

# ANNUAL REPORT 2022

**State University of New York  
Downstate Health Sciences University**

Kings County Hospital Center

Maimonides Medical Center

Manhattan Eye, Ear & Throat Hospital / Lenox Hill Hospital

New York - Presbyterian Brooklyn Methodist Hospital

University Hospital at Downstate

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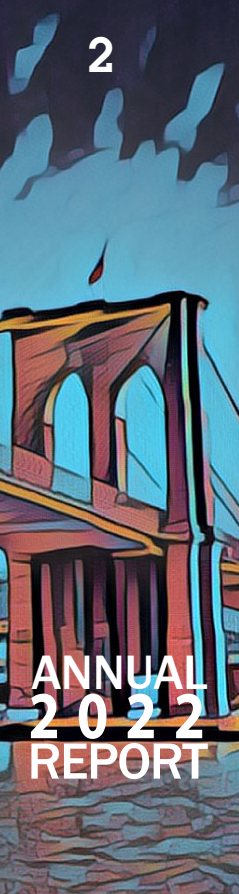
# OTOLARYNGOLOGY





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## VISION

Our vision is a community where individuals can access optimal care for disorders of the ears, nose, throat, head, and neck; a department that exceeds the expectations of faculty and staff; and a residency program that offers unsurpassed opportunities for training and employment.

## MISSION

We will bring our vision into reality through patient care, education, and research:

1. By continually enhancing the scope and quality of medical and surgical care to the people of Brooklyn and surrounding communities
2. By training and empowering residents to fully realize their potential and obtain whatever future training or employment venues they seek
3. By exposing medical students to the scope and spectrum of otolaryngology as a specialty and mentoring those with special interest to successfully match in a residency program
4. By conducting clinical, basic, and translational research to share knowledge, improve quality of care, and highlight the importance – and thrill – of critical (scholarly) thinking
5. By engaging in the world of otolaryngology beyond our geographic region through volunteerism in local, regional, national, and international medical organizations
6. By engaging in multi-disciplinary and multi-institutional teams to leverage our resources
7. By promoting and supporting the development of our staff and faculty with a goal of long-term retention, well-being, and job satisfaction

## VALUES

We always want the community to say the following about our work:

1. We value safe, ethical, and compassionate patient care
2. We view residency training as the focal point of our efforts as an academic department
3. We value health, wellness, continuous learning, and self-improvement
4. We value professionalism, responsiveness, and timely communication
5. We strive to identify, recognize, and reward our top performing faculty and staff
6. We value camaraderie and mutual support among all faculty, residents, and staff
7. We value and promote diversity and inclusivity in everything we do
8. We seek and value mutually beneficial and sustainable relationships with the College of Medicine, University Hospital of Brooklyn, SUNY Downstate HSU, and affiliate training sites
9. We value resiliency through diverse and dynamic relationships with organizations, voluntary faculty, private practitioners, and affiliate sites in Brooklyn and the NY metropolitan region
10. We value consistency in processes and practices to optimize performance and to reduce confusion



## STATE OF THE DEPARTMENT 2022

**Richard M. Rosenfeld, MD, MPH, MBA**  
**Distinguished Professor, Chairman, and Program Director**

The 2021-2022 academic year marked the 31st Anniversary for the Department of Otolaryngology at the State University of New York (SUNY) Downstate Health Science University. This also concludes my 30th year in the Department, serving the past 13 years as Chair and Program Director, roles that I relinquished as of July 2022. Sydney Butts will be interim chair until the search committee identifies a successor.

Formed initially from existing services at Long Island College Hospital (LICH) and University Hospital of Brooklyn (UHB), the current academic structure for resident and medical student education includes affiliations with Kings County Hospital Center (KCHC), Maimonides Medical Center, SUNY at Bay Ridge Ambulatory Surgery Center (SUNY Bay Ridge), New York Presbyterian – Brooklyn Methodist Hospital (NYP-BMH), Manhattan Eye, Ear, and Throat Hospital (MEETH), and Lenox Hill Hospital. Prior training sites included an ambulatory rotation with Northwell and a rotation at the Brooklyn Veterans Administration Medical Center (VAMC).

The department is thriving and in full swing, dusting off the restrictive vestiges of the receding Covid-19 pandemic. Our residency program remains fully accredited by the American College of Graduate Medical Education (ACGME), with no citations, and all graduates securing a top choice in employment or fellowship. Our chief residents readily exceeded all ACGME key-indicator minimum case numbers, and our rising chiefs are all well-positioned to have an exceptional surgical experience.

We maintain a diverse palate of basic, clinical, and translational research supported by national, state, and institutional grants. We continue to pursue our vision of “a community where individuals can access optimal care for disorders of the ears, nose, throat, head, and neck; a department that exceeds the expectations of faculty and staff; and a residency program that offers unsurpassed opportunities for training and employment.”

### Legacy

Every year I find one word that best reflects the state of our department and my choice for 2022 is “legacy,” defined by Tony Robbins as “...a lasting impact on the world...a gift that is passed down through generations.” When I took over the department reins from Frank Lucente in 2009, I was fortunate to inherit a well-running, jewel of an academic practice, a gift (a.k.a. legacy), passed to me after nearly 20 years of refinement. My hope was to polish it to an even greater luster, preserving and building upon the incredible legacy I inherited, to create a resilient oasis of otolaryngology excellence in the thriving borough of Brooklyn.

To say there have been a few ups and downs in the last 13 years would be a vast understatement, because some of the downs were more akin to seismic earthquakes. We have withstood the demise of LICH, loss of our primary faculty practice site on Atlantic Avenue, loss of the Brooklyn VAMC as an affiliate site, a non-renewed contract at NYP-BMH (later renewed with vigor), repeated turnover of our microvascular faculty (due to family and health reasons), the Covid-19 pandemic, and retirements of our 2 amazing administrators, Billy Tang and Carole Facciponti. Yet as we enter the 2022-2023 academic year the Department is stronger than ever, with top-notch resident physicians, a full complement of core faculty, robust training and affiliate sites, busy and beautiful faculty practice sites in Brooklyn Heights and Park Slope, financial security with hefty reserves, and incredible administrative oversight, with Erik Liu at Downstate and Svetlana Lyulko for the faculty practice.

In the business classic *The Halo Effect*, author Phil Rosenzweig concludes what really drives performance are strategy and execution. My strategy has always been a relentless focus on resident education, as our *raison d'être* and competitive advantage as the only training program in Brooklyn, and one of the premier programs in the country. This strategic focus has allowed us to recruit and retain top academic faculty, with a unified mission and rallying call, while benefiting from the outstanding oversight of our program coordinator, Nicole Fraser. My execution has emphasized servant leadership, putting the needs of faculty, residents, and staff first, doing my best to support them, then getting out of the way and letting them excel (while keeping a close eye on operations). We have remained cognizant of our key stakeholders – consumers, the College of Medicine, University Hospital of Brooklyn, the university practice plan, and our affiliate sites – ensuring win-win, relations with mutual respect and benefit.

The strategy and execution just noted have led to sustainable relationships and staff retention

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that yield a firm foundation and legacy for ongoing excellence. We can hopefully mimic the incredible companies highlighted by Jim Collins in his classic treatise, *Built to Last*, by staying true to our core vision, mission, and values, which were updated and reaffirmed this past year and can be found elsewhere in this report.

If our strategic focus and rallying cry is residency training, then it would make sense to view resident outcomes as a metric of success. In this regard the department has trained nearly 100 otolaryngology residents, who continue to represent us well in academia and clinical practice. I am especially touched by the heartfelt words of the Resident Class of 2022, reflected on a plaque to me expressing gratitude for "... your tireless work to improve the department, residency program and resident well-being," further noting "Your mentorship has shaped us into better clinicians, surgeons, and researchers." Words like these mean more than any other award or recognition in my career and reassure me of a having made a lasting impact and leaving a legacy to build upon for decades to come.

### Giving Back to Our Community

We relish the opportunities offered to us in Brooklyn and give back to our community by providing quality care that spans the panoply of ENT services and facilitates patient access through diverse practice sites, comprehensive insurance participation, and opportunities for uninsured, or underinsured, patients at UHB and KCHC. We further serve with daily teaching of residents and medical students, many of whom remain in the New York metropolitan region. Here are some brief updates on our primary clinical services:

*Facial plastic and reconstructive surgery (FPRS)* are under the leadership of Sydney Butts and alumnus Lee Kaplowitz, and Ofer Azoulay, with expertise in facial reanimation and microvascular flaps. Additional exposure comes from the MEETH rotation, which offers added experience with maxillofacial surgery. The division covers all aspects of FPRS, including trauma, cosmetic procedures, microvascular tissue transfer, and reconstruction of complex defects of the head and neck.

*Head, neck, and skull-base surgery* remain a focal point of our department under the leadership of Krishnamurthi Sundaram, Natalya Chernichenko, Ofer Azoulay, and Michael Weiss, with additional expertise provided by Gady Har-El, Jessica Lim, and Victor Lagmay, and voluntary faculty at our multiple affiliate sites. The Lenox Hill rotation continues to enhance our resident exposure to this subspecialty, with further opportunities afforded by Brett Miles as the new Chair at Lenox Hill Hospital.

*Otology and neurotology* remain vibrant through the leadership of Matthew Hanson and Michal Preis, with contributions from other physicians, including Neil Sperling and Sujana Chandrashekar at MEETH. We offer comprehensive otologic services, ranging from ambulatory surgery to complex procedures with our neurosurgical colleagues. Our state-of-the art, 8-station temporal bone laboratory, including a dual-head microvascular station, has been warmly received by our residents and faculty.

*Pediatric Otolaryngology* remains strong with leadership by Nira Goldstein, Ann Plum, and Richard Rosenfeld, and contributions by Sydney Butts, who has expertise in cleft and craniofacial disorders. We offer a full spectrum of clinical services, including advanced airway reconstruction, voice restoration, endoscopic surgery, and rehabilitative services through our cleft team for children with cleft lip, cleft palate, microtia, velopharyngeal insufficiency, micrognathia, and craniofacial syndromes. We have robust referrals for neonatal feeding problems (tongue tie, upper lip tie) and in-office ear tubes.

*Laryngology and neurotology* are covered under the leadership of Boris Bentsianov and Sara Abu-Ghanem, with contributions from our pediatric otolaryngologists, head and neck surgeons, and voluntary faculty. We provide a full range of operative and office interventions (laryngoscopy, stroboscopy, and esophagoscopy) for diagnosing, managing, and rehabilitating voice, airway, and swallowing problems in children, adults, vocal professionals, stroke patients, and head and neck cancer patients. Specialty laryngology services have been growing steadily, with new multidisciplinary teams at Maimonides and KCHC.

*Rhinology and skull-base surgery* are robust under the leadership of Marina Boruk, Victor Lagmay, Gady Har-El and others, especially at MEETH and Lenox Hill Hospital. Services include advanced office management of rhinosinusitis and sinonasal disorders plus a full spectrum of surgical procedures, including complicated sinus surgery, image-guided procedures, neurosurgical access, and open and minimally invasive surgery for skull base lesions and tumors.

*General otolaryngology and allergy* are well-covered under the leadership of Marina Boruk, Ofer Azoulay, Sara Abu-Ghanem, Victor Lagmay, and faculty at our diverse training sites. Our department is the first in Brooklyn to offer an implantable hypoglossal nerve stimulator for managing refractory sleep apnea in adults. Residents continue to have full exposure to sleep medicine and surgery, working primarily with Nira Goldstein, Marina Boruk, Boris Bentsianov, and Ofer Azoulay. Our clinical and didactic programs include dedicated sessions on patient satisfaction, business of medicine, personal finance, insurance planning, managing accounts receivables, and how to best optimize time and prioritize tasks.

*Communicative disorders* and audiology thrive under the leadership of John Weigand and Sal Saleh, whose relationships with training programs supply a steady stream of audiology trainees and interns. Patients with cochlear implants continue to be well served by our collaboration with the Auditory Oral School of New York, which provides state-of-the-art mapping and support services, including participation in our monthly cochlear implant team meeting. We continue to oversee newborn hearing programs at NYP-BMH, UHB, and KCHC, and to offer vestibular and auditory brainstem response testing at several office sites. A recent expansion of our clinical footprint in the Brooklyn Height's faculty practice site will further enhance audiology capacity.

### Research, Education, and Teaching

Our strength as a training program stems in large part for the diversity of affiliate sites, adroitly managed by our residency site directors, Matthew Hanson at KCHC, Jessica Lim at Lenox/MEETH, Natalya Chernichenko at NYP-BMH, and Michael Weiss at Maimonides. In my own roles as department chair, program director, and site director at UHB, my success flows from Sydney Butts as Vice Chair and Nira Goldstein as Associate Program Director, with special thanks and appreciation to Erik Liu, our new administrator, whose experience, insight, and dedication are second to none.

