Meet and Greet

Otolaryngology-Head and Neck Surgery at the University of Chicago

- Overview: Nishant Agrawal, Section Chief
- The Residency Program: Fuad Baroody, 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
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
Pritzker School of Medicine
Ranked #17 in Research by US News
Ranked #34 in Primary Care

UChicago Medicine
19th 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
### CRAIN'S LIST: CHICAGO'S LARGEST HOSPITALS

Ranked by 2019 net patient revenue

<table>
<thead>
<tr>
<th>2019 ranking</th>
<th>Hospital</th>
<th>Hospital administrator</th>
<th>Network affiliation</th>
<th>2019 net patient revenue (millions)</th>
<th>% change from 2018</th>
<th>2019 net profit (millions)</th>
<th>% change from 2018</th>
<th>No. of inpatient days</th>
<th>Hospital employees</th>
<th>Available beds</th>
<th>Daily occupancy rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NORTHWESTERN MEMORIAL HOSPITAL¹</td>
<td>Julie Creamer</td>
<td>Northwestern Memorial HealthCare</td>
<td>$1,926.2</td>
<td>4.4%</td>
<td>$147.7</td>
<td>-18.7%</td>
<td>238,035</td>
<td>6,380</td>
<td>776</td>
<td>84.0%</td>
</tr>
<tr>
<td>2</td>
<td>UNIVERSITY OF CHICAGO MEDICAL CENTER²</td>
<td>Thomas E. Jackiewicz</td>
<td>University of Chicago Medicine</td>
<td>$1,801.4</td>
<td>6.7%</td>
<td>NA</td>
<td>NA</td>
<td>218,532</td>
<td>9,081</td>
<td>686</td>
<td>NA</td>
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<tr>
<td>3</td>
<td>RUSH UNIVERSITY MEDICAL CENTER²</td>
<td>Omar B. Lateef</td>
<td>Rush University System for Health</td>
<td>$1,659.1</td>
<td>8.0%</td>
<td>$189.9</td>
<td>7.1%</td>
<td>169,546</td>
<td>9,311</td>
<td>556</td>
<td>83.5%</td>
</tr>
<tr>
<td>4</td>
<td>ADVOCATE CHRIST MEDICAL CENTER</td>
<td>Matt Primack</td>
<td>Advocate Aurora Health</td>
<td>$1,245.6</td>
<td>4.9%</td>
<td>$96.6</td>
<td>86.5%</td>
<td>217,121</td>
<td>6,109</td>
<td>735</td>
<td>80.9%</td>
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<tr>
<td>5</td>
<td>LOYOLA UNIVERSITY MEDICAL CENTER²</td>
<td>Tad A. Gomez</td>
<td>Loyola Medicine¹</td>
<td>$1,198.3</td>
<td>6.0%</td>
<td>$26.9</td>
<td>101.7%</td>
<td>133,463</td>
<td>7,344</td>
<td>485</td>
<td>75.0%</td>
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</tbody>
</table>

¹ Headquarters: 251 E. Huron St., Chicago 60611, 312-926-2000; NM.org
² Headquarters: 5841 S. Maryland Ave., Chicago 60637, 773-702-0025; UChicagoMedicine.org

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UChicago Medicine

AT THE FOREFRONT
OHNS Case Volumes

OHNS Case Trends

FY17: 2282
FY18: 2495
FY19: 2578
FY20: 2397
FY21: 2456
RVUs

OHNS wRVU Trend

<table>
<thead>
<tr>
<th>FY</th>
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<tbody>
<tr>
<td>FY17</td>
<td>57,979</td>
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<td>60,871</td>
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<td>FY20</td>
<td>58,808</td>
</tr>
<tr>
<td>FY21</td>
<td>69833</td>
</tr>
</tbody>
</table>
Cochlear Implant Program

University of Chicago Cochlear Implant Volume by Year
Red = Pediatric, Gold = Adult
UCM Faculty

Nishant Agrawal, MD  Brandon Baird, MD  Fuad Baroody, 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
May 24, 2017

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

By KRISTEN SCHORSCH | 

SHARE  Facebook  0  Twitter  LinkedIn  0  Google +  0
University of Chicago Launches School of Molecular Engineering

School is among a handful worldwide dedicated to the growing field

By Jake Holland
May 28, 2019 11:00 am ET

The University of Chicago launched Tuesday the Pritzker School of Molecular Engineering, one of a handful of schools worldwide 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.

TO READ THE FULL STORY
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
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
Go into the world and do well. But more importantly, go into the world and do good.”

MINOR MYERS JR.

