago-Otolaryngology/Head and Neck Surgery

## **Twitter:**

UChicagoOHNS

# Otolaryngology At The University of Chicago

- Hi faculty/Resident Ratio
- Close relationship between faculty and residents
- Wide variety of cases will prepare the graduates equally well for general practice or fellowship training
- Children's Hospital with consistent pediatric experience
- Solid clinical experience with a highly qualified team of Otolaryngologists in a Private Practice setting at Northshore
- Strong institutional commitment to graduate medical education

# Laryngology at U of C

**Brandon Jackson Baird, MD**

**Assistant Professor**

**University of Chicago**

# Laryngology

- **Brandon Jackson Baird, MD**
- **Elizabeth Blair, MD**
- **New Laryngology Faculty**





# Clinic

- **Diagnostic**

- Flexible Stroboscopy
- Rigid Stroboscopy
- Electromyography

- **Therapeutic**

- Awake Injection Laryngoplasty
- Awake KTP ablation of papilloma/dysplasia
- EMG-guided botox injection
- SLN block for chronic cough
- Office-based biopsy through flexible laryngoscope



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# Voice Center-Conferences and Collaborations

- **Multi-disciplinary Airway Program (Once every other month)**
  - Thoracic Surgery
  - Interventional Pulmonology
- **Combined Model – Voice Patients**
  - Speech Therapy
- **Tumor Board (Weekly)**
  - Radiation Oncology
  - Medical Oncology
  - SLP
- **Gastroenterology**
- **Pulmonology**
- **Anesthesia**
- **Endocrine Surgery**

# Laryngology Experience at U of C

- **Voice**

- Phono-microsurgery for benign vocal fold phonotraumatic lesions
- Vocal fold paralysis – Office based/bedside injections
- Functional and Neurologic Voice Disorders - EMG guide botox injections

- **Airway**

- Multi-disciplinary Airway Disease Clinic - Dr. Blair, Thoracic, Interventional Pulmology
- Endoscopic Dilation, Serial Intralesional Subglottic Injection
- Open Airway Resection/Reconstruction
- Modified T-tube stenting devices

- **Early Laryngeal Cancer**

- KTP, CO2 laser

- **Dysphagia**

- Esophageal Dilation
- CP Myotomy
- Endoscopic/Open Zenkers Diverticulotomy/Diverticulectomy





THE UNIVERSITY OF  
**CHICAGO**  
MEDICINE &  
BIOLOGICAL  
SCIENCES

# Head and Neck Surgical Oncology

Zhen Gooi, M.D.

Associate Professor of Surgery

Director of Head and Neck Robotic Surgery

# UChicago Head and Neck Oncology



THE UNIVERSITY OF  
CHICAGO MEDICINE &  
BIOLOGICAL SCIENCES

Meet and Greet



# Head and Neck Surgical Oncology Faculty- Blend of vastly experienced and ‘newer’



Nishant Agrawal



Elizabeth Blair



Lou Portugal



David Chan



Hassan Arshad



Zhen Gooi



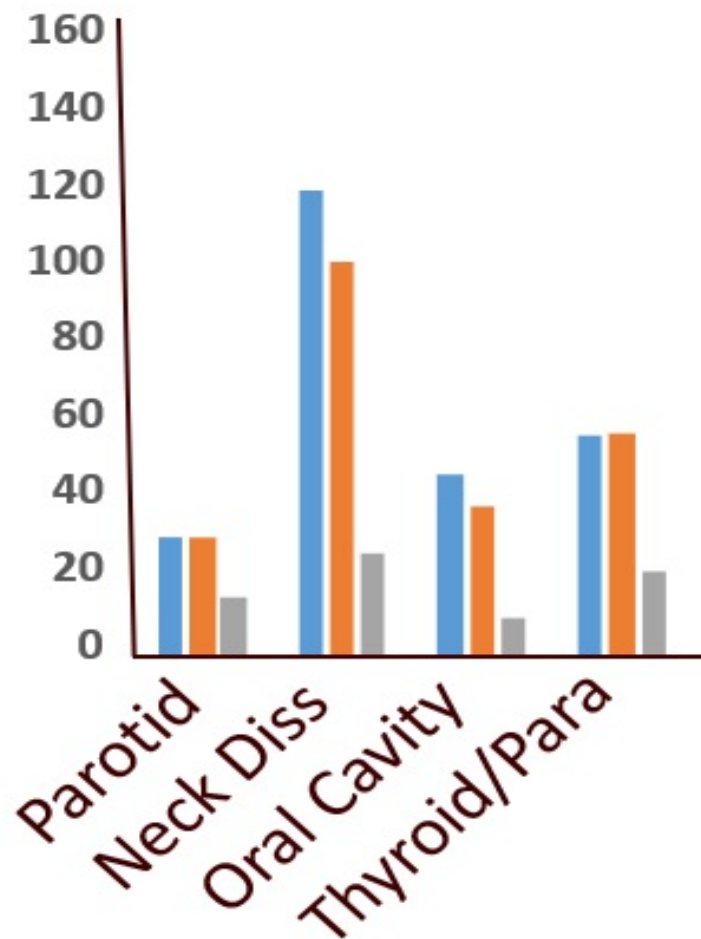
THE UNIVERSITY OF  
CHICAGO MEDICINE &  
BIOLOGICAL SCIENCES

Meet and Greet



# Head and Neck Surgical Oncology Education

No fellows- all cases belong to you!