Boris Bentsianov organized the 13th Annual Frank E. Lucente Alumni and Resident Research Day program, which was a hybrid (primarily in-person) meeting at Downstate. Our keynote speaker was Michael Setzen from Weill Cornell Medical College and Northwell, who discussed the balloon dilation for sinusitis and eustachian tube dysfunction and provided insights on the challenges of nasal septoplasty. Our alumni speaker was Ramon Franco, Jr., who spoke on his 13-year experience with serial intralesional steroid injections for treating subglottic stenosis. The highlight, of course, was our resident presentations, for which abstracts appear later in this report. Our alumni panel – featuring Ramon Franco, Jason Wasserman, Elizabeth Floyd, and Lee Kaplowitz – addressed the perennial issue of when to consider fellowship training.

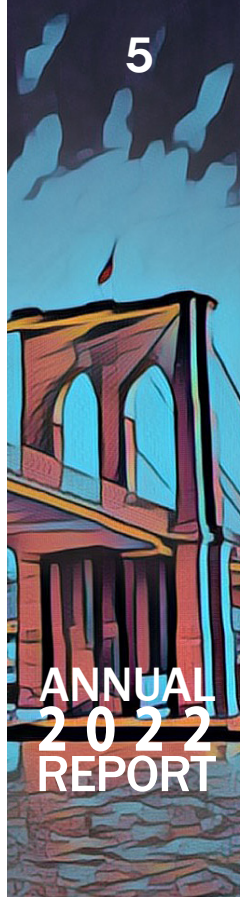
Natalya Chernichenko, along with her planning committee of Sydney Butts and Nicole Fraser, organized the 10th Annual Multidisciplinary Head & Neck Symposium, which focused on multidisciplinary management of skin cancer. Keynote speaker Thomas Ow enlightened the audience on recent breakthroughs driving new approaches to managing cutaneous squamous cell carcinoma in an aging population. As always, the Department is indebted to Rivi and Gady Har-El for their kind, and continuing, financial support of this key educational event.

Nira Goldstein continues as Director of Clinical Research and remains an incredible resource for navigating the intricacies of funding, REDcap surveys, IRB approval, and statistical analysis. Nira is assisted by Richard Kollmar, who serves as Director of Basic and Translational Research, and Richard Rosenfeld, who mentors residents in biostatistics, study design, and systematic review. In addition to many observational studies and systematic reviews, translational work is active on understanding the role of laryngospasm in epilepsy sudden death and pulmonary edema, with the goal of enhancing our current NIH funding with an R01 grant.

An exciting research development this year concerns a new device for dynamic treatment of facial nerve paralysis, resulting in an AAO-HNS CORE grant application by Jennifer Liang, with co-investigators Richard Kollmar, Mark Stewart, and Ofer Azoulay. This novel work, seeking to overcome limitations of traditional nerve grafting techniques, records facial nerve activity from the intact side to drive patterned stimulation of the repaired side. This builds upon a foundation established by Stephanie Tominaga and will be extended to an NIH/NINDS RO3 (small research grant) application.

Nicole Fraser, our Educational and Program Coordinator, remains an invaluable resource for students and residents, working with Richard Rosenfeld, Program Director, and Nira Goldstein, Associate Program Director, to maintain a fully ACGME-accredited, citation-free, residency training program. Sydney Butts continues to oversee our Grand Rounds program, including our pre-rounds session focused on resident issues and education, Natalya Chernichenko has done an admirable job of enhancing our training in cultural competency and health disparities, and Ann Plum continues to oversee our mentoring and simulation programs.

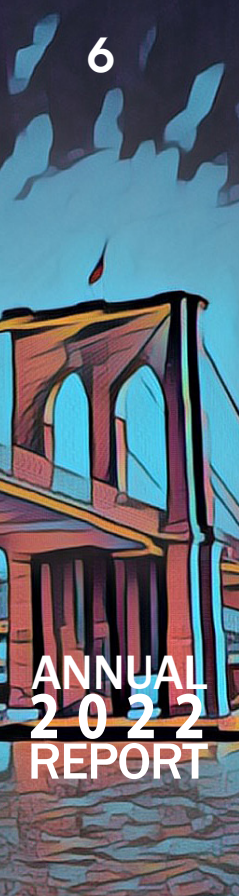
Our residency training program remains fully accredited and continues to attract the best and brightest candidates with 100% successful attainment of top employment opportunities or fellowship training by all graduates. We view our residency program as the centerpiece of our department, always striving to improve our responsiveness to the needs of residents and faculty.



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## Recognizing Our Faculty and Staff

Since our last report there have been many notable accomplishments, which are fully described in the pages that follow. Some events worth special emphasis, however, are listed below

### Notable Faculty Accomplishments

- Sara Abu-Ghanem received the GME Otolaryngology Teacher of the Year award
- Boris Bentsianov was the course director for the Annual Frank E. Lucente Alumni and Resident Research Day
- Boris Bentsianov was inducted into the prestigious Triological Society
- Sydney Butts was named Interim Chair of Otolaryngology
- Natalya Chernichenko will succeed Nira Goldstein as Associate Program Director for the Otolaryngology Residency Training Program
- Natalya Chernichenko organized the 10th Annual Multidisciplinary Head and Neck Symposium, on managing skin cancer, at SUNY Downstate
- Nira Goldstein will succeed Richard Rosenfeld as Program Director for the Otolaryngology Residency Training Program
- Nira Goldstein was recognized as a 2021 Laryngoscope Star Reviewer
- Matthew Hanson was the full-time Faculty Honoree at the Resident Graduation
- Lee Kaplowitz was the part-time Faculty Honoree at the Resident Graduation
- Richard Rosenfeld became Chief Medical Officer for the American Board of Lifestyle Medicine and Sr. Liaison for Medical Society Relations for the American College of Lifestyle Medicine.
- Richard Rosenfeld co-chaired the 2nd Annual Conference on Plant-based Health and Nutrition at SUNY Downstate, with Elizabeth Helzner as chair

### Notable Faculty Accomplishments

- James Alrassi presented research on the “tonsil riots” at the NY Academy of Medicine’s 13th Annual History of Medicine and Public Health meeting
- Trevor Greene was one of two Staff Honorees at the Resident Graduation event
- Rahul Gulati matched in the Head and Neck Oncologic Surgery and Reconstructive Surgery Fellowship and University of Iowa
- Ankit Kansal will join ENT and Allergy Associates in their Astoria Office
- Ryan Kong accomplished the impressive feat of having 5 abstracts, with various Downstate faculty, accepted for poster presentations at the AAO-HNS Annual Meeting
- Jennifer Liang was accepted into the AAO-HNS Resident Reviewer Development Program, continuing a tradition started by Prayag Patel and Michael Weber
- Erik Liu succeeded Billy Tang as Otolaryngology Administrator
- Erik Liu became a Fellow of the American College of Healthcare Executives (FACHE)
- Matthew Mendelsohn received the SUNY Downstate Award for Outstanding Medical Student Performance in Otolaryngology
- Takisha Morancy became President of the Downstate ENT Interest Group, assisted by Ryan Kong as Vice President
- Christopher McDermott was one of two Staff Honorees at the Resident Graduation event
- Sean Mooney, working with Alexander Graf, secured a CIR PCTF Equipment and Educational Materials grant for nearly \$20,000 from KCHC
- Sam Schild and Michael Weber represented Downstate at the Annual NYC Metropolitan Research Day
- Ryan Tabtabai received the GME Otolaryngology Resident Advocate of the Year award
- Ryan Tabtabai was selected as the inaugural fellow for the new Pediatric Otolaryngology Fellowship at the University of Connecticut
- Michael Weber secured a top-choice fellowship in otology at Pittsburgh Ear Associates, following in the footsteps of prior resident Daniel Ballard
- Michael Weber completed the AAO-HNS Resident Reviewer Development Program

### A Strong Legacy and a Bright Future

We are delighted to welcome our three new PGY-1 residents – all from SUNY Downstate – James Cochran, Matthew Mendelsohn, and Michele Wong. Having worked closely at Downstate with these outstanding individuals, we could not be more collectively pleased with this trio of superstars who began their PGY-1 residency training year in July 2022.

We are proud of our three departing chief residents and wish them health, happiness, and success. Ankit Kansal will join ENT and Allergy Associates as a general otolaryngologist in their Astoria Queens office, Sam Schild will enter a pediatric otolaryngology fellowship at Children's National Medical Center in Washington, DC, and Ryan Tabtabai will enter a pediatric otolaryngology fellowship at the University of Connecticut. Kudos to all our talented chiefs for securing a top fellowship or employment choice!

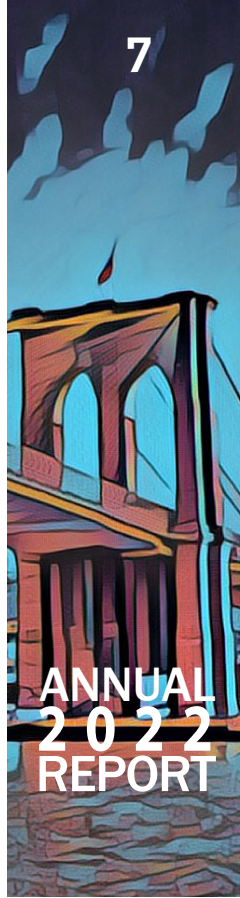
With regards to our graduating chiefs from last year, Rachel Irizarry will join Mt. Sinai West in NYC after completing her fellowship in head & neck and microvascular surgery at Emory, Prayag Patel will join the staff at Maimonides Medical Center as a full-time rhinologist, who will work closely with our residents, and Alisa Timashpolsky will enter her second (and final) year of pediatric otolaryngology fellowship at Children's Hospital of Philadelphia.

In conclusion, I could not be happier with the accomplishments of the past decades, the legacy that exists, and the bright future that awaits. I again express my deep appreciation, admiration, and gratitude for all the staff, students, residents, and faculty who have made this phase of my career so memorable and gratifying.

Respectfully submitted,



Richard M. Rosenfeld, MD, MPH, MBA  
June 2022



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## MESSAGE FROM THE INTERIM CHAIR

### Sydney Butts, MD

It is an honor to serve as the interim chair in the Department of Otolaryngology, a role I began on July 1, 2022. Having joined the department in 2009, I have had the opportunity to see its growth. In this message, I would like to share several strengths that reflect our mission, our values, and our dedication to the patients we serve and the residents we train.

Our department is guided by our interactions with our patient community in the unique and vibrant borough of Brooklyn, NY in which over 3 million people reside. We are responsive to and impacted by factors that affect the community at large. Like all physicians, our eyes were further opened to healthcare barriers when the COVID 19 pandemic hit. Many faculty, myself included, thought about public health in a new way and were motivated to deepen that understanding. SUNY Downstate is a health sciences university including a college of medicine, school of public health and other allied health schools. Our department has cultivated a relationship with the school of public health through several research collaborations that positions our department to study population health in our specialty, as well as the social determinants that impact head and neck disorders. Our health sciences university also provides resources that support continued professional development. As health care systems have become more complex, many surgeon leaders have opted to pursue further study, be it in public health, business/economics or healthcare management. The State University of New York offers resources for faculty and residents to access courses both at Downstate and throughout the SUNY system which provides a learning environment responsive to the growing complexity of the healthcare system in which we function.

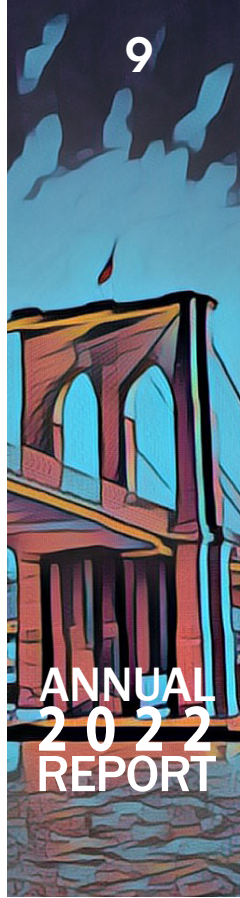
Social determinants of health and disparities in healthcare outcomes are concepts that are very important in the field of otolaryngology/head and neck surgery. Our chief of head and neck surgery—Dr. Natalya Chernichenko, has led departmental efforts to study and explore disparities in otolaryngic care and how that knowledge can enhance care delivery in our department. She has worked to develop outreach efforts with the Arthur Ashe Institute for Urban Health, based at SUNY Downstate. Founded by the late tennis player and opening its doors in 1992, this institute is a lasting legacy of his dedication to service, facilitating partnerships with Downstate clinical departments and other community organizations that aim to reduce disparities in healthcare.

