University of Chicago
Otolaryngology-Head and Neck Surgery
August 8, 2020
• Rated by all major rankings as among the top universities in the world
  • #10 QS World Rankings
  • #9 Times Higher Education
  • #10 CWUR
  • #13 US News
• 90 Nobel Laureates and 49 Rhodes Scholars
• Named the “world’s most prestigious scholarship” by Time and the Associated Press
One of the Most Beautiful Campuses

Meet and Greet
Pritzker School of Medicine
Ranked #16 in Research by US News (highest in Illinois) Ranked #18 in Primary Care

UChicago Medicine
17th consecutive “A” for patient safety from Leapfrog (one of 32 health care organizations to have received 17 sequential A’s)
78 of the 356 (21%, more than any other institution) 2020 Chicago’s “Top Docs”

ENT
#35 US News

College
Ranked #6 by US News

Booth Business School:
Ranked #3 by US News

University of Chicago Law School:
Ranked #4 by US News
UChicago initiative to distribute food to South Side surpasses 150,000-meal mark

Mayor Lori Lightfoot working with members of the UChicago community to distribute meals on Chicago’s South Side.  
May 20, 2020
UChicago awards more than $680,000 in grants to small businesses on South Side
University of Chicago Campaign raises $5.43 billion to support Inquiry and Impact
OHNS Strategic Vision

▪ Provide unparalleled and compassionate patient care anchored in translational research and leading-edge technology.

▪ Bring scientific brilliance and clinical skills together to advance knowledge and improve outcomes.

▪ Inspire and educate the next generation with the goal of integrating scientific discovery and compassionate care.
Temporal Bone Lab
Cochlear Implant Program

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

- **Facial Plastic**
  - David Chan
  - Tony Geroulis
  - Anil Shah

- **General**
  - Jake Brunner

- **Head and Neck Surgical Oncology**
  - Nishant Agrawal
  - Elizabeth Blair
  - David Chan
  - Zhen Gooi
  - Lou Portugal

- **Laryngology**
  - Brandon Baird

- **OMFS**
  - Alan Harvey

- **Otology**
  - Michael Gluth
  - Ted Imbery

- **Pediatrics**
  - Fuad Baroody
  - Andrea Shogan
  - Dana Suskind

- **Rhinology/Allergy**
  - Nadia Caballero
  - Jay Pinto
  - Chris Roxbury
Faculty-NorthShore

• Facial Plastic
  – Jeremy Warner
• Head and Neck Surgical Oncology
  – Cheryl Nocon
• Otology
  – Ted Imbery
• Pediatrics
  – Judy Chen
  – Sue Kim
• Rhinology/Allergy
  – Joey Raviv
  – TBD
Impact

Meet and Greet
Impact

• Thirty Million Words

The TMW Center for Early Learning and Public Health announces partnership with Palm Beach County

Exciting Updates from the TMW Center

Dear Friends,

It was a busy summer at the TMW Center for Early Learning + Public Health. While others may have slowed down for vacations and the like, we were ramping up efforts, and are eager to share some exciting news.

Most notably, we’re beginning to work with our newly selected community partner to lay the foundation for our community-wide roll out. Taking our efforts to scale means there is a lot to do and much to learn in the coming months. With the North Star of optimizing foundational brain development using science that combines theory and data, this partnership will both inform and be informed by our work around the science of scaling. We’re thrilled to reveal the chosen community in this newsletter and look forward to sharing our progress in the coming months.

We’re also planning our first convening: Leveraging the Healthcare System to Impact Educational Disparities, the Inaugural Rohit and Harvanti Kumar Conference on the Economics of Early Childhood Education. By gathering thought-leaders from across disciplines, our aim is to elevate the role of the healthcare sector in intervening early and having a lasting impact on a child’s future health and well-being. For more details and to register, please click here. We hope to see you all at the University of Chicago for this event.

These accomplishments, along with many other ongoing projects at the TMW Center, would not have been possible without our amazing research team. In addition to our staff, this summer we saw an influx of 32 undergraduate and graduate students from across the country who brought a wonderful energy to our lab. They used their talents on 13 projects ranging from formatively testing our new TMW-Pediatrics curriculum, to advancing work on our upcoming community-wide demonstration project, and developing our tech platform. Their contributions were immense and we would be remiss not to thank them.

As always, thanks to you, too, for your continued interest and support of our work. Let’s change the world!