BH&G
Thank you!
na@uchicago.edu
The Otolaryngology-Head and Neck Surgery Residency Program at The University of Chicago

Fuad M. Baroody, 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
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
1.2 million square feet

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.
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
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

<table>
<thead>
<tr>
<th></th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY1</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>Aud/SLP/NR/Path</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
<td>OUT</td>
</tr>
<tr>
<td>PGY2</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
</tr>
<tr>
<td>PGY3</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>RES</td>
<td>PRS</td>
<td>NSUHS</td>
<td>NSUHS</td>
<td>NSUHS</td>
<td>NSUHS</td>
</tr>
<tr>
<td>PGY4</td>
<td>NSUHS</td>
<td>NSUHS</td>
<td>NSUHS</td>
<td>NSUHS</td>
<td>RES</td>
<td>RES</td>
<td>RES</td>
<td>RES</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>ENDO</td>
<td>PORL</td>
</tr>
<tr>
<td>PGY5</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
<td>HN/TR/FP</td>
</tr>
</tbody>
</table>

**PORL** = Peds, Otology, 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
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 6th 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)
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)

Graduating Year

- 2015: 2500
- 2016: 1952
- 2017: 2473
- 2018: 2158
- 2019: 2536
- 2020: 2900
- 2021: 2908
### Destination of Graduating Residents (n=22)

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Res 1</th>
<th>Res 2</th>
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</thead>
<tbody>
<tr>
<td>2011</td>
<td>Rhinology</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2012</td>
<td>Pediatric Oto</td>
<td>Pediatric Oto</td>
</tr>
<tr>
<td>2013</td>
<td>Rhinology</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2014</td>
<td>Private Practice</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2015</td>
<td>Head and Neck</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2016</td>
<td>Pediatric Oto</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2017</td>
<td>Pediatric Oto</td>
<td>Otology/Neurotology</td>
</tr>
<tr>
<td>2018</td>
<td>Pediatric Oto</td>
<td>Head and Neck</td>
</tr>
<tr>
<td>2019</td>
<td>Rhinology</td>
<td>Private Practice</td>
</tr>
<tr>
<td>2020</td>
<td>Pediatric Oto</td>
<td>Head and Neck</td>
</tr>
<tr>
<td>2021</td>
<td>Laryngology</td>
<td>Facial Plastics</td>
</tr>
</tbody>
</table>

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.

![QR Code]

[Image: GME Handbook cover]
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
  - 4th 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
BSD - Diversity & Inclusion

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

Tobias Spears
Assistant Dean
Diversity & Inclusion

THE INCLUSION MENU

- 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
Application Process

- Applications released to programs at end of September
- Invites will go out on November 5th, 2021
- Interview scheduling by applicants opens Nov 8th
- If no response by Nov 9th, 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
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 Intrallesional 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
Head and Neck Surgical Oncology

Zhen Gooi, M.D.
Associate Professor of Surgery
Director of Head and Neck Robotic Surgery
Head and Neck Surgical Oncology Faculty- Blend of vastly experienced and ‘newer’

Nishant Agrawal
Elizabeth Blair
Lou Portugal
David Chan
Hassan Arshad
Zhen Gooi

Meet and Greet
Head and Neck Surgical Oncology Education

No fellows- all cases belong to you!
Head and Neck Surgical Oncology Education

Soft tissue

Head and neck dissection

Laser

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

Meet and Greet
Clinical Trials

![Diagram showing treatment options for HPV+ and HPV- cases]

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

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Meet and Greet
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

Meet and Greet
Thank you

zg@uchicago.edu
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
<table>
<thead>
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<th>Rank</th>
<th>University</th>
<th>Country</th>
<th>Nobel Prize Winners</th>
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<td>Harvard</td>
<td>USA</td>
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<td>2</td>
<td>Cambridge</td>
<td>UK</td>
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<td>3</td>
<td>California Berkeley</td>
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<td>University of Chicago</td>
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<td>MIT</td>
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<td>Stanford</td>
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<td>76</td>
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<td>9</td>
<td>Oxford</td>
<td>UK</td>
<td>72</td>
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<tr>
<td>10</td>
<td>Princeton</td>
<td>USA</td>
<td>69</td>
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<tr>
<td>11</td>
<td>Yale</td>
<td>USA</td>
<td>65</td>
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</tbody>
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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

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

- Harold Schukneckt: 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 Stankiewitz: 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.
• 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
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.
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
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
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 2nd 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 4th 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
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
Pediatric Otolaryngology

- 3 Pediatric Otolaryngologists:
  - Fuad Baroody 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
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
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
Facial Plastic Surgery

David Chan MD
Clinical Associate of Surgery
Director, Otolaryngology- Head and Neck Surgery at Ingalls
Meet the Residents

Otolaryngology – Head & Neck Surgery
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
Outside of the hospital!
Outside of the hospital!
Working hard or hardly working?!
With our attendings!
We love birthdays!
And selfies!
Holiday cheer!
Graduation & Welcome BBQs!
Questions???