Many residents in the department serve on committees of the American Academy of Otolaryngology-Head and Neck Surgery which allows for networking and a broadening of their residency experience. Faculty currently have or recently had leadership roles in the AAO-HNS, AAFPRS, ASPO and the Triologic Society. A prime example of this is in the area of clinical practice guidelines publications by the AAO-HNS that have disseminated quality improvement and best practices within our field. These efforts have been lead by Dr. Richard Rosenfeld, our former chair and distinguished professor who served for many years as the director of clinical guidelines for the AAO-HNS. The scholarship and leadership that Downstate faculty and residents bring to their participation in professional society committees had important contributions to national efforts during the early stages of the COVID pandemic. Dr. Marina Boruk, chief of rhinology and skull base surgery, served on the telemedicine committee that developed guidelines for the implementation of telehealth in the early stages of the pandemic. One of our former residents, Dr. Sam Schild, was a member of the airway committee that published guidelines on indications for tracheotomy during COVID. As a medical center in one of the hardest hit areas of New York City during the first wave of COVID, members of our department contributed on the home front and used that knowledge to help in the development of best practices for our specialty. This is a value at the core of what we do every day. I felt an immense sense of pride to see the people that I work with doing such valuable work during such a difficult time.

Our training program provides exposure to a wide variety of patients resulting in an expansive and well-rounded clinical experience. Our providers encounter a broad spectrum of disease presentations that challenge our residents to learn and understand disease processes at a high level and in a wholistic fashion. It is through our network of affiliated hospitals that we are able to provide cutting edge otolaryngic care and offer outstanding training to our residents. Numerous clinical initiatives are led by faculty members including but not limited to multidisciplinary head and neck cancer care, comprehensive management of voice and swallowing disorders, head and neck reconstruction for trauma, cancer and congenital craniofacial anomalies and communications disorders in children and adults.

Research in our department is deeply integrated into resident education. Quarterly research reviews of projects in the department and monthly journal clubs encourage rigorous assessments of the medical literature and the results of our own research efforts. Our residents strive in research because it is modeled for them by the accomplishments of our own faculty members. Many of the faculty have been elected members of the Triologic Society (Drs. Goldstein, Weiss, Bentsianov, Har-EL, Rosenfeld, Sundaram, Lucente) having completed the rigorous process of preparing a triologic thesis. This is a prestigious milestone in our field. Members of our department do not have to look far to find mentorship in this area—our founding chair, Dr. Frank E. Lucente- was the president of the Triologic Society and continues to encourage faculty in their research pursuits.

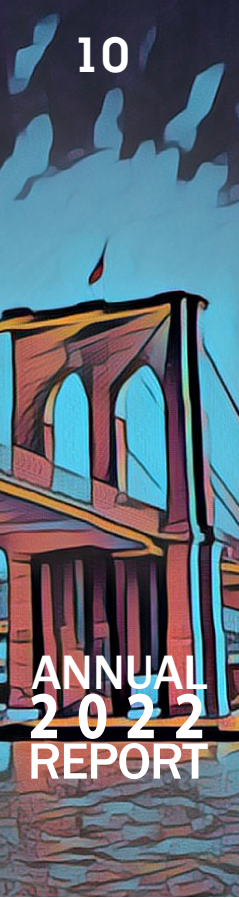
In learning more about our department, I hope you will see how we strive to provide cutting edge care to members of our community. We aim to do that in a way that prioritizes the highest levels of professionalism, empathy and humanism and embraces the exciting challenges in otolaryngology. Several patient testimonials featured on our website display how this mission in patient care is realized. I invite you to learn more about our research, clinical and outreach work highlighted on our website.



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## TABLE OF ATTENDING STAFF FOR EDUCATIONAL PROGRAMS

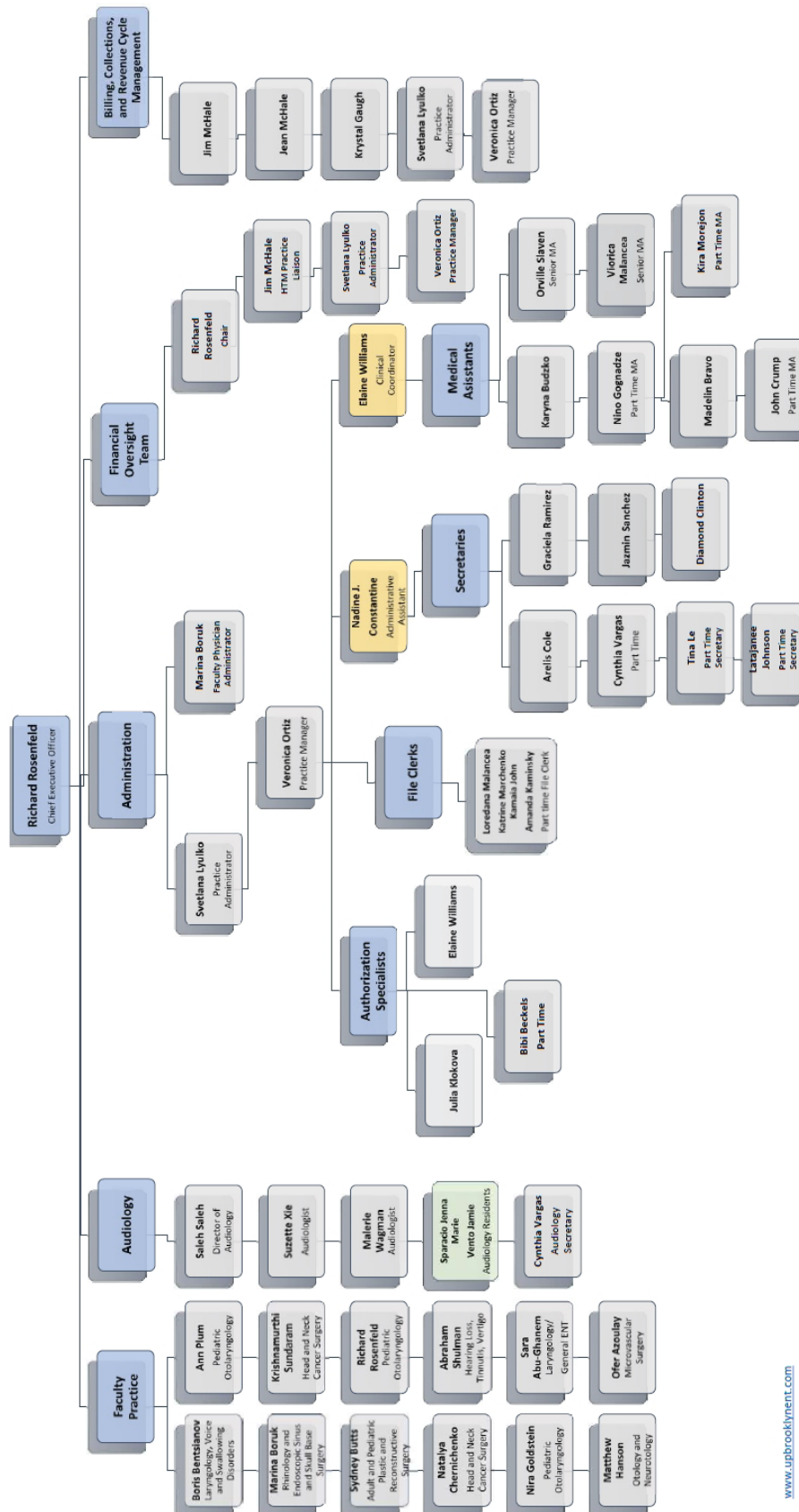
## Organizational Chart

## Department of Otolaryngology 2021 - 2022 Academic Year

Richard Rosenfeld, MD, MPH, MBA Program Chair & Distinguished Professor			
<b>CLINICAL SERVICES &amp; DIVISION CHIEFS</b>	<b>COMMUNICATIVE DISORDERS</b>	<b>OTOLARYNGOLOGY RESIDENTS</b>	<b>RESIDENCY TRAINING PROGRAM</b>
<b>OTOLOGY &amp; NEUROLOGY</b> Matthew Hanson, Chief Michal Preis	<b>UPB FACULTY PRACTICE</b> <b>BROOKLYN HEIGHTS and PARK SLOPE</b> Sal Saleh, Director Suzette Xie Malorie Wagman	<b>PGY-5 CHIEF RESIDENTS</b> Ankit Kansal Sam Schild Ryan Tabatabai	<b>PROGRAM LEADERSHIP</b> Nira Goldstein, Director Natalya Chernichenko, Associate Director Nicole Fraser, Coordinator
<b>PEDIATRIC OTOLARYNGOLOGY</b> Ann Plum, Chief Richard Rosenfeld	<b>UHB and UPB FACULTY</b> <b>PRACTICE EAST FLATBUSH &amp; UHB NEWBORN SCREENING</b> John Weigand, Director Anastasiya Goldin Hayley Morgan	<b>PGY-4 RESIDENTS</b> Rahul Gulati Michael Weber	<b>TRAINING SITE DIRECTORS</b> UHB, Sydney Butts KCHC, Matthew Hanson Maimonides, Michael Weiss Methodist, Natalya Chernichenko Lenox/MEETH, Jessica Lim
<b>MICROVASCULAR SURGERY</b> Natalya Chernichenko, Chief Krishnamurthi Sundaram Ofer Azoulay Michael Weiss Jack Russo	<b>NYP-BROOKLYN METHODIST NEWBORN SCREENING</b> Sal Saleh	<b>PGY-3 RESIDENTS</b> Jennifer Liang Fasil Mathews Stephanie Tominaga	<b>RESEARCH &amp; QUALITY</b> Clinical & IRB, Nira Goldstein Translational & Grants, Richard Kollmar Systematic Reviews, Richard Rosenfeld Quality and Measures, Sydney Butts Quality/M&M Rounds, Marina Boruk
<b>FACIAL PLASTIC and RECONSTRUCTIVE SURGERY</b> Sydney Butts, Chief Lee Kaplowitz	<b>COCHLEAR IMPLANT TEAM</b> <b>AUDITORY ORAL SCHOOL NY</b> Esther Hurley Elain Devora	<b>PGY-2 RESIDENTS</b> James Alrassi Alexander Graf Sean Mooney	<b>PROGRAMS &amp; CONFERENCES</b> AO Maxillofacial Course, Sydney Butts Audiology & Vestibular, John Weigand Cleft and Craniofacial, Sydney Butts Cochlear Implant Team, Matthew Hanson Diversity & Disparities, Natalya Chernichenko Facial Reanimation, Ofer Azoulay FEL Research & Alumni Day, Boris Bentsianov Fine Needle Aspiration, Gerald Minokowitz Grand Rounds, Sydney Butts Head & Neck Symposium, Natalya Chernichenko Journal Club, Richard Rosenfeld Mentoring & Simulation, Ann Plum Microvascular & Robotic Lab, Ofer Azoulay Mission Trips, Sydney Butts & Nira Goldstein Temporal Bone Laboratory, Matthew Hanson
<b>LARYNGOLOGY and VOICE</b> Boris Bentsianov, Chief Sara Abu-Ghanem			
<b>RHINOLOGY &amp; ALLERGY</b> Marina Boruk, Chief Victor Lagmay			
<b>GENERAL OTOLARYNGOLOGY</b> Sara Abu-Ghanem Ofer Azoulay Victor Lagmay			

## Department of Otolaryngology

## ORGANIZATIONAL CHART, UPB-ENT FACULTY PRACTICE


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## FACULTY

The faculty of the Department of Otolaryngology is comprised of a variety of individuals whose clinical and research interests encompass the ever-increasing scope of this specialty. For the 2021 to 2022 academic year, the department had thirteen full-time academic faculty, three full-time affiliate faculty, four part-time faculty, thirty voluntary faculty and contributing physicians, six audiologists, and one PhD.

### Full-Time Academic Faculty



#### Sydney Butts, MD

Associate Professor and Interim Chair, Dr. Sydney Butts serves as the chief of the Division of Facial Plastic and Reconstructive Surgery at University Hospital of Brooklyn/SUNY Downstate and Kings County Hospital Center. After graduating from the Yale University School of Medicine, Dr. Butts completed a residency in otolaryngology at the Albert Einstein College of Medicine/Montefiore Medical Center. Dr. Butts then completed fellowship training in facial plastic and reconstructive surgery at SUNY Upstate Medical University in Syracuse. She then joined the faculty of the department of otolaryngology at SUNY Upstate. Dr. Butts has clinical expertise in congenital craniofacial surgery including cleft lip and palate surgery. Her clinical focus includes the management of congenital craniofacial anomalies, adult and pediatric maxillofacial trauma, local/regional flap surgery in patients with skin cancers of the face, rhinoplasty and managing other soft tissue lesions that require a reconstructive approach. Dr. Butts currently serves as the faculty coordinator for the Grand Rounds Program, supervising scheduling of faculty speakers and educational content.