Warmest regards,

Dana and John
Co-directors, TMW Center for Early Learning + Public Health

Meet and Greet
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

SHARE Facebook 0 Twitter LinkedIn 0 Google+ 0
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.
19th Annual Fernandez Lindsay Lecture: Elisabeth Glowatski
5th Annual Changing Face of Oral Cancer
Section Library
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

- 1,286 licensed beds
- 46 operating rooms
- 45,299 admissions
- 27,889 inpatient and outpatient surgeries
- 149,355 ER visits
- 11,910 employees
Center for Care and Discovery

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
- Highland Park Hospital: 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/Oto/Rhinol/All/Laryngol Service
    ▪ PGY2/PGY3/PGY5
  ▪ Head and Neck/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/Trauma/Plastics Team
- 6 mths on Peds/Oto/Rhinol/All/Laryngol Team
- All at main campus
Resident Rotations PGY3

- 4 months at Northshore
- 3 months on Peds/Oto/Rhinol/All/Laryngol Team at UC
- 3 months on Head and Neck/Trauma/Plastics Team service 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/Oto/Rhinol/All/Laryngol Team at UChicago
- 2 months on Head and Neck/Trauma/Plastics Team at UChicago
- 1 month on Endocrine Service at UChicago
Resident Rotations PGY5

- 6 months on Peds/Oto/Rhinol/All/Laryngol Team
- 6 months on Head and Neck/Trauma/Plastics Team
- Divided in blocks of 3 months

- NS: At any time, will have one PGY3 and one PGY4 rotating
## Rotations

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<thead>
<tr>
<th></th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<th>May</th>
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<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>
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<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>
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<td>PGY3</td>
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<td>PORL</td>
<td>HN/TR/FP</td>
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<td>RES</td>
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<td>NSUHS</td>
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<tr>
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<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>
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<tr>
<td>PGY5</td>
<td>PORL</td>
<td>PORL</td>
<td>PORL</td>
<td>HN/TR/FP</td>
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<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 (U of Michigan): yearly for PGY1 and PGY2
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)

- 2015: 2500
- 2016: 1952
- 2017: 2473
- 2018: 2158
- 2019: 2536
- 2020: 2900

Graduating Year
Key Indicator Cases: 2019 Graduates

Minimum
## Destination of Graduating Residents (n=20)

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Res 1</th>
<th>Res 2</th>
</tr>
</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>
</tbody>
</table>

1/20: Otology  
3/20: Rhinology  
3/20: H&N  
6/20: Peds  
7/20: Practice
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 and Fellow
Institutional Wellbeing & Engagement Resources

- Online fatigue module
- HR Resources
- Resident Health Initiative: Access to Primary Care
- Fatigue Resources
  - Call Rooms
  - Taxi Vouchers
- Perspectives Employee Assistance Program
- Ombudspersons
- Resilience Initiatives
- GMEC Meetings with Resident Representation
- Lactation Facilities
- Resident Forum
- GME Team
- Duty Hours Supervision and Anonymous Hotline
- Sick Days/Vacation Days
- GME Annual Newsletter
- Hospital Employee Wellness Program and Newsletter
- 24 Hour Food Access
- GME Advisory Council for the Health System
- Resident Advisory Council for the Health System
- HR Resources
- Perspectives Employee Assistance Program
Engaging Trainees in Institutional Quality Work

Developed as a collaboration between the Operational Excellence team and GME, the program offers a certification in E3 Leadership. To receive certification, participants must complete four online modules in basic lean/six sigma principles, finish one in-person data lab, participate in an interprofessional Kaizen event, and pass a certification exam.

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.
BSD - Diversity & Inclusion

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

Tobias Spears
Director of Diversity Initiatives

Implicit Bias Training
LGBTQ Safe Space
Think shops
Seed Grants
Reel Talk

The House Staff Diversity Committee
Executive Board 2019

President: Ashley Suah, MD
General Surgery, PGY6

Vice-President: Alanna Burnett, MD
Med Peds, PGY3

Connect with us at: bsddiversity.uchicago.edu
Application Process

- Applications released to programs on October 21
- Invites will go out between November 9 and November 30
- Interviews: First and Second Week of January:
  - Thursday January 7
  - Friday January 15
- Virtual
- Happy hour with our residents tomorrow evening
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
Most Nobel Prize Winners by University (n)

1. Harvard, USA (157)
2. Cambridge, UK (116)
3. California Berkeley, USA (104)
4. University of Chicago, USA (98)
5. Columbia, USA (95)
6. MIT, USA (91)
7. Stanford, USA (81)
8. Cal Tech, USA (72)
10. Princeton, USA (63)
11. Yale, USA (60)
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
University of Chicago Otolaryngology