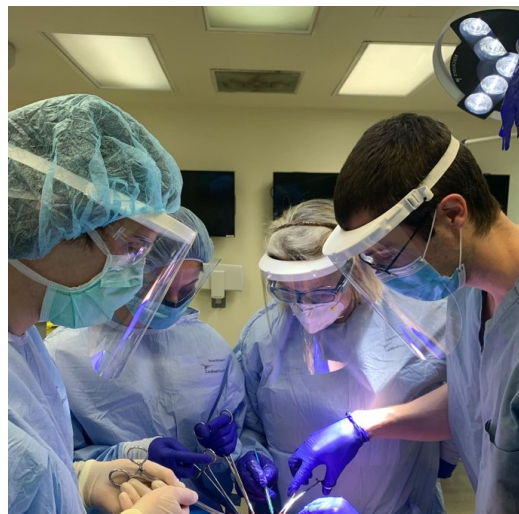
# Head and Neck Surgical Oncology Education



Soft tissue



Laser



Head and neck  
dissection

Didactics- Formal 8-week  
curriculum covering head and  
neck oncology with visiting guest  
lecturers



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Meet and Greet

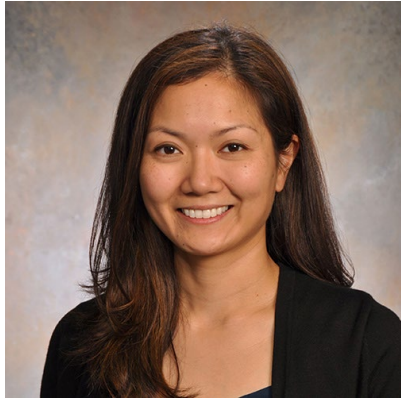
# Clinical Trials



	Definitive	Recurrence	Adjuvant
HPV+	OPTIMA II		
Either		ABRAXANE Re-irradiation NANORAY Re-irradiation IOVANCE T.I.L.	PATHWay
HPV-	DEPEND		



# Track record for fellowship placement over past 6 years



Cheryl Nocon, 2015  
Fellowship-  
University of  
Wisconsin



Jessica Yesensky,  
2018  
Fellowship- UCSD



Camil Correia, 2020  
Fellowship-  
Northwestern University



Adam Howard,  
Class of 2021

Accepted fellowship  
at Oregon Health  
and Science  
University







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Thank you

zg@uchicago.edu



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## **Research in Otolaryngology**

Jayant M. Pinto, M.D., F.A.C.S.

Professor of Surgery | Director of Rhinology | Director of Research  
Section of Otolaryngology-Head and Neck Surgery, Department of Surgery  
Dean of Faculty Affairs, Biological Sciences Division  
[jpinto@uchicago.edu](mailto:jpinto@uchicago.edu)





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# Most Nobel Prize Winners by University (n)

1. Harvard, USA (161)
2. Cambridge, UK (121)
3. California Berkeley, USA (110)
- 4. University of Chicago, USA (100)**
5. MIT, USA (97)
6. Columbia, USA (96)
7. Stanford, USA (84)
8. Cal Tech, USA (76)
9. Oxford, UK (72)
10. Princeton, USA (69)
11. Yale, USA (65)



# Nobel Prizes in Medicine

- **Bruce A. Beutler\*, 2011**
- Roger W. Sperry\*, 1981
- George Wald, 1967
- **Charles Huggins, 1966**
- Konrad Bloch, 1964
- Sir John Carew Eccles, 1963
- **James Watson\*, 1962**
- George Wells Beadle, 1958
- Edward Lawrie Tatum, 1958
- Herman Joseph Muller, 1946
- Edward Adelbert Doisy, 1943
- **Alexis Carrel, 1912**



# UChicago Otolaryngology: John R. Lindsay



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# UChicago Otolaryngology

14 of his trainees became OHNS department chairs; 3 others from UChicago since

- Harold Schuknecht: Harvard
- Garth Hemenway: Colorado
- Paul Ward: UCLA
- Theodore Walsh: Wash U
- Robert Kohut: Wake Forest
- George Singleton: Florida
- Greg Matz: Loyola
- Horst Konrad: Southern Illinois
- James Stankiewicz: Loyola

- Ralph Naunton: UChicago
- Willard Moran: Oklahoma
- Kathleen Yaremchuk: Henry Ford
- George Connor: Penn State
- Lloyd Minor: Johns Hopkins
  
- Cesar Fernandez
- Rinaldo Canalis
- Leonard Proctor
- John Fredrickson
- Dennis Poe



# UChicago Otolaryngology Research 2021

- Somatic Mutations in Tissue and Saliva as Prognostic and Screening Biomarkers for Oral Premalignancy
  - funded by NIDCR, Nishant Agrawal, P.I.
- Active program in molecular-based diagnostic salivary test for prognostication, screening, and diagnosis of oral premalignant lesions that are most likely to progress to oral cancer and earlier stage oral cavity squamous cell carcinoma.
- Thereby allows for earlier and potentially more curative interventions with limited morbidity and mortality.



# UChicago Otolaryngology Research 2021

- Human temporal bone laboratory resource for basic and applied inner ear sciences
  - funded by NIDCD, Michael Gluth, P.I.
- Collaboration with colleagues at UCLA to facilitate access to UChicago temporal bone laboratory collection of 1700 processed temporal bone specimens.
- Studies involve collection into high definition electronic and experiments aimed at developing new techniques for usage and processing of archival human temporal bone specimens.





# UChicago Otolaryngology Research 2021

- Rhinology: Air Pollution and Alzheimer's Dementia: Neuropathologic and Olfactory Mechanisms in Multi-Ethnic Longitudinal Cohorts
  - funded by NIA, Jayant Pinto, P.I.
- Large scale cohort studies to examine how exposure to air pollution plays a role in the development of Alzheimer's disease, via longitudinal evaluation of cognitive function and dementia in ~5000 participants, postmortem neuropathologic assessments, and evaluation of the olfactory system as a direct pathway for environmental toxicants to reach the brain.



# UChicago Otolaryngology Research 2021

- Any Time Is 3Ts Time
  - funded by the PNC Foundation, Dana Suskind, P.I.
- A multimedia campaign that aims to raise awareness of the 3Ts and support parents in the critical role of fostering their children's foundational brain development.
- Multiple related projects ongoing nationwide as part of as part of the Thirty Million Words (TMW) Center for Early Learning + Public Health



# UChicago Otolaryngology Research

- Epidemiology of sensory disorders and aging
- Clinical trials of biologics and other therapies for Nasal Polyposis
- Microbiome studies in laryngeal cancer, nasal disease
- Novel testing for COVID-19
- Long term outcomes in COVID-19 survivors
- Aerosolization of SARS-CoV-2
- Optimizing treatment for Advanced Head and Neck Cancer
- Cancer clinical trials
- Animal models of ear disease
- In office endonasal revision rhinoplasty



# UChicago Otolaryngology Research

- Mathematical prediction models to optimize post treatment surveillance in oropharyngeal Cancer
- Encouraging immigrant mothers to use their native language: A randomized controlled trial
- Leveraging the universal hearing screen to impact parental knowledge of childhood speech development in low socioeconomic populations: A randomized clinical trial
- Dose and volume de-escalation for HPV-associated oropharyngeal cancer long-term follow-up
- Is facility volume really a predictor for positive margins in oral cavity resection? A low volume center's experience
- Effect of in-service education on epistaxis knowledge and perceived management



# UChicago Otolaryngology Research

- Variability in antibiotic prescribing practices for clean-contaminated head and neck surgeries (QI project)
- Are rhinitis and Eustachian tube dysfunction associated in United States adolescents?
- Practice patterns and patient/provider satisfaction in a virtual Rhinology/Skull Base Surgery Clinic
- Evaluation of olfactory dysfunction in hospitalized patients with COVID-19
- Change in comorbidity and treatment facility in head and neck cancer after the Affordable Care Act
- Use of SPEAK tool in pediatric otolaryngology clinic



# UChicago Otolaryngology

- Our section has a total of ~\$6 million in active research award funding. Of this amount, ~\$4 million was awarded through the NIH.
- This is extraordinary considering our faculty size.
- We're looking for smart, passionate, creative, driven people to carry the torch in our storied history of advancing knowledge in our field.
- Unlimited opportunities for scholarship.





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## Rhinology/Anterior Skull Base Surgery

Jayant M. Pinto, M.D., F.A.C.S.

Professor of Surgery | Director of Rhinology | Director of Research  
Section of Otolaryngology-Head and Neck Surgery, Department of Surgery  
Dean of Faculty Affairs, Biological Sciences Division  
[jpinto@uchicago.edu](mailto:jpinto@uchicago.edu)



# Rhinology Training Experience

- Multiple faculty
  - Jayant Pinto, M.D., Professor, Director
  - Louis Portugal, M.D., Professor
  - Christopher Roxbury, M.D., Assistant Professor
  - Nadieska Caballero, M.D., Clinical Associate
  - (Joey Raviv, M.D., Clinical Associate Professor, NorthShore affiliate)
  - (Auddie Sweis, M.D., Clinical Assistant Professor, NorthShore affiliate)
- High volume of cases
- Full spectrum of disease, procedures
- Inclusion of Otolaryngic Allergy
  - Busy biologics/immunotherapy practice, led by Dr. Caballero



# Anterior Skull Base Training Experience

- Multidisciplinary Team
  - Christopher Roxbury, M.D., Director
  - Jayant Pinto, M.D.
  - Peleg Horowitz, M.D., Ph.D., Neurosurgery
  - Paramita Das, M.D., Neurosurgery
  - Bakhtiar Yamini, M.D., Chair, Neurosurgery
  - (Joey Raviv, M.D., NorthShore affiliate)
  - (Auddie Sweis, M.D., NorthShore affiliate)
  - (Ricky Wong, M.D., NorthShore affiliate, Neurosurgery)
- Malignant and Benign Lesions
- CSF leaks, Trauma





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RoboMorpho



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# Otology/Neurotology

**Michael Gluth, MD**

**Professor of Otolaryngology-Head and Neck Surgery**

**Director, Comprehensive Ear and Hearing Center**



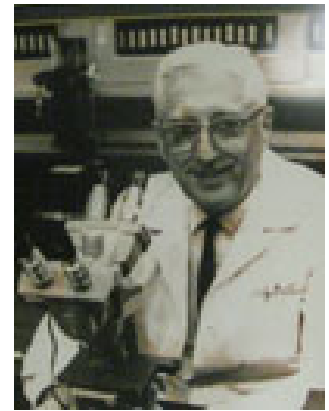
# Otology/Neurotology - Ear & Hearing Center

- 2 surgeons--Otology/Neurotology
  - Dr. Michael Gluth
  - Dr. Ted Imbery
- 9 audiologists, 2 SLP CI auditory rehab, 1 CI program coordinator
- Full scope of otology/neurotology practice:
  - Chronic otitis media/cholesteatoma
  - Stapes, middle ear surgery
  - Congenital aural atresia
  - Eustachian tube balloon dilation
  - Adult and Pediatric CI Program: 2021 ~ 100 cochlear implants
  - Multidisciplinary skull base team with neurosurgery, acoustic neuroma and other lesions
  - Vestibular disorders





# University of Chicago Otology



- **Dr. John R. Lindsay:**
- Father of otopathology in USA; arguably the father of academic otology
- Arrived 1928 at U Chicago from ENT training at McGill in Canada
- Inspired by Dr. Dallas Phemister, Chair of Surgery UChicago to base clinical medicine on understanding of the pathologic basis of disease
- 1929 took one year to learn temporal bone histopathology from Professor Felix Nager, first Chair of Otolaryngology at the University of Zurich
- Upon return, developed Section of Otolaryngology at UChicago as chair including otopathology lab, residency training program, vestibular physiology lab
  - Otopathology lab is 2<sup>nd</sup> oldest in USA, ~2000 specimens
  - Later, was one of the founding members of the Temporal Bone Banks Program via the DRF
    - Now the NIDCD Temporal Bone Registry



# UChicago Otology Legacy



- **Dr John R. Lindsay:**
- Helped describe the pathophysiology involved with suppurative infection of the mastoid air cell tracts and petrous pyramid—including petrous apex surgical pathways
- One of the earliest detailed descriptions of endolymphatic hydrops
- Pioneering work on histopathology vestibular neuritis
- Detailed work on suppurative labyrinthitis and proposed mechanisms for otogenic meningitis
- Started vestibular physiology lab with Dr. Cesar Fernandez
  - Later joint collaboration with Jay Goldberg PhD, Neurobiologist
    - Jointly mapped the vestibular pathways and founded field of vestibular physiology
    - 1971 publication is 4<sup>th</sup> most cited article with American Physiology Society
    - Nearly all notable current basic science researchers of the vestibular system track back to Fernandez and Lindsay at UChicago

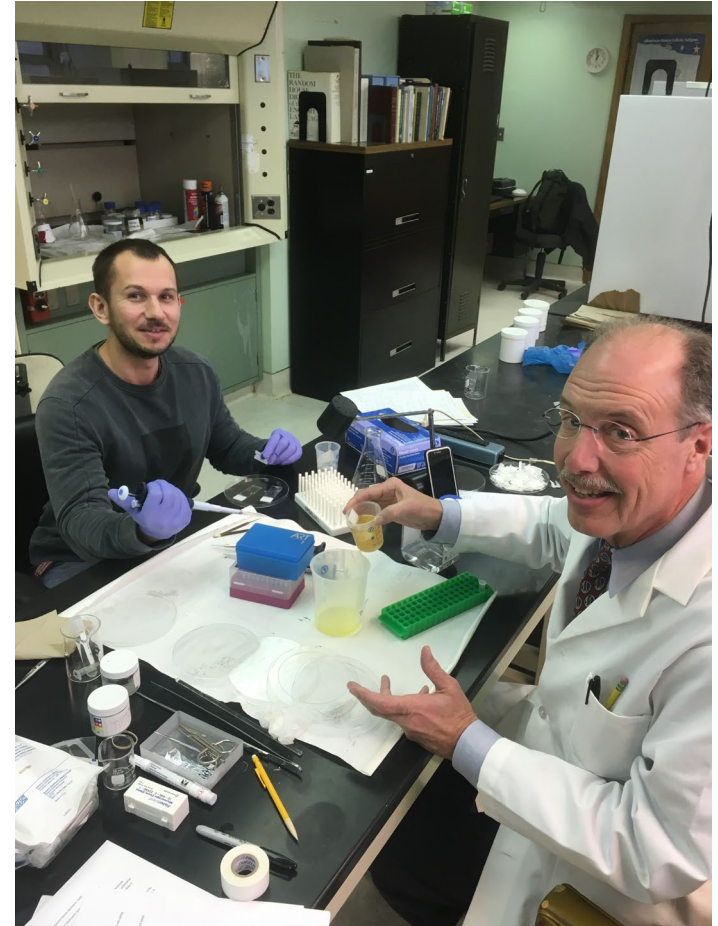


# Ear & Hearing Research

- Ear Research:
  - Bloom Otopathology Lab: Joint NIH Grant with UCLA
    - 1 lab associate, research fellow
  - Thirty Million Words Center: Nexus of hearing health, speech, economics, social science
    - Dana Suskind, MD
  - Clinical research: 3 active clinical trials
  - Collaborations:
    - Ruth Anne Eatock PhD: Vestibular Physiology
    - Howard Nusbaum PhD: Psychology of Hearing

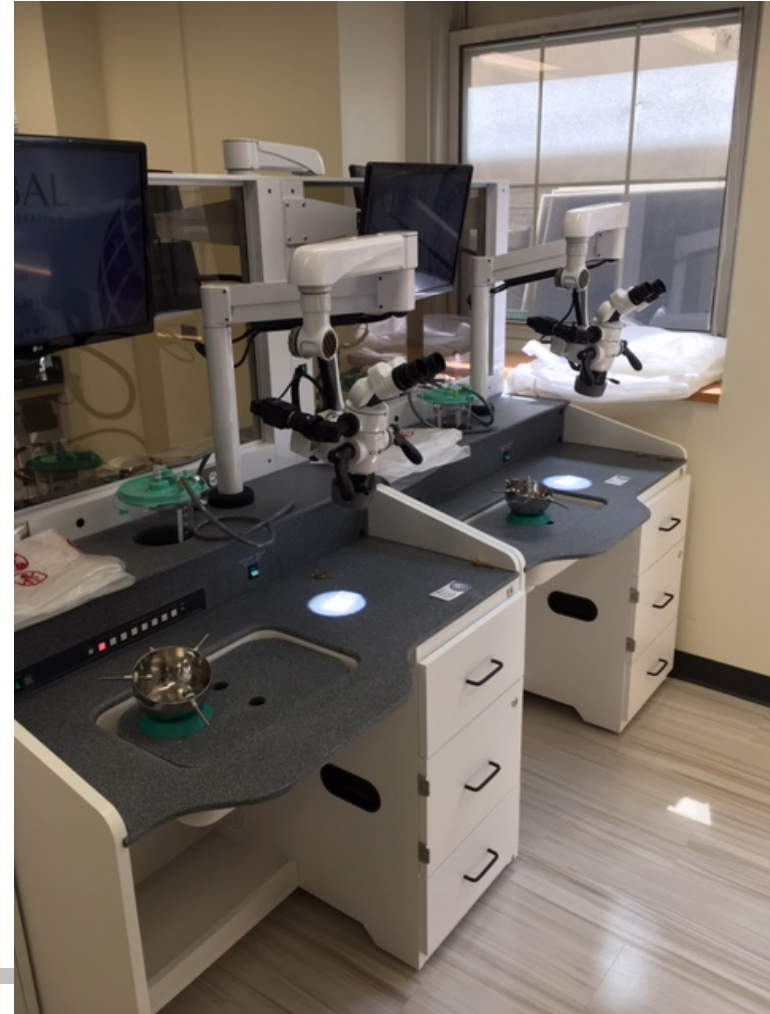


# Otopathology Lab



# Educational Program: Otology

- Yearly temporal bone lab
- Yearly didactic program
- Upper level resident participation in UTSW lab





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**UChicago Medicine**

**Comer Children's**

# **Pediatric Otolaryngology**

**Andrea Shogan MD**

**Assistant Professor of Surgery**

**Clerkship Director**

**Section of Otolaryngology-Head and Neck Surgery,  
Department of Surgery**

**[ashogan@surgery.bsd.uchicago.edu](mailto:ashogan@surgery.bsd.uchicago.edu)**



# Pediatric Otolaryngology

- **3 Pediatric Otolaryngologists:**
  - Fuad Baroodi MD
    - Director of Pediatric Otolaryngology
  - Andrea Shogan MD
    - Clerkship Director
  - Dana Suskind MD
    - Director of Pediatric Cochlear Implantation Program
    - Co-Director of TMW Center for Early Learning and Public Health
- **Comer Children's Hospital**
  - 172 beds
  - 65 bed Level III NICU
  - 30 plus bed PICU
  - 5 Operating Rooms



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**Comer Children's**



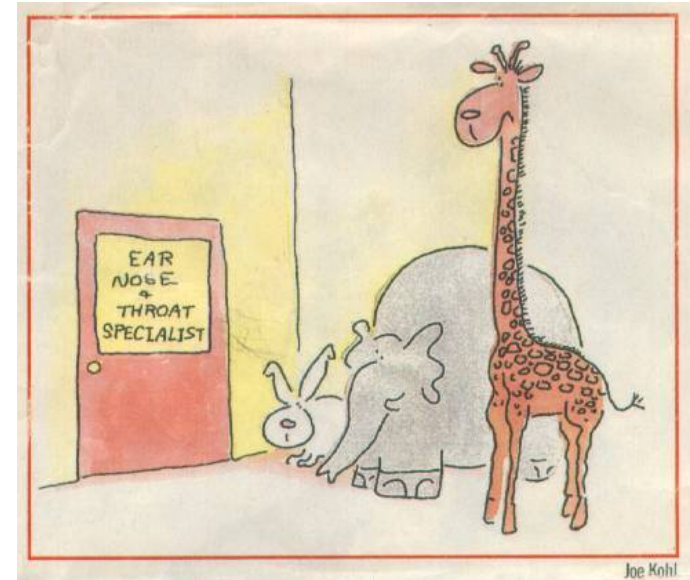
# Pediatric Otolaryngology

## Collaborate:

Pulmonary  
Gastroenterology  
Pediatric Surgery  
Speech Therapy  
Audiology

- **Multidisciplinary Clinics**

- Vascular Anomalies- once every other month
- Cleft Palate/Craniofacial- once a month
- Maternal Fetal Medicine
- Aerodigestive Clinic- once a month



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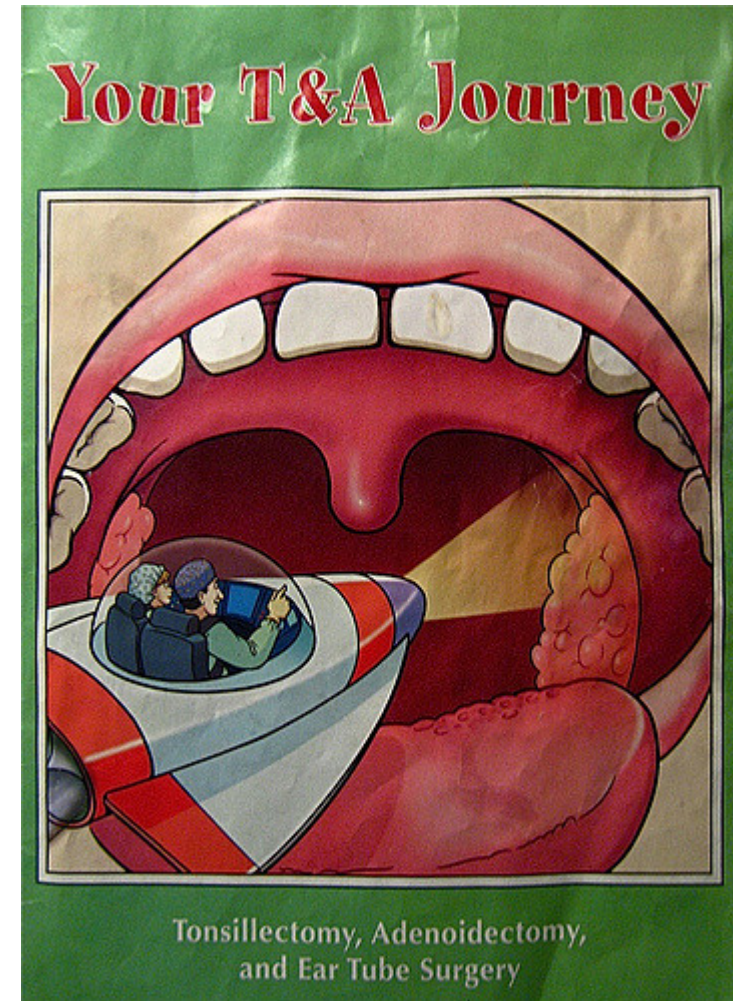
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# Pediatric Otolaryngology

- **Types of Cases**

- **“Bread and Butter”** (T&A, BMT)
- **Airway-** laryngoscopy/bronchoscopies, endoscopic dilations/procedures, tracheostomies, open airway
- **Otology** – Cochlear implants, tympanoplasty, mastoidectomy, OCR (with our Neuro-Otologists)
- **Rhinology-** endoscopic sinus surgeries, septoplasty
- **Head and Neck-** congenital neck masses, abscesses, tumors
- **Facial Plastic-** facial fractures, scar revisions, wound closures



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## Facial Plastic Surgery

David Chan MD

Clinical Associate of Surgery

Director, Otolaryngology- Head and Neck Surgery at Ingalls



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# Meet the Residents

Otolaryngology – Head & Neck Surgery

# PGY1s



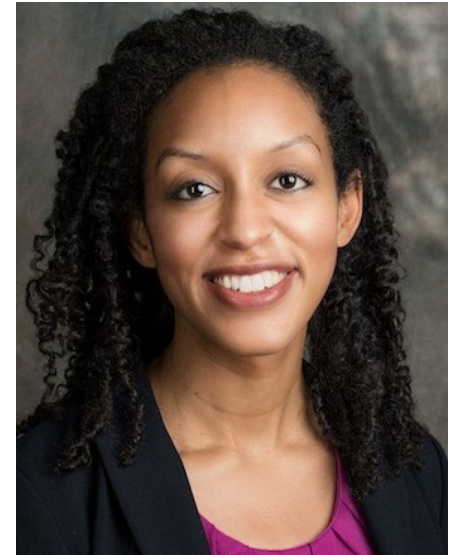
Maximilian Hemmrich  
Medical School: University of  
Chicago Pritzker SOM  
Hometown: Michigan

Spent time as software engineer  
prior to starting medical school!



Onyekachi (Ezinna) Nnabue  
Medical School: UCSF  
Hometown: Los Angeles, CA

Loves how accessible Chicago parks  
and the lakeshore are, enjoys biking  
along the lakefront



Julia Naman Thomas  
Medical School: University of  
Chicago Pritzker SOM  
Hometown: Columbus, GA

Favorite thing about Chicago is all  
the summer festivals each  
neighborhood hosts!





## PGY-2s



Aaron Wallace

Medical School: University of  
Chicago Pritzker SOM  
Hometown: New Hartford, NY

Loves to bake treats for his  
friends and co-residents!



David Grande

Medical School: Loyola  
University Stritch SOM  
Hometown: Park Ridge, IL

Beekeeping is his hobby!

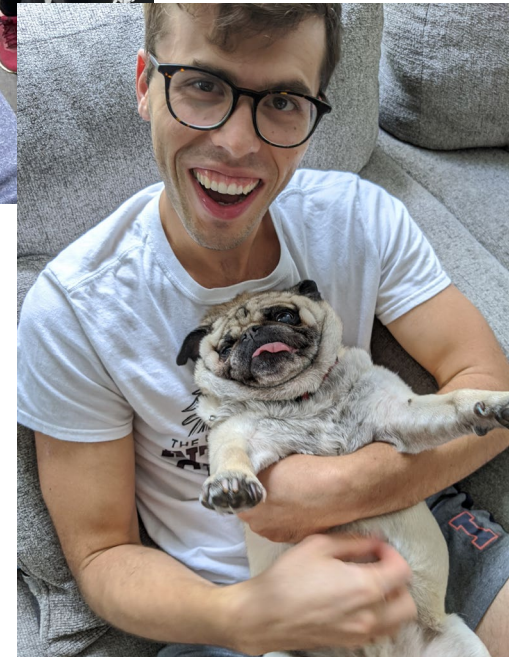


Samuel Auger

Medical School: Rush University SOM  
Hometown: Chicago, IL/Quito, Ecuador

Loves running through new  
neighborhoods, live music and exploring  
Chicago museums!







## PGY-3s



Zach Warren

Medical School: University of Texas – Medical  
Branch

Hometown: Austin, TX

Used to be a barista throughout college and  
medical school!



Nirali Patel

Medical School: Rutgers New Jersey  
Medical School

Hometown: Rockaway, NJ

Loves finding new restaurants and  
walks along the Riverwalk!





## PGY-4s



Laura Petrauskas

Medical School: Louisiana State University SOM  
Hometown: Naperville, IL

Loves sailing and running along the Lakefront with  
her (adorable) pup Wrigley!



Avery Nelson

Medical School: University of South Carolina  
SOM  
Hometown: Cedarburg, WI

Loves to bike along Lakeshore Drive!



## PGY-5s

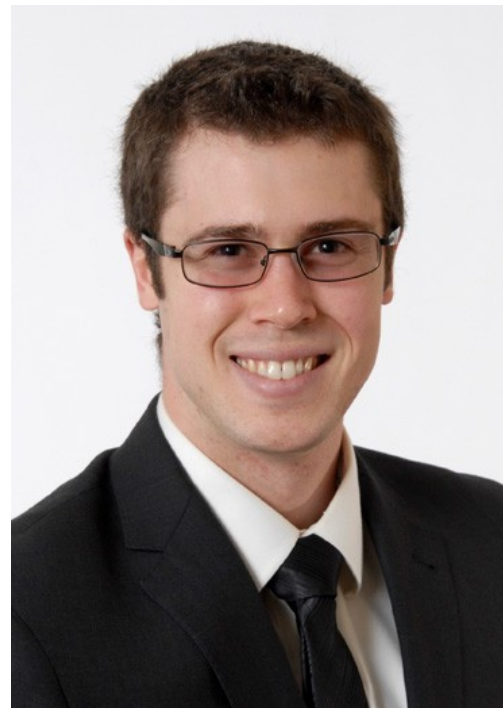


Dara Adams

Medical School: University of  
Chicago Pritzker SOM

Hometown: Winnetka, IL

Loves running along the lake &  
exploring all the restaurants in  
town!



Adam Howard

Medical School: University of Southern  
California Keck SOM

Hometown: San Diego, CA

Loves walking along the lake and trying  
out new restaurants







# Where We Live

Neighborhoods in Chicago:

- Hyde Park
- South Loop
- West Loop
- River North
- Streeterville
  - Pilsen

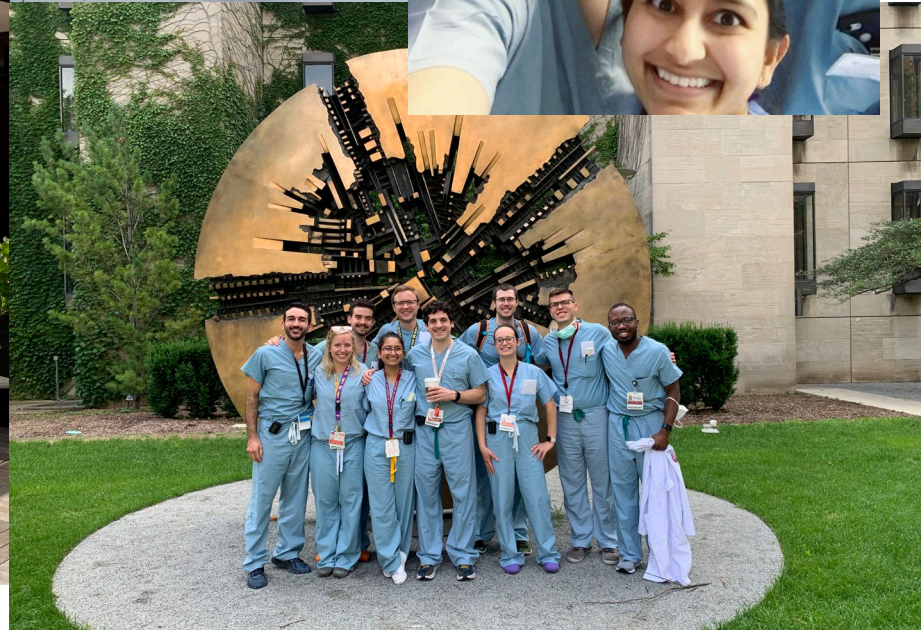
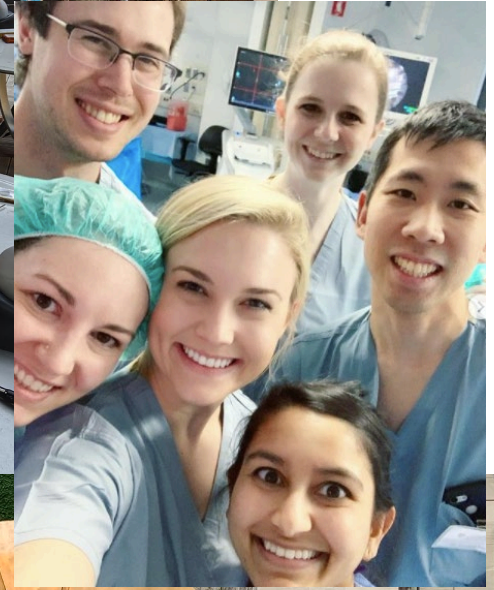




















# We love birthdays!





**And selfies!**













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# Questions???