#### Richard M. Rosenfeld, MD, MPH, MBA, DipABLM

Distinguished Professor, Immediate Past Chairman, and Chairman of the Board for the Auditory Oral School of New York. Dr. Rosenfeld graduated the Otolaryngology Residency Program at Mount Sinai Medical Center and completed a two-year fellowship in Pediatric Otolaryngology at Children's Hospital of Pittsburgh with a MPH degree. He has received the AAO-HNS Distinguished Service Award five times, the SENTAC Robert Ruben Award for Excellence in Pediatric Otolaryngology, the Guideline International Network Janoua Mlika-Cabanne Innovation Award, and the IAPO Award for Worldwide Contributions to Pediatric Otolaryngology. Dr. Rosenfeld is the Senior Advisor for Guidelines and Measures at AAO-HNS and previous served for 8 years as editor in chief of *Otolaryngology – Head & Neck Surgery* Journal. He is the author, coauthor, or editor of 5 books and over 350 scientific publications and textbook chapters, including chapters in "Bailey" and "Cummings" on understanding data and medical literature. Dr. Rosenfeld has given over 1,000 scientific presentations and is an international authority on guideline development, evidence-based medicine, and otitis media. He has served as president of ASPO, president of the International Society for Otitis Media, chair of the Guideline International Network North America, and editor in chief of *Otolaryngology – Head and Neck Surgery*. Dr. Rosenfeld has been listed in Castle Connolly's "Best Doctors in America" since 1999 and completed a Health Services Administration MBA in 2018. He runs marathons, does regular strength training, enjoys a healthy plant-based diet, and is founder and chair of the Downstate Committee on Plant-based Health and Nutrition. Dr. Rosenfeld is board-certified in Lifestyle Medicine, Sr. Liaison for Medical Society Relations at the American College of Lifestyle Medicine (ACLM), and faculty advisor for the Downstate ACLM Lifestyle Medicine Interest Group, and Chief Medical Officer for the American Board of Lifestyle Medicine.



#### Frank Lucente, MD

Professor and former chairman. He is a graduate of Yale University School of Medicine and residency at Washington University. In 1990 he became Chairman at SUNY –Downstate and LICH. He was President of the Triological Society. He has been Vice President and Coordinator for Instruction Courses for the AAOHNSF. He has served as president of the Triological Society and the SUO-HNS. He has been Guest of Honor for the American Broncho-Esophagological Association, American Laryngological Association and the American Society of Geriatric Otolaryngology. He has been on the Executive Editorial Board of *The Laryngoscope*. He is the author, coauthor or editor of 17 books and over 200 scientific publications and chapters. Dr. Lucente served on the ACGME RRC Otolaryngology and has been Chair of the AMA's

CME Advisory Committee. Dr. Lucente served as Vice Dean for Graduate Medical Education and Director of the Medical Student Career Advisement Office at SUNY. He has also received the SUNY Chancellor's Award for Distinction in Teaching and in 2001, was honored with the Teacher of the Decade Award from the Department of Otolaryngology. In 2008 he received the Graymoor Award from the Franciscan Friars of the Atonement for his service to that organization. On May 25, 2017, Dr. Lucente, one of the Tribute Honorees, was presented SUNY's Gold Medal for Excellence in Medical Leadership by President Wayne Riley at the event honoring graduating residents and fellows at the Brooklyn Marriott



#### **Sara Abu-Ghanem, MD**

Assistant Professor of Otolaryngology, Sara Abu-Ghanem MD MMedSc is an otolaryngologist (ENT) with expertise in voice, airway, and swallowing disorders. She obtained Bachelor of Science, Master of Medicine in Microbiology and Immunology, and Doctor of Medicine degrees from Ben-Gurion University of the Negev, Israel. She received her residency training in Otolaryngology- Head and Neck Surgery at Tel Aviv Sourasky Medical Center affiliated with Tel Aviv University Sackler Medical School, Israel. She completed two years of clinical fellowship in Laryngology and Bronchoesophagology at Stanford University School of Medicine (California, USA) and New York University School of Medicine (New York, USA). As a laryngologist, her clinical interests include the care

of professional voice users; phonosurgery; vocal fold paralysis; laryngeal movement disorders (Neurolaryngology); laser surgery for laryngeal cancer; recurrent respiratory papillomatosis; airway and swallowing disorders; rehabilitation after total laryngectomy; and the treatment of chronic cough.



#### **Ofer Azoulay, MD**

Assistant Professor of Otolaryngology, Dr. Ofer Azoulay is an Otolaryngologist with surgical expertise in Head and Neck Cancer, robotic surgeries and head and neck microvascular reconstruction. He is Assistant Professor and Chief of Robotic and Microvascular Head and Neck reconstruction for SUNY Downstate Health Sciences University and affiliated with Kings County Hospital, Maimonides Medical Center and NYPMH Brooklyn. Dr. Azoulay earned his medical degree and completed his residency training in Otolaryngology at the Hebrew University of Jerusalem and Kaplan Medical Center, Israel. He then pursued advanced training and completed fellowship in Head and Neck and Microvascular Head and Neck reconstruction and served as Attending in Service at

NYU Langone Health, NY. Dr. Azoulay's main clinical and research interests are; head and neck cancer and reconstruction; thyroid and parathyroid; salivary glands; skin cancer; facial nerve paralysis; facial reanimation and laryngeal diseases.



#### **Boris Bentsianov, MD**

Assistant Professor of Otolaryngology, Boris Bentsianov completed his medical school training at Downstate Medical Center. He continued his clinical training at Downstate Medical Center/Long Island College Hospital as an intern in General Surgery followed by a residency and chief residency in Otolaryngology- Head and Neck Surgery. He then went on to do a fellowship in Laryngology and Neurolaryngology at Columbia University/St Lukes-Roosevelt Hospital-New York Center for Voice and Swallowing Disorders. After becoming a diplomate of the American Board of Otolaryngology- Head and Neck Surgery, he rejoined the faculty of SUNY Downstate in June 2003 as assistant professor in the Department of Otolaryngology and Director of the Division of Laryngology, Voice and Swallowing Disorders. Dr. Bentsianov's clinical interests are centered

on the evaluation and treatment of disorders of the larynx by various endoscopic, stroboscopic and electromyographic techniques, as well as laryngeal framework surgery. Dr. Bentsianov has grown up as a member of the Brooklyn community for the last 45 years and has been dedicated to delivering the highest quality laryngologic clinical and surgical expertise to his home community for the last 2 decades. His research interests include neurologic disorders of the larynx, diagnosis and treatment of dysphagia.

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**Marina Boruk, MD**



Assistant Professor of Otolaryngology, Marina Boruk joined the Department at the State University of New York – Downstate Medical Center in July of 2010. Dr. Boruk is a graduate of the College of Medicine at State University of New York Downstate Medical Center, Brooklyn, where she also completed her residency in Otolaryngology – Head and Neck Surgery. She continued her training with an American Rhinologic Society accredited fellowship in Rhinology and Skull Base Surgery at Vanderbilt University in Nashville, Tennessee, under the direction of Dr. James Duncavage. Dr. Boruk's clinical interests are in the medical and surgical management of the nose and paranasal sinuses. Her expertise includes both minimally invasive and traditional surgery of the nasal cavity and sinuses, endoscopic repair of CSF leak and base of skull defects as well as skull-based tumors. Dr. Boruk also has additional training in the field of allergy and in 2016 became a Fellow of the American Academy of Otolaryngic Allergy (AAOA).




**Natalya Chernichenko, MD**



Dr. Chernichenko is an Associate Professor of Otolaryngology, Associate Residency Program Director, and Chief of Head and Neck Surgery. Her clinical expertise lies in diagnosing and managing benign and malignant head and neck tumors, including salivary gland, thyroid, parathyroid, oral cavity, pharynx, larynx, sinuses, skull base, and skin. Her goal is to provide patients with advanced surgical care for head and neck cancer, emphasizing quality-of-life issues. Dr. Chernichenko earned her undergraduate degree at New York University and her medical degree from SUNY Downstate Medical Center. Following a residency in Otolaryngology-Head and Neck Surgery at Yale-New Haven Hospital, Dr. Chernichenko pursued additional Head and Neck Surgical Oncology Fellowship training at Memorial Sloan-Kettering Cancer Center. She is a recipient of the Young Investigator Award from the American Head and Neck Society..




**Nira A. Goldstein, MD, MPH**



Professor and Program Director, Nira Goldstein joined the Department of Otolaryngology in 1998 as a full-time pediatric otolaryngologist in the division. She is a graduate of the New York University School of Medicine and the Otolaryngology Residency Program at the New York University Medical Center. Dr. Goldstein completed her fellowship in Pediatric Otolaryngology at the Children's Hospital of Pittsburgh where she also served as the Hamburg Research Fellow. She was an instructor at the University of Pittsburgh School of Medicine as well as staff physician at the Children's Hospital of Pittsburgh. She received her Master of Public Health degree at SUNY Downstate in May 2010. She serves as Vice Chair of Clinical Research in the department and Clinical Advisory Dean in the Medical School. Dr. Goldstein has authored over 50 articles and 25 chapters on various topics in otolaryngology and has presented at numerous national and international conferences. Her clinical and research interests include pediatric obstructive sleep apnea, otitis media, and sinusitis.



### Matthew Hanson, MD



Assistant Professor of Otolaryngology, Matthew Hanson is Chief of OtoAssistant Professor of Otolaryngology, Matthew Hanson is Chief of Otolaryngology and Neurotology, and Director of the Otolaryngology Service at KCHC. He has been involved in hearing disorders his whole life. Both of his paternal grandparents were congenitally deaf and he has over thirty deaf relatives. His father, equally fluent in American Sign and English, served as Director of Deaf Services for Vocational Rehabilitation for the State of Iowa for more than 35 years. Dr. Hanson attended medical school at the University of Iowa where he had the opportunity to do research in the early field of cochlear implantation. He went onto residency in Otolaryngology Head and Neck Surgery at Columbia University. After completion of his residency, he was on staff at Manhattan Eye, Ear and Throat Hospital for two years before completing a fellowship in Otolaryngology/Neurotology at The E&A Foundation/Otolaryngology



Group in Nashville, Tennessee. Before coming to Downstate in 2005, he had been Director of Otolaryngology and Neurotology at Temple University School of Medicine in Philadelphia. In 2009, he was granted subspecialty certification in Neurotology by the American Board of Otolaryngology and is the only full-time practitioner so certified in Brooklyn. He successfully underwent re-certification in 2017. In 2017, he was also appointed to the editorial board of Otolaryngology, the prestigious international journal in this subspecialty and was their top reviewer for 2016-17.



#### **Richard Kollmar, PhD**

Assistant Professor of Otolaryngology and Associate Professor of Cell Biology, Richard Kollmar earned his Diploma in Chemistry at the Julius-Maximilians-Universität Würzburg, the Ludwig-Maximilians-Universität München, and the Max-Planck-Institute for Biochemistry in Martinsried. He earned his Ph.D. in Cell and Molecular Biology at the University of Wisconsin-Madison. His postdoctoral training in sensory neuroscience was with Dr. A. J. Hudspeth at the University of Texas Southwestern Medical Center at Dallas and at Rockefeller University in New York. After a stint as Assistant Professor of Molecular and Integrative Physiology at the University of Illinois at Urbana-Champaign, he returned to New York and

joined SUNY Downstate Medical Center, where he is Director of Basic Research in Otolaryngology. His first research focus is to understand the mechanisms that underlie the development and maintenance of otoliths and otoconia, from the molecular to the organismal level. His group has identified several novel otolith proteins that are implicated in extracellular-matrix formation. He is now investigating the function of these proteins both in vivo, using the zebrafish as an animal model, and in vitro. His second research focus is to develop interventions against Sudden Unexpected Death in Epilepsy (SUDEP). This is a translational research project in collaboration with Dr. Sundaram, Dr. Stewart (PI; Physiology & Pharmacology and Neurology), and Dr. Silverman (LIJMC) that has compiled strong evidence for obstructive apnea due to laryngospasm as the proximal cause of death. Dr. Kollmar also teaches the ear lectures for CHRP students and for second-year medical students during their neuroanatomy block and provides research opportunities in his laboratory for high-school students to residents.



#### **Ann W. Plum, MD**

Assistant Professor of Otolaryngology, Ann Plum joined the Department of Otolaryngology at The State University of New York Downstate Medical Center as full-time faculty and Chief of Pediatric Otolaryngology in 2018. She received her Doctorate of Medicine from the University of Miami Leonard M. Miller School of Medicine in 2011. She completed her residency in Otolaryngology at the State University of New York Upstate Medical University in 2016. Her Pediatric Otolaryngology fellowship was done at the University of North Carolina at Chapel Hill. She currently is one of three fellowship trained Pediatric Otolaryngologists here at SUNY Downstate Medical Center, and serves as the Chief of the Division of Pediatric Otolaryngology at SUNY Downstate University

Hospital and the Director of Service for Pediatric Otolaryngology at Kings County Health Center, as a faculty mentor for our otolaryngology residents at New York Presbyterian Brooklyn Methodist for pediatric otolaryngology, as well as a consultant for pediatric aerodigestive disorders at Maimonides. She also is in charge of a weekly Pediatric Otolaryngology Resident Clinic at SUNY Downstate. In collaboration with Pediatric Gastroenterology and Pediatric Pulmonary Services, she has created and runs a multidisciplinary aerodigestive clinic at SUNY Downstate Medical Center for children with airway and swallowing disorders, which is in its fourth year, and continuing to expand. She is also actively involved in resident and medical student education. Her clinical and research interests include airway and swallowing disorders in children, pediatric voice disorders, pediatric obstructive sleep apnea, pediatric chronic rhinosinusitis and nasal disorders, congenital malformations of the head and neck, pediatric neck masses, pediatric hearing loss and otitis media, and the use of simulation in medical education.

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#### **Krishnamurthi Sundaram, MD**

Clinical Professor of Otolaryngology, Krishnamurthi Sundaram is a graduate of the Otolaryngology Residency Program of State University of New York-Health Science Center at Brooklyn and is Clinical Professor of Otolaryngology. After completion of medical school he did a two year fellowship in surgical oncology at the Cancer Institute, Chennai, India. Prior to starting his Otolaryngology residency he completed a straight surgical internship at Church Hospital Corp.[Affiliate of Johns Hopkins University] in Baltimore, MD, and 3 years of residency in General Surgery at The Methodist Hospital of Brooklyn. After residency he was a junior attending/fellow/residency coordinator in the department of Otolaryngology at SUNY Downstate Medical Center. Subsequently he served as Chief, Division of Otolaryngology at the Methodist Hospital and Chief of Otolaryngology at the Brooklyn Hospital Center. After 1992, he has been actively involved with the residency program at SUNY Downstate Medical Center. His areas of interest include head and neck oncology, thyroid, parathyroid, sinuses, skull base and larynx. From 2007 to 2013, he served as Chief of Head and Neck and Skull Base surgery in the department at Long Island College Hospital in Brooklyn. Dr. Sundaram was Vice-Chairman of the Department of Otolaryngology at UHB-LICH and SUNY Downstate Medical Center from Jan. 2007 to June 2015. Dr. Sundaram now serves as Division Chief of Otolaryngology, NY Presbyterian Brooklyn Methodist Hospital.

### **Full-Time Affiliate Faculty**



#### **Lee Kaplowitz, MD**

Dr. Lee Kaplowitz is an Otolaryngologist, Facial Plastic & Reconstructive surgeon at Maimonides Medical Center. He received his medical degree from University at Buffalo in 2013. He went on to complete his residency in Otolaryngology Head & Neck Surgery at Downstate Medical Center earning the award for Outstanding Performance as a Resident. Following residency, he went on to complete a fellowship in Facial Plastic & Reconstructive Surgery at Mount Sinai Medical Center. He has presented at national meetings and has published his original research. He is board certified by the American Board of Otolaryngology Head and Neck Surgery.



#### **Victor Lagmay, MD**

Dr. Lagmay is the division director for Head & Neck Surgery at the Maimonides Cancer Center in Brooklyn. He is a full-time member of the surgical faculty in the division of Otolaryngology at Maimonides Medical Center. He completed his residency training at the New York University School of Medicine followed by a fellowship in Head & Neck Surgery at the Beth Israel Medical Center Institute for Head and Neck Cancer in New York. Dr. Lagmay is board-certified in his specialty and is a Fellow of the American College of Surgeons. He maintains memberships in several professional societies, including The American Thyroid Association; The American Academy of Otolaryngology - Head and Neck Surgery; and The New York Head and Neck Society.



#### **Michal Preis, MD**

Dr. Preis, Assistant Professor of Otolaryngology, graduated from the Ben Gurion University of the Negev in Israel, trained in otolaryngology at the Rabin Medical Center, and completed a fellowship in neurotology at the University of Washington in Seattle. Her clinical interests include vertigo, hearing loss, chronic ear disease, cholesteatoma and pediatric ENT disease. Dr. Preis received the Research Award from Rabin Medical Center, Best Teacher Award from the University of Tel Aviv, Residents recognition from SUNY class of 2015. Her clinical practice is based at Maimonides Medical Center where she trains SUNY Downstate Otolaryngology interns and residents in otologic surgery including mastoidectomy, tympanoplasty, ossicular chain reconstruction, endoscopic ear surgery, Eustachian tube balloon dilation and hearing restoration procedures.





### **Michael Weiss, MD**

Dr. Michael Weiss serves as the Chief of Otolaryngology at Maimonides Medical Center as well as at the Brooklyn V.A. Medical Center. He is a graduate of the Albert Einstein College of Medicine and did post-graduate training at Tulane University and New York University. He was born in Brooklyn and has been a proud member of the SUNY-Downstate faculty since 1994. He practices as a general otolaryngologist with a strong clinical interest in endocrine surgery. Published articles include a wide variety of subjects in Otolaryngology, ranging from Otology to Head and Neck, Bioethics and Medical Informatics

## **Part-Time Faculty**



### **Gady Har-El, MD**

Gady Har-El, MD is a Professor of Otolaryngology and Clinical Neurosurgery at SUNY-Downstate. He is the past Chairman of Otolaryngology and current Chief of Head and Neck Surgery and Oncology at Lenox Hill Hospital-Northwell Health System. His clinical interests include head and neck cancer, thyroid and parathyroid surgery, minimally invasive skull base surgery and sinus surgery. Dr. Har-El has authored and co-authored more than 260 scientific publications and book chapters and gave 400 presentations, lectures, and courses. Dr. Har-El served as the President of the American Broncho-Esophagological Association, the New York Head and Neck Society, the New York Laryngological Society, and the American Laryngological Association. Dr.

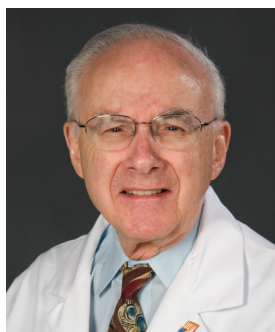
Har-El also served as the Vice President of the Triological Society and he is currently a Governor of the American College of Surgeons. Also, he is a sixth time recipient of the Stanley M. Blaugrund Award for Excellent Teaching from the New York University. He has been listed in the "Best Doctors in America" and "Best Doctors in New York" for 26 consecutive years. He has been also listed in the "America's Top Doctors for Cancer" directory for the last 10 years. Dr. Har-El published a two-volume set "Head and Neck Surgery" which he co-edited.



### **Jessica W. Lim, MD**

Dr. Lim, Assistant Professor of Otolaryngology, treats patients of all ages and has a particular interest in endocrine surgery (thyroid, parathyroid), sinus disease, sleep disorders, voice and swallowing disorders and head and neck tumor surgery. She is proud to be recognized by her peers for her excellence in otolaryngology, as listed by Castle Connolly, Best Doctors and Super Doctors. She performed her preliminary general surgery training and completed otolaryngology residency at New York University Medical Center in 1997, followed by a head and neck/sinus surgery fellowship at Rush Presbyterian St.-Luke's Medical Center in Chicago. In 1998, Dr. Lim joined the academic faculty in the Department of Otolaryngology at SUNY-Downstate Medical Center in Brooklyn. In the past, she has been Director of Otolaryngology Residency

Training at SUNY-Downstate and has served as Director of Otolaryngology at Kings County Hospital Center and at Kingsbrook Jewish Medical Center.



### **Abraham Shulman, MD**

Dr. Shulman, Prof. Emeritus Clinical Otolaryngology, at SUNY Downstate, is a graduate of the Kings County Hospital Center, Division of Otolaryngology's residency training program. Following graduation, he completed a fellowship with Julius Lempert at the Lempert Foundation and served as Lieutenant Commander in the USNR as Chief of Otolaryngology at the Portsmouth Naval Hospital, Portsmouth, New Hampshire. His efforts as Acting Director (1975-1980; 1990-1991) and Director (1980-1985) of the Division of Otolaryngology and the Center for Communicative Sciences at the Health Science Center at Brooklyn contributed to the establishment of the SUNY/ Downstate Department of Otolaryngology in 1990. Dr. Shulman has been the author and one of the

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editors of the 1st edition of the text entitled Tinnitus diagnosis and treatment in 1991, which identified a new discipline, Tinnitology. The second edition of the tinnitus text, Tinnitus diagnosis and treatment, started preparation in 2015. In 1995, he became a co-chief editor of the International Tinnitus Journal, the first publication dedicated to the symptom of tinnitus. He has contributed textbook chapters and published over 250 scientific articles on the basic science and clinical protocols for tinnitus diagnosis and treatment, and is a reviewer for several scientific journals. His research interests include sensorineural hearing loss, electrical and ultrahigh frequency acoustical stimulation of the cochleo vestibular system, vestibular evoked response, mechanisms of tinnitus production, translation of functional brain imaging with nuclear medicine and EEG based electroencephalography –QEEG/LORETA, for attempting to understand brain function in the presence of the tinnitus signal, development of tinnitus targeted drugs for tinnitus relief for clinical types and subtypes of tinnitus, and fluid dynamics of the ear and brain. Dr. Shulman's clinical interests are hearing loss, tinnitus, vertigo, and the fluid dynamics between ear and brain



**Richard W. Westreich, MD**

Dr. Westreich received his medical degree with honors in cell biology research from New York University School of Medicine. He went on to complete both a residency in otolaryngology and a fellowship in facial plastic surgery at Mount Sinai Hospital. Dr. Westreich has published numerous clinical papers on sinonasal disorders, functional nasal surgery, rhinoplasty techniques, and methods for correcting the deviated nose. Dr. Westreich is faculty for a Manhattan based facial plastics fellowship. Downstate residents are able to spend time in the operating room or office whenever their schedule permits. He has written papers with the residents and engaged in research project with them and assisted in fellowship applications.

## VOLUNTEER FACULTY AND OTHER CONTRIBUTING PHYSICIANS

The Volunteer Clinical Staff consists of numerous otolaryngologists and other physicians in the New York Metropolitan area who participate in the educational programs of the department and have a major role in both resident and medical student teaching and in numerous clinical and administrative activities. Among the activities in which they are involved are the following: teaching in the operating rooms and clinics staffed by the University Hospital of Brooklyn, Kings County Hospital Center, the Brooklyn Veterans Administration Medical Center, New York Methodist Hospital, and Maimonides Hospital; active participation in Grand Rounds and other weekly educational conferences at the University Hospital of Brooklyn; attendance at the quarterly meetings of the Otolaryngology Section of the Kings County Medical Society; training residents in their office practices; cooperation in scientific studies and publications; support of departmental research and education projects by contributing to the periodic social and fund-raising activities of the foundation; and participation in various important committee and medical board activities at the hospitals involved in our program. The rapid growth and development of the department continues to offer more opportunities for involvement in these activities.

It is with tremendous gratitude that the department acknowledges the contributions of the following members of the voluntary clinical staff and consultants who have contributed their time, talents, and resources in support of our program.

## Voluntary Faculty and Other Contributing Physicians



**Rashid Chaudhry, MD**

Dr. Chaudhry received his M.D. from University of Punjab, Nishtar Medical College Multan, Pakistan in 1969. He graduated in 1978 from the Otolaryngology-Head and Neck Surgery Residency Program at State University of New York Health Science Center of Brooklyn. Following graduation, he joined the faculty as instructor and then was promoted to Clinical Assistant Professor. Since 1980, he has been Chief and then Director of Otolaryngology at Brookdale University Hospital Medical Center, Brooklyn, New York. His clinical interests include Head and Neck Cancer, minimally invasive sinus surgery, Rhinometry and sleep disorders. He has been recognized by the colleagues "Best Doctors in New York" for the past 14 consecutive years (2000-2013) and has been listed "Best doctors" on multiple occasions in US News and World

Report, New Yorker and Better Living Magazine. He is the author and co-author of various number of journal articles. He has made many presentations at the national and international scientific conferences.

#### **Christopher de Souza, MD**

Dr. de Souza has been Visiting Assistant Professor in the department since 1997. He is a consultant otolaryngologist and skull base surgeon at Tata Memorial Hospital in Bombay (Mumbai) India. Dr. de Souza was awarded the gold medal for standing first in the diploma and master of surgery exams in India. He has been a very productive contributor to the otolaryngology literature with over 30 papers in various aspects of otology and skull base surgery. He has published his, "Atlas of Otitis Media Clinicopathologic Correlations and Operative Techniques" with Michael Paparella, MD and Neil Sperling as co-authors. His previous books included texts in otolaryngology, pediatric otorhinolaryngology, head and neck surgery and an atlas of otitis media. He has done fellowships with Michael Glasscock and C Gary Jackson in 1994 in lateral skull base surgery. Dr. de Souza also completed a fellowship in endoscopic sinus surgery at the University of Pennsylvania with David Kennedy and Donald Lanza. He is the editor in chief of the 2 volume book, Head and Neck Surgery that was published by Jaypee Medical Publishers, India. He has also edited "Rhinologic and facial plastic surgery" published by Springer Verlag Germany. He is the Editor in Chief of the Journal "International Journal of Head and Neck Surgery".

#### **Brett Miles, DDS, MD**

Brett Miles, DDS, MD, is vice president of otolaryngology for Northwell facilities in New York City boroughs and Westchester County. He is also the chair of otolaryngology and head and neck surgery at Lenox Hill Hospital and Manhattan Ear, Eye Throat Hospital, and the surgical lead of the head and neck disease management team in the Northwell Health Cancer Institute.

Dr. Miles manages head and neck tumors, including those of the mouth and throat, with state-of-the-art surgical techniques including microvascular reconstruction. His clinical interests include computerized reconstruction, minimally invasive robotic surgery and HPV-related head and neck cancer.

"Head and neck cancer can be challenging to treat, but highly meaningful," Dr. Miles says. "The relationships I form with my patients are a source of personal motivation. Seeing them move forward with their lives after treatment is inspiring."

Dr. Miles earned a medical degree from University of Texas Southwestern Medical School and a doctorate of dental surgery from Creighton University. He completed residencies in Oral and Maxillofacial surgery and Otolaryngology-Head and Neck surgery at the University of Texas Southwestern Medical Center. He received fellowship training in head and neck oncology at the University of Toronto and is board-certified by both the American Board of Oral and Maxillofacial Surgery and the American Board of Otolaryngology - Head Neck Surgery

Dr. Miles works collaboratively with a team of experts to offer the highest quality cancer care and access to clinical trials. They include imaging specialists, radiation oncologists, medical oncologists, nurse practitioners, and speech and swallowing therapists.

Dr. Miles is a Professor at the Donald and Barbara Zucker School of Medicine at Hofstra/Northwell. He has published 170 articles in peer-reviewed journals and often lectures at national and international conferences. He is on the council of the International Association of Oral Oncology, and the American Head and Neck Society's Reconstructive Head and Neck Research Board. He has been a New York Magazine and a New York Metro Area Top Doctor for the last several years.

Overall, compassion and empathy are integral to his job. "Undergoing cancer surgery is a very stressful time for patients and families," Dr. Miles says. "My focus is on cancer and the people affected by cancer."

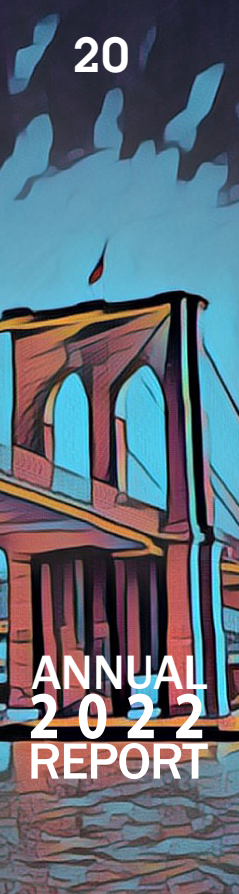
#### **Jack Russo, MD**

Dr. Russo completed residency in otolaryngology head and neck surgery at Dartmouth-Hitchcock Medical center. He completed a fellowship in head & neck surgical oncology, microvascular reconstructive and robotic surgery at Mount Sinai in Manhattan. He is currently in private practice in Brooklyn and performs surgery at New York Presbyterian Brooklyn Methodist Hospital and at the New York Eye and Ear Infirmary of Mount Sinai. Dr. Russo's clinical practice focuses on surgical management of head and neck cancer, thyroid disease, and benign and malignant salivary conditions.

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### **Bhuvanesh Singh, MD**

Dr. Singh is a graduate of the Medical School and Otolaryngology Residency Program at SUNY Health Science Center at Brooklyn. He is currently a professor and attending surgeon at Memorial Sloan-Kettering Cancer Center in Manhattan. Dr. Singh is the director of the Laboratory of Epithelial Cancer Biology and the Speech and Hearing Center. Dr. Singh, he is a board certified otolaryngologist specializing in Head and Neck Surgery. He received his PhD in medial molecular biology from the Netherlands Cancer Institute and is actively involved in basic science research. He has published over 190 articles in high impact journals including, the Journal of Biological Chemistry, Cell, EMBO, Proceedings of the National Academy of Sciences, and Cancer Research. He is also coeditor of two textbooks. Dr. Singh has received numerous grants and awards for his research work. He is also actively involved in clinical care.

## **Additional Voluntary Faculty Who Contribute To The Department**

**Daniel Arick, MD**  
**Jeffrey H Aroesty, MD**  
**Howard Brownstein, MD**  
**Tahl Colen, MD**  
**Maurice Cohen, MD**  
**John Dodaro, MD**  
**Mark Erlich, MD**

**Stephen Finger, MD**  
**Douglas Finn, MD**  
**Sheldon Palgon, MD**  
**Alden Pearl, MD**  
**Manoj Kantu, MD**  
**Sanjay Kantu, MD**  
**Kanhaiyalal Kantu, MD**

**Steven Kushnick, MD**  
**Anthony J. Sarro, MD**  
**Prashant B. Shah, MD**  
**K. Tarashansky, MD**  
**Jeffrey M. Taffett, MD**  
**Stanley Wien, MD**  
**Melvin Wiederkehr, MD**

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## PROFESSIONAL SOCIETY MEMBERSHIP

### **Sara Abu-Ghanem, MD**

Postgraduate American Laryngological Association (ALA) Committee

### **Ofer Azoulay, MD**

NY Head and Neck Society (NYHS)

American Head and Neck Society (AHNS)

American Academy of Otolaryngology Head and Neck Surgery (AAO-HNS)

Sigma Xi- The International Scientific Research Honor Society

Israel Medical Association

Israel Otolaryngology Head and Neck Society

Israel Society of Head and Neck Surgery and Oncology

### **Boris Bentsianov, MD**

New York State Medical Society

Kings County Medical Society

American Medical Association, 1994-

Downstate Alumni Association, 1997-

Associate Member, American College of Physicians, 1999

American Academy of Otolaryngology, 1999

New York Laryngological society 2012 –

Triological Society, Fellow, 2022 –

### **Marina Boruk, MD**

American Academy of Otolaryngology – Head and Neck Surgery (AAO-HNS), 2002-present

American Academy of Otolaryngic Allergy (AAOA), 2007- present

American Rhinologic Society (ARS), 2012 – present

### **Sydney Butts, MD**

American Academy of Otolaryngology-Head and Neck Surgery, 2001

American Academy of Facial Plastic and Reconstructive Surgery, 2001

- Specialty Surgery Committee (Chair of the Cleft and Craniofacial Subcommittee)
- Women in Facial Plastic Surgery Committee
- Quality Improvement Committee
- Representative of the American Academy of Facial Plastic and Reconstructive Surgery to the AAO-HNS Trauma Committee
- Mentor 4 Success member
- Eastern Region Credentials Committee
- Patient Safety, Quality Improvement and Accreditation Committee(2016-present) AO/Association for the Study of Internal Fixation, 2008 –present
- Craniomaxillofacial Faculty
- Fellow, American College of Surgeons, October 2012
- New York Facial Plastic Surgery Society, 2012 -present
- Society of University Otolaryngologists, 2014-present
- Diversity Task Force Committee

### **Natalya Chernichenko, MD**

American College of Surgeons

American Head and Neck Society

New York Head and Neck Society

American Society of Clinical Oncology

American Association for Cancer Research

American Board of Otolaryngology

American Academy of Otolaryngology – Head and Neck Surgery

### **Christopher de Souza, DORL, MS, DNB, FACS, FRCS**

American Academy of Otolaryngology-Head and Neck Surgery

Fellow American Neurotological Society

Member of Association of Otolaryngologists of India,

Member of the society of Teachers in ENT

American College of Surgeons (FACS), Fellow

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**Nira Goldstein, MD, MPH**

American Academy of Otolaryngology - Head and Neck Surgery  
 American Medical Association  
 American Academy of Pediatrics  
 Brooklyn Pediatric Society  
 American Society of Pediatric Otolaryngology  
 Triological Society, Fellow

**Matthew Hanson, MD**

American Academy of Otolaryngology – Head and Neck Surgery  
 • Member, 1991  
 • Elected Fellow, 1997  
 AAO-HNS Implanted Hearing Devices Committee, term ended 2016  
 AAO-HNS Equilibrium Committee  
 AAO-HNS Hearing Committee  
 AAO-HNS Otology and Neurotology Education Committee  
 Previously served on AAO-HNS Vestibular, Hearing Aids and Development Committees  
 Fellow, American Neurotologic Society, 2002-Present  
 Fellow, North American Skull-base Society, 2004-Present  
 Member, New York Otologic Society, 2007-Present  
 Member, Medical Society of the State of New York  
 Member, New York Society of Otolaryngology  
 Member, William House Cochlear Implant Study Group  
 Member, Facial Nerve Disorders Study Group

**Gady Har-El, MD**

American Academy of Otolaryngology - Head and Neck Surgery, 1998, Fellow 1992  
 American Academy of Facial Plastic and Reconstructive Surgery, 1989-  
 American Medical Association, 1991-  
 Kings County Medical Society, Otolaryngology Section, 1991-  
 New York Head and Neck Society, 1992-  
 American College of Surgeons (Associate Fellow), 1992-; Fellow, 1994-  
 The Society of Head and Neck Surgeons, 1993-  
 North American Skull Base Society, 1994-  
 Society of University Otolaryngologists, 1994-  
 Medical Society of the State of New York, 1994-  
 New York Laryngological Society, 1995-  
 American Rhinologic Society, Member, 1993-; Fellow, 1995  
 American Laryngological Association, 1997-  
 The American Broncho-Esophagological Association, Member, 1998-  
 American Society for Head and Neck Surgery, 1996-  
 American Laryngological, Rhinological and Otological Society (The Triological Society), Fellow, 1997-  
 President, The American Laryngological Association  
 Vice-President, The Triological Society

**Lee Kaplowitz, MD**

AAOHNS

**Victor Lagmay, MD**

American Academy of Otolaryngology - Head and Neck Surgery  
 New York Head and Neck Society  
 American College of Surgeons – Fellow

**Jessica W. Lim, MD**

American Academy of Otolaryngology – Head and Surgery  
 New York Head and Neck Society  
 American College of Surgeons - Fellow

**Frank E. Lucente, MD**

Life Member, American Academy of Otolaryngology – Head and Neck Surgery  
 Senior Fellow, American Laryngological, Rhinological and Otological Society (Triological)  
 Life Member, American Laryngological Association  
 Life Member, New York Academy of Medicine  
 American Society of Geriatric Otolaryngology, 2007-  
 Society of University Otolaryngologists

**Ann Plum, MD**

American Academy of Otolaryngology Head and Neck Surgery  
 American Society of Pediatric Otolaryngology

**Michal Preis, MD**

American Academy of Otolaryngology-Head and Neck Surgery

**Richard M. Rosenfeld, MD, MPH, MBA**

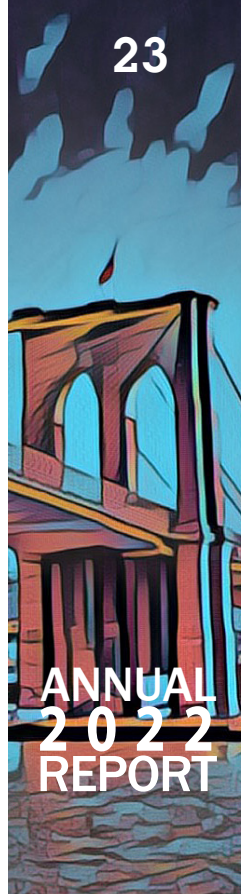
American Medical Association (AMA), 1985-  
 American Academy of Otolaryngology-Head & Neck Surgery (AAO-HNS), 1987-  
 American Academy of Pediatrics (AAP), 1992-  
 American College of Lifestyle Medicine (ACLM), 2019-  
 American Society of Pediatric Otolaryngology (ASPO), Fellow, 1995-  
 American Bronchoesophagological Association (ABEA), 1999-  
 AAO-HNS Sr. Advisor on Guidelines and Measures, 2011-  
 AAO-HNS Sr. Advisor for Performance Measures, 2016-  
 Editor, Cochrane Collaboration ENT Section, 2008-2022  
 Society of University Otolaryngologists, 1994-  
 Triological Society, 2003-  
 American Otological Society, 2004-  
 Guideline International Network (G-I-N), 2009-  
 Interamerican Association of Pediatric Otorhinolaryngology, 2012-  
 International Society for Otitis Media, 2013-  
 SUNY Distinguished Academy, 2016-

**Abraham Shulman, MD**

American Medical Association  
 American Academy of Otolaryngology-Head and Neck Surgery  
 Medical Society of the State of New York  
 Centurion Club, American Academy of Otolaryngology Head and Neck Surgery  
 American Medical Association  
 American Nuclear Society  
 American Audiology Society

**Krishnamurthi Sundaram, MD**

Kings County Medical Society  
 New York State Medical Society  
 New York Head and Neck Society  
 Fellow, American Rhinologic Society  
 Fellow, The American Academy of Otolaryngology-Head and Neck Surgery  
 Associate Member, American Society of Laser Medicine and Surgery  
 Fellow, American College of Surgeons  
 Member, American Head and Neck Society  
 Fellow, The Triologic Society  
 Member, American Association of Clinical Endocrinologists  
 American Medical Association  
 Member, North American Skull Base society  
 Member, American Thyroid Association  
 Member, Society of Robotic Surgeons  
 Member, American Society of Clinical Oncology  
 Member, NY State Society of Otolaryngologists.



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**John Weigand, PhD**

ASHA (American Speech Language Hearing Association)

AAA (American Academy of Audiology)

NYSSLHA (NYS Speech Language and Hearing Association)

**Michael Weiss, MD**

AAO-HNS

American College of Surgeons

American Head and Neck Society

Triological Society (Fellow)

New York Head and Neck

New York Laryngologic (Past President)

Maimonides Medical Center - Faculty Practice Advisory Committee

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## VISITING LECTURER

**Sara Abu-Ghanem, MD**

**Ofer Azoulay, MD**

1. The role of neck dissection in melanoma in the era of immunotherapy. The 10th Annual Multidisciplinary Head and Neck Symposium: Multidisciplinary Management of Skin Cancer. SUNY Downstate Health Sciences University; Brooklyn, NY; December 2021

**Marina Boruk, MD**

1. Office Procedures in Rhinology. Invited panelist. Moderator: Paul Russell, MD. 43rd Annual Vanderbilt Otolaryngology Symposium: Sisson-Ossoff International Workshop, Vail, CO, February, 2022

**Sydney Butts, MD**

1. Reconstructive Challenges of the Face in Children and Adults: Similarities and Differences. Department of Otolaryngology-Head and Neck Surgery-Northwell/Lennox Hill Hospital, May 2022
2. Cleft Lip/Nasal Deformities. Department of Dentistry and Oralmaxillofacial Surgery-New York Presbyterian/Brooklyn Methodist Hospital, January 2022
3. Frontal Sinus Fractures: Endoscopic Approaches. New York Facial Plastic Surgery Society, December 2021
4. Butts S. Facial Plastic Surgery Emergencies. Harry Barnes Medical Society Virtual Grand Rounds, June 2022
5. Butts S and Vakharia K. Current Controversies in CMF Trauma: A Live Debate. AO CMF NA Live Internet Series, December 2021
6. In office reconstruction. The 10th Annual Multidisciplinary Head and Neck Symposium: Multidisciplinary Management of Skin Cancer. SUNY Downstate Health Sciences University; Brooklyn, NY; December 2021.
7. Annual Women in Facial Plastic Surgery Program-Virtual Panel. Discussion of opportunities and challenges in the field of facial plastic surgery by clinical and industry leaders. American Academy of Facial Plastic and Reconstructive Surgery, October 2021

**Natalya Chernichenko, MD**

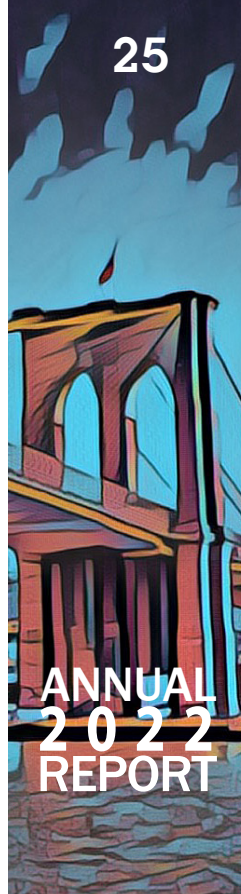
1. Molecular Mechanisms of Perineural Invasion. The 10th Annual Multidisciplinary Head and Neck Symposium: Precision Medicine. SUNY Downstate Health Sciences University, Brooklyn NY; December 2021.

**Nira Goldstein, MD, MPH**

1. Pediatric Otolaryngology. Invited Lecture for the SUNY Downstate College of Medicine ENT Club, SUNY Downstate Health Sciences University; Brooklyn NY; May 2022.
2. Updates in Pediatric Tonsillectomy. Department of Pediatrics Resident Conference, SUNY Downstate Health Sciences University; Brooklyn NY; September 2021.

**Ann Plum, MD**

1. An Introduction to the Head and Neck. State University of New York Downstate Health Sciences University, Physician Assistants Program, June 2022.
2. Pediatric Obstructive Sleep Apnea. New York Presbyterian Brooklyn Methodist, Department of Pediatrics Resident Lecture Series, June 2022.
3. Multidisciplinary Discussion of Management of nasal CPAP injury in Premature Neonates. Kings County Hospital Center, Perinatal Conference, April 2022.
4. Pediatric Neck Masses. Department of Pediatrics, Resident Lecture Series; SUNY Downstate Health



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## AWARDS, HONORS, & SPECIAL ACHIEVEMENTS

### **Sara Abu-Ghanem, MD**

Leading author on the FEES position statement of the AAO-HNS

### **Ofer Azoulay, MD**

NY Top Doctors and Rising Stars, 2022

### **Boris Bentsianov, MD**

Triological Society member.

Candidate for ALA membership.

SUNY Downstate Health Sciences University Class of 1997. 25 years reunion co-chair

### **Marina Boruk, MD**

Functioned in a role of Faculty Physician Practice Administrator

Super-user and support of EMR for faculty practice (Patient portal, questionnaires, staff support and continued development on use of HER)

Appointed as the alternate representative from the Department of Otolaryngology to sit on the Clinical Practice Management (CPMP) Board of Directors

### **Sydney Butts, MD**

United University Professions (UUP) Individual Development Award-June 2022

Alpha Omega Alpha Honor Medical Society, Downstate Eta Chapter-Faculty

Membership, March 2022

### **Natalya Chernichenko, MD**

Super Doctor's New York Rising Star

### **Nira Goldstein, MD, MPH**

The Laryngoscope- Star Reviewer, 2021

New York Super Doctors 2022

### **Matthew Hanson, MD**

Resident Teacher of the Year Award, 2022

Castle-Connelly Best Doctors in America (since 2007)

Consumer Council of America Top Physician

Key Professional Media, Inc "Super Doctor"

### **Richard Kollmar, PhD**

Samuel L. Kountz Jr., MD Award for Excellence in Mentoring 2022, SUNY Downstate

Health Sciences University

### **Ann Plum, MD**

Super Doctors Rising Stars, 2022

### **Richard M. Rosenfeld, MD, MPH, MBA**

Senior Advisor for Guidelines and Measures, AAO-HNS

America's Top Doctors, Castle-Connolly Medical Ltd Faculty Advisor, Downstate Lifestyle Medicine Interest Group

Best Doctors in NY, New York Magazine, Inc.

Ran NYC marathon in 3 hours, 51 minutes (top 10% of age group)

Ran Brooklyn half marathon in 1 hour and 47 minutes (top 10% of age group)

Appointed Chief Medical Officer for the American Board of Lifestyle Medicine

Appointed to Board of Directors for American Board of Lifestyle Medicine

Appointed Sr. Liaison for Medical Society Relations, American College of Lifestyle Medicine

SUNY Downstate Graduating Resident Award for "... tireless work to improve the department, residency program, and resident well-being,"

Designated a "Nutrition Health Hero", by

Plant-Powered Metro NY

Co-chair, 2nd Annual Conference on Plant-based Health and Nutrition, SUNY Downstate

### **Abraham Shulman, MD**

Marquis Who's Who in America, Distinguished Listees,

2020 Marquis Who's Who in America, 2021

Top Doctors 2020

Top doctors 2021

### **Krishnamurthi Sundaram, MD**

Super Doctor in NY Times listing for 2022

New York Presbyterian Brooklyn Methodist Hospital 5 Year Service Award, 2022

New York Presbyterian Brooklyn Methodist Hospital Healers Hall of Fame, 2021

Kings County Hospital Center 25 years' Service Award, 2021

AHNS History Committee appointment, 2021

Appointed to the Governing Body, Cancer Institute (WIA), Chennai, India, February 2021

Christopher de Souza, DORL, MS, DNB, FACS, FRCS

Honorary FRCS (Fellow of the Royal College of Surgeons) England, 2018

Editor in Chief - The International Journal of Head and Neck Surgery

Fellow, American Neurotologic Society

Papal recognition for working with poor deaf children through the covid-19 pandemic to restore hearing through cochlear implant surgery

### **Residents**

#### **James Alrassi, MD**

SUNY Downstate Health Sciences University

Department of Otolaryngology-Head and Neck

Surgery Resident Research Grant, 2021

#### **Alexander Graf, MD**

Committee of Interns and Residents - Patient Care

Trust Fund Board of Trustees/NYC-HHC Grant, 2022

#### **Sean Mooney, MD**

Committee of Interns and Residents - Patient Care

Trust Fund Equipment/Education Grant, 2022

#### **Ryan Tabtabai, MD**

Resident of the Year Award, Department of

Otolaryngology, GME office of Kings County Hospital, 2022

Resident Advocate of the Year Award, Department of Otolaryngology, GME Office, SUNY Downstate Health Sciences University, 2022

#### **Michael Weber, MD**

Completed AAO-HNS resident reviewer program; named full reviewer for the journal.

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## DEPARTMENT EVENTS

# OTOLARYNGOLOGY CLUB

Before Meeting...



First Row (L to R): Alexander Fang, Tiffany Voon, Elana Cohen, Grace Shadid  
Second Row (L to R): Ammar Hamid, Jennifer Gottfried, Andrew Voigt, Adam Daniels

... After Meeting



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DEPARTMENT EVENTS **INTRODUCTION TO  
THE TEMPORAL BONE LAB**

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## DEPARTMENT EVENTS THE TRIOLOGICAL SOCIETY FELLOW INDUCTION CEREMONY



Boris Bentsianov (Second from Left) inducted as a Triological Society Fellow at the 2022 Combined Otolaryngology Spring Meetings.



(Left to Right): Gady Har-El, MD and Boris Bentsianov, MD at the 2022 Triological Society induction ceremony

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**ENT SUTURE CLINIC**

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## DEPARTMENT EVENTS 10TH ANNUAL HEAD AND NECK SURGERY SYMPOSIUM



(L to R): Richard M. Rosenfeld, MD, Distinguished Professor and Past Chairman; Natalya Chernichenko, MD, Associate Program Director; Thomas J. Ow, MD



(L to R): Krishnamurthi Sundaram, MD; Sydney Butts, MD, Interim Chair; Natalya Chernichenko, MD, Associate Program Director; Thomas J. Ow, MD; Gady Har-El, MD

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## DEPARTMENT EVENTS GRADUATION DINNER AT



Richard Rosenfeld, MD, Distinguished Professor and program director, speaking to guests



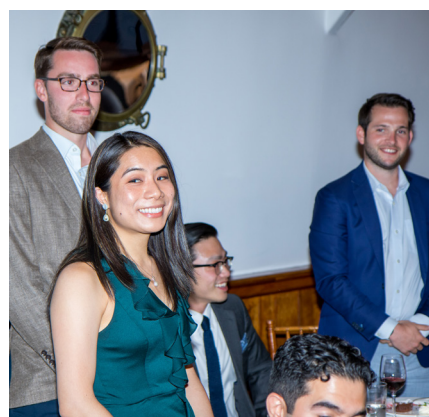
Sydney Butts, MD, Interim Chair presenting to guests



Graduating residents presenting a plaque of appreciation to Dr. Rosenfeld: (L to R) Sam Schild, MD, Richard Rosenfeld, MD, Distinguished Professor and program director, Ankit Kansal, MD, and Ryan Tabtabai, MD



(L to R) Graduating residents: Sam Schild, MD, Ankit Kansal, MD, and Ryan Tabtabai, MD presenting "Outstanding Teaching and Support" award to Matthew Hanson, MD, Faculty



Incoming residents Michele Wong, MD, James Cochran, MD, and Matthew Mendelsohn, MD



# THE WATER CLUB



Graduating residents presenting "Outstanding Teaching and Support" Award: (L to R) Ankit Kansal, MD, Sam Schild, MD, Lee Kaplowitz, MD, Faculty, and Ryan Tabtabai, MD



Graduating resident Ankit Kansal, MD and wife



Graduating resident Dr. Kansal's parents



Jennifer Liang, MD, resident, introducing graduating residents



Victor Lagmay, MD Faculty and Michael Weber, MD Resident at the dinner

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## DEPARTMENT EVENTS GRADUATION DINNER AT



Graduating residents presenting their remarks: (L to R) Ankit Kansal, MD, Ryan Tabtabai, MD, and Sam Schild, MD



Residents: Billy Yang, MD and Fasil Mathews, MD at the Dinner



Nira Goldstein, MD, Associate Program Director speaking to guests



Rahul Gulati, MD, Resident, introducing graduating residents



(R to L) Graduating Resident Ryan Tabtabai, MD, his mom Lisa Tabtabai and friend in Urology Residency – Dennis Robins, MD



(L to R) Michael Weiss, MD and Gady Har-El, MD



# THE WATER CLUB



Sam Schild Family (L to R) father-in-law – Benjamin Sandler, MD, wife - Ilana Schild, and father – Mark Schild



(L to R) Graduating resident Sam Schild, MD, wife – Ilana Schild, and Marina Boruk, MD faculty



(L to R): Dr. Jessica Lim and Dr. Sydney Butts



2nd year residents Alexander Graf, MD, Sean Mooney, MD and James Alrassi, MD presenting an entertainment program at the dinner



Dr. Rosenfeld's wife Mindy

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# DEPARTMENT EVENTS GRADUATION DINNER AT THE WATERCLUB



Graduating resident presenting an award to House Staff (L to R) Sam Schild, MD, Ankit Kansal, MD, Ryan Tabtabai, MD and Trevor Greene, House Staff



Trevor Greene, House Staff, and Krishnamurthi Sundaram, MD, Faculty, at the dinner



Michael Weber, MD resident, introducing graduating residents

## PUBLICATIONS

**Abu-Ghanem S, Graf A, Govind J.** Diagnosis of Sarcopenic Dysphagia in the Elderly: Critical Review and Future Perspectives. *Dysphagia*. 2021 Sep 17. doi: 10.1007/s00455-021-10371-8. Epub ahead of print. PMID: 34535803.