- Prof 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, 1700 specimens
  - Later, was one of the founding members of the Temporal Bone Banks Program via the DRF – Now the NIDCD Temporal Bone Registry
UChicago Otolaryngology

- 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

- Influential in laying groundwork for Schuknecht’s theory of canalith/BPPV

- Detailed work on suppurative labyrinthitis and proposed mechanisms for otogenic meningitis
UChicago Otolaryngology

- 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
UChicago Otolaryngology

14 of his trainees became O-HNS 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 Yarumchuk: Henry Ford
- George Connor: Penn State
- Lloyd Minor: Johns Hopkins

- Cesar Fernandez
- Rinaldo Canalis
- Leonard Proctor
- John Fredrickson
- Dennis Poe
UChicago Otolaryngology Research 2020

• Head and Neck Cancer: 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 allowing for earlier and potentially more curative interventions with limited morbidity and mortality.
UChicago Otolaryngology Research 2020

- Otology: 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 2020

- 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 may play a role in the development of Alzheimer's disease and related dementias (ADRD), via regular and systematic longitudinal evaluation of cognitive function and dementia in ~5000 participants, postmortem neuropathologic assessments, and a far-reaching evaluation of the olfactory system, which is uniquely susceptible to airborne insults, as a direct pathway for environmental toxicants to reach the brain.
UChicago Otolaryngology Research 2020

- Pediatrics: Any Time Is 3Ts Time, funded by the PNC Foundation, as part of the Thirty Million Words (TMW) Center for Early Learning + Public Health, 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.
UChicago Otolaryngology Research

• Additional multidisciplinary research in:
  – 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
UChicago Otolaryngology

- In 2020, our section has a total of $5,938,497 in active research award funding. Of this amount, $3,856,728 was awarded through the NIH.
- This is extraordinary considering our faculty size
- We’re looking for smart, passionate, creative people to carry the torch in our storied history of advancing knowledge in our field
- Unlimited opportunities for scholarship
Subsection Overview
UChicago Head and Neck Oncology
Head and Neck Surgical Oncology

Nishant Agrawal
Elizabeth Blair
David Chan
Zhen Gooi
Lou Portugal
# Clinical Trials

<table>
<thead>
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<th></th>
<th>Definitive</th>
<th>Recurrence</th>
<th>Adjuvant</th>
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<td>HPV+</td>
<td>OPTIMA II</td>
<td>ABRAXANE</td>
<td>PATHWay</td>
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<td></td>
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<td>Either</td>
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<td>Re-irradiation</td>
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Meet and Greet
56 year old smoker with T4a tongue cancer

Induction chemotherapy

Definitive chemoradiation

July 2017

January 2018
YES!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Results: Median Follow-Up 5.7 Years

**Overall Survival**

5-year OS: 63.2% (95% CI 54.3% – 70.9%)

**Progression-Free Survival**

5-year PFS: 58.7% (95% CI 49.9% – 66.6%)
Results

5-year LRC: 79.2% (95% CI 70.2% – 85.8%)

5-year DC: 87.3% (95% CI 79.8% – 92.2%)
<table>
<thead>
<tr>
<th>Study</th>
<th>Key Eligibility</th>
<th>Treatment</th>
<th>PFS, %</th>
<th>OS, %</th>
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<tbody>
<tr>
<td>NRG HN002 (NCT02254278), N = 295</td>
<td>T1-2N1-2bM0 or T3N0-2bM0; ≤ 10 pack-year</td>
<td>60-Gy RT + weekly cisplatin vs. 60-Gy RT</td>
<td>90.5 (2 years)</td>
<td>96.7 (2 years)</td>
</tr>
<tr>
<td>MC1273 (NCT01932697), N = 80</td>
<td>Cohort A: pathologic intermediate-risk features, margin negative; cohort B: pathologic high-risk features, margin negative</td>
<td>TOS → RT twice a day × 2 weeks + docetaxel (15 mg/m²); cohort A: 30 Gy; cohort B: 36 Gy</td>
<td>91.1 (2 years)</td>
<td>98.7 (2 years)</td>
</tr>
<tr>
<td>UNC-UF (NCT02281955), N = 114</td>
<td>T0-3N0-2cM0; ≤ 10 pack-year or ≤ 30 pack-year with ≥ 5 years abstinence</td>
<td>60-Gy RT + weekly cisplatin, 30 mg/m² (RT only for T0-T2, NO-N1)</td>
<td>86 (2 years)</td>
<td>95 (2 years)</td>
</tr>
<tr>
<td>E1308 (NCT01084083), N = 90 (80 evaluable patients)</td>
<td>T1-3N0-2bM0; ≤ 10 pack-year</td>
<td>Induction chemo → 54 Gy RT + cetuximab if CR</td>
<td>80 (2 years)</td>
<td>94 (2 years)</td>
</tr>
<tr>
<td>UCLA-UC Davis (NCT01716195), N = 45</td>
<td>Stage III-IV (AJCC 7th ed.); p16 positive; any smoking history</td>
<td>Induction chemo → 54-Gy RT for CR/PR</td>
<td>92 (2 years)</td>
<td>Not reported</td>
</tr>
<tr>
<td>OPTIMA (University of Chicago) (NCT02258659), N = 62</td>
<td>T3-T4 or N2-N3 (AJCC 7th ed.); HPV/p16 positive; any smoking history</td>
<td>Induction chemo → 50 Gy if ≥ 50% PR or CR</td>
<td>94.5 (2 years)</td>
<td>Not reported</td>
</tr>
</tbody>
</table>