Hellums RN, **Adams MD**, Purdy NC, Lindemann TL. Impact of Liposomal Bupivacaine on Post-Operative Pain and Opioid Usage in Thyroidectomy. *Ann Otol Rhinol Laryngol*. 2022 Feb 16:34894221079095. doi: 10.1177/00034894221079095. Epub ahead of print. PMID: 35172629.

**Adams MD**, Wong J, Gadre A, Greene JS, Milligan D, Paknezhad H, Purdy N, Rager J, Wertz A, Whitenight S, Haugen TW. Impact of Giving Patients Your Personal Phone Number in Otolaryngology-Head & Neck Surgery. *Ann Otol Rhinol Laryngol*. 2022 May 23:34894221096976. doi: 10.1177/00034894221096976. Epub ahead of print. PMID: 35607722.

**Alrassi J, Cochran J, Rosenfeld RM.** Tonsil riots and vaccine hesitancy: a 100-year legacy of medical mistrust. *Otolaryngol Head Neck Surg* 2022; 166:1144-6. Randhawa G, Hagaman S, Pourabdollah Tootkaboni M, Kundal SV, Oli S, Alrassi J,

**Schild SD, Abu-Ghanem S, Brejt S.** A Rare Case of Invasive Mucormycosis in a Diabetic Patient Treated with a Short Course of Dexamethasone. *Am J Case Rep*. 2021 Jul 26;22:e932129. doi: 10.12659/AJCR.932129. PMID: 34310559; PMCID: PMC8323743.

Rebecca F, Silverman J, Hanson L, Salahi N, Li Z, **Boruk M**, and Hodgson N. Case Report: Cavernous Sinus Syndrome as the Initial Presentation of Multiple Myeloma. *Frontiers in Ophthalmology*; 30 March 2022

**Butts SC.** Facial Soft Tissue Injury and Healing. *Facial Plast Surg*. 2021 Aug;37(4):415. doi: 10.1055/s-0041-1724050. Epub 2021 Jul 20. PMID: 34284500.

**Goldstein NA.** Evaluation and Management of Pediatric Obstructive Sleep Apnea. In: Lesperance MM, ed. *Cummings Pediatric Otolaryngology*, 2nd ed. Philadelphia, PA: Elsevier, Inc.: 2021: 46-58.

Weinstock MS, Meister KD, Landry AM, **Goldstein NA**, Wertz AP. XRead: Focused Lifelong Education Xperience Congenital Hearing Loss Module. *Academy of Otolaryngology – Head and Neck Surgery Foundation*; February 2022.

Philips R, Agarwal A, Chitguppi C, Swendseid B, **Graf A**, Murphy K, Jangro W, Rhodes L, Toskala E, Luginbuhl A, Curry J, Nyquist G, Rosen M, Johnson J, Rabinowitz M. Quality of Life Outcomes in Patients With Sinonasal Malignancy After Definitive Treatment. *Laryngoscope*. 2021 Jul;131(7):E2212-E2221. doi: 10.1002/lary.29339. Epub 2020 Dec 25. PMID: 33368340.

Wang D, Marous CL, Ozay F, Timashpolsky A, **Gulati RD**, Gottesman SRS, **Boruk M**, Shinder R, Hodgson NM. Intravascular Large B-cell Lymphoma Diagnosed by Nasal Biopsy in a Patient Presenting with Bilateral Ptosis and Ophthalmoplegia. *Orbit* 2022 Feb 28; 1-5. PMID 35226576

**Gulati, R; Zeng, J; Kaplowitz, L.** Glomangioma of the External Ear: A Case Report -submitted for publication

Einstein EH, Ablyazova F, Rosenberg A, Harshan M, Wahl S, **Har-EI G**, Constantino PD, Ellis JA, Boockvar JA, Langer DJ, D'Amico RS. Stimulated Raman histology facilitates accurate diagnosis in neurosurgical patients: a one-to-one noninferiority study. *J Neurooncol*. 2022 Jun 28. doi: 10.1007/s11060-022-04071-y. Epub ahead of print. PMID: 35764906.

Cai Y, **Juszcak HM**, Cope EK, Goldberg AN. The microbiome in obstructive sleep apnea. *Sleep*. 2021 Aug 13;44(8):zsab061. doi: 10.1093/sleep/zsab061. PMID: 33705556.

Bannister JJ, **Juszcak H**, Aponte JD, Katz DC, Knott PD, Weinberg SM, Hallgrímsson B, Forkert ND, Seth R. Sex Differences in Adult Facial Three-Dimensional Morphology: Application to Gender-Affirming Facial Surgery. *Facial Plast Surg Aesthet Med*. 2022 Mar 29. doi: 10.1089/fpsam.2021.0301. Epub ahead of print. PMID: 35357226.

**Juszcak HM, Rosenfeld RM.** Lifestyle Medicine and Otolaryngology: Embracing the Future. *OTO Open*. 2021 Nov 15;5(4):2473974X211059091.

**Juszcak H, Rosenfeld RM.** Diet and health in otolaryngology. *Otolaryngol Clin NA* 2022; In press

Morello T, **Kollmar R**, Ramzaoui A, Stewart M, Orman R. Differential distribution of inhibitory neuron types in subregions of claustrum and dorsal endopiriform nucleus of the short-tailed fruit bat. *Brain Struct Funct*. 2022 Jun;227(5):1615-1640. doi: 10.1007/s00429-022-02459-0. Epub 2022 Feb 21. PMID: 35188589.

Stewart M, Morello T, **Kollmar R**, Orman R. *Carollia perspicillata*: A Small Bat with Tremendous Translational Potential for Studies of Brain Aging and Neurodegeneration. *Biomedicines*. 2021 Oct 13;9(10):1454. doi: 10.3390/biomedicines9101454. PMID: 34680571; PMCID: PMC8533637.

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**Liang JJ**, Irizarry R, Victor LS, Hoepner LA, **Chernichenko N**. Postoperative Complications After Total Thyroidectomy for Patients with Graves' Disease. *Otolaryngol Head Neck Surg* 2022 Jun 28;1945998221108050. doi: 10.1177/01945998221108050. Epub ahead of print. PMID: 35763358.

**Mathews F**, Irizarry R, **Rosenfeld RM**, **Sundaram K**. Systematic Review and Meta-Analysis of Post-Treatment PET/CT in HPV- Associated Oropharyngeal Cancer. *Annals of Otolaryngology & Laryngology*. 2022 Jun;131(6):595-603. Doi: 10.1177/00034894211036842. Epub 2021 Aug 5. PMID 34353135.

**Mooney S**, **Gulati RD**, Yusupov S, **Butts SC**. Mandibular Condylar Fractures. *Facial Plast Surg Clin North Am*. 2022 Feb;30(1):85-98. doi: 10.1016/j.fsc.2021.08.007. PMID: 34809889.

**Mooney SM**, **Sukato DC**, **Azoulay O**, **Rosenfeld RM**. Systematic review of submental artery island flap versus free flap in head and neck reconstruction. *Am J Otolaryngol*. 2021 Nov-Dec;42(6):103142. doi: 10.1016/j.amjoto.2021.103142. Epub 2021 Jun 18. PMID: 34174670.

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## PRESENTATIONS

### **Sara Abu-Ghanem, MD**

1. The use of oxygen/air blender during transoral laser microsurgery with supraglottic manual jet ventilation – a safe approach. Poster presentation at The Fall Voice Conference. Miami, Florida; October 21-23, 2021

### **Ofer Azoulay, MD**

1. "Regional flaps for head and neck reconstruction, it is not all about free flaps". Department of Otolaryngology Grand Rounds, Brooklyn, NY; June 2022
2. Multidisciplinary Challenging Cases – Panel Discussion. The 10th Annual Multidisciplinary Head and Neck Symposium: Multidisciplinary Management of Skin Cancer. SUNY Downstate Health Sciences University; Brooklyn, NY; December 2021

### **Boris Bentsianov, MD**

1. Introduction to Laryngology. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; August 2021
2. Videostroboscopy Interpretation Workshop. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; February 2022
3. Billing in Otolaryngology. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; March 2022
4. New Resident Welcome Session. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; June 2022
5. Transition to Fellowship or Practice? The Annual Frank E. Lucente Alumni and Resident Research Day; Brooklyn NY; June 2022

### **Marina Boruk, MD**

1. Focused plastics in-service review: review of fillers, peels, and local flaps. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; February 2022

### **Sydney Butts, MD**

1. Lip reconstruction after cancer excision. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; March 2022
2. Soft Tissue Lab – Part 1. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; March 2022.
3. Therapeutic uses of Botulinum Toxin/Local Flaps and Grafts for Facial Reconstruction. SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; July 2021.
4. Multidisciplinary Challenging Cases – Panel Discussion. The 10th Annual Multidisciplinary Head and Neck Symposium: Multidisciplinary Management of Skin Cancer. SUNY Downstate Health Sciences University; Brooklyn, NY; December 2021.

### **Natalya Chernichenko, MD**

1. Effects of BMI Status on postoperative Outcomes in Patients Undergoing Major Head and Neck Surgery. Poster Presentation at the 2021 American Academy of Otolaryngology-Head and Neck Surgery Meeting; Hybrid Event, Los Angeles, CA; October 2021.
2. Impact of Malnutrition on Postoperative Outcomes in Patients Undergoing Major Head and Neck Surgery. Poster Presentation at the 2021 American Academy of Otolaryngology-Head and Neck Surgery Meeting; Hybrid Event, Los Angeles, CA; October 2021.
3. Comparison of risk factors and postoperative outcomes in primary and secondary/tertiary hyperparathyroidism. Poster presentation at the AHSN Conference 2021, Chicago, Illinois; July 2021

### **Nira Goldstein, MD**

1. Fatigue Management. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY June 2022.
2. Outcomes and management of infants who refer newborn hearing screening. Poster presentation at the American Society of Pediatric Otolaryngology 2022 Annual Meeting, Dallas, TX, April 29 – May 1, 2022.
3. Etiology and therapeutic strategies to common pediatric illnesses. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; January 2022.

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**Matthew Hanson, MD**

1. Otology imaging/case review. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; April 2022.
2. Temporal bone resection. Annual Multidisciplinary Head and Neck Symposium; SUNY Downstate Health Sciences University; December 2021.
3. Otology imaging review. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; October 2021.
4. Auditory Physiology. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University Department of Otolaryngology Grand Rounds; Brooklyn, NY; July 2021.

**Gady Har-El, MD**

1. Resident Review: Early Glottic Cancer Endoscopic Techniques. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, May 2022

**Richard Kollmar, PhD**

1. Statistics review for residents. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, June 2022
2. CORE Grants. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, September 2022

**Michal Preis, MD**

1. Endoscopic Ear Surgery. Eustachian Tube Dysfunction. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, August 2021.
2. Middle Ear Anatomy. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, July 2021.

**Ann Plum, MD**

1. Outcomes and Management of Infants who refer Newborn Hearing Screen. Poster presentation at The American Society of Pediatric Otolaryngology 2022 Annual Meeting, Dallas Texas, April 29-May 2022.
2. Pierre Robin Sequence. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, December 2021.
3. Surgical Management of Subglottic Airway Hemangiomas: A Systematic Review. Poster Presentation at The American Academy of Otolaryngology Head and Neck Surgery Annual Meeting, Los Angeles Ca, October 2021.
4. Deep neck Space Infection. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, July 2021.

**Richard M. Rosenfeld, MD, MPH, MBA**

1. History of medicine through antique medical instruments. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, June 2022.
2. Plant-based nutrition for optimal athletic performance. Breakout Session, 2nd Annual Conference on Plant-based Health and Nutrition, SUNY Downstate, May 2022.
3. Plant-forward eating for health and longevity. New York Botanical Gardens, Adult Education Course, May 2022.
4. Insurance for physicians: what every otolaryngologist needs to know. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, May 2022.
5. Consensus statement on whole food, plant-based nutrition for diabetes remission. 2nd Annual Conference on Plant-based Health and Nutrition, SUNY Downstate, May 2022.
6. Engaging in medical societies