Abbreviations: PFS, progression-free survival; OS, overall survival; RT, radiotherapy; TOS, transoral surgery; UNC, University of North Carolina; UF, University of Florida; chemo, chemotherapy; CR, complete response; UCLA, University of California, Los Angeles; UC Davis, University of California, Davis; AJCC, American Joint Committee on Cancer; PR, partial response.

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Thank you

na@uchicago.edu
Laryngology at U of C

Brandon Jackson Baird, MD
Assistant Professor
University of Chicago
Laryngology

- Brandon Jackson Baird, MD
- Elizabeth Blair, MD
- Zhen Gooi, MD
- Lou Portugal, MD
Clinic

- **Diagnostic**
  - Flexible Stroboscopy
  - Rigid Stroboscopy
  - Electromyography

- **Therapeutic**
  - Awake Injection Laryngoplasty
  - Awake KTP ablation of papilloma/dysplasia
  - EMG-guided botox injection
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 Intralunal Subglottic Injection
- Open Airway Resection/Reconstruction
- Modified T-tube stenting devices

Early Laryngeal Cancer
- KTP, CO2 lasers
- Open partial resection of laryngeal tumors

Dysphagia
- Esophageal Dilation
- CP Myotomy
- Endoscopic Zenkers Diverticulotomy/Diverticulectomy
Otology/Neurotology - Ear & Hearing Center

- 2 surgeons--Otology/Neurotology
  - Dr. Michael Gluth
  - Dr. Ted Imbery
- 8 audiologists, 1 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: 2019 ~ 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\textsuperscript{nd} oldest in USA, 1700 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 bed
  - 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
Rhinology/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
  • Christopher Roxbury, M.D., Assistant Professor
  • Nadieska Caballero, M.D., Clinical Associate
  • Louis Portugal, M.D., Professor
  • (Joey Raviv, M.D., Clinical Associate Professor, NorthShore affiliate)

• High volume of cases

• Full spectrum of disease, procedures

• Inclusion of Otolaryngic Allergy (led by Dr. Caballero)
  • Busy immunomodulatory and immunotherapy practice
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
  • (Joey Raviv, M.D., NorthShore affiliate)
  • (Ricky Wong, M.D., NorthShore affiliate, Neurosurgery)

• Malignant and Benign Lesions

• CSF leaks, Trauma
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
PGY-1s

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

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

Samuel Auger
Medical School: Rush University SOM
Hometown: Chicago, IL/Quito, Ecuador
PGY-2s

Zach Warren
Medical School: University of Texas – Medical Branch
Hometown: Austin, TX

Nirali Patel
Medical School: Rutgers New Jersey Medical School
Hometown: Rockaway, NJ
PGY-3s

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

Avery Nelson
Medical School: University of South Carolina SOM
Hometown: Cedarburg, WI
PGY-4s

Dara Adams
Medical School: University of Chicago Pritzker SOM
Hometown: Winnetka, IL

Adam Howard
Medical School: University of Southern California Keck SOM
Hometown: San Diego, CA
PGY-5s

Kenny Yan
Medical School: Case Western Reserve University SOM
Hometown: Potomac, MD

Paige Kennedy
Medical School: Baylor School of Medicine
Hometown: Lafayette, LA
Where We Live

Neighborhoods in Chicago:
- Hyde Park
- South Loop
- West Loop
- River North
- Streeterville
- Pilsen
Our favorite things to do!

Lakefront Trail

Art Institute of Chicago

The Second City

Cloud Gate/Millennium Park

Lincoln Park Zoo

Riverwalk & Architecture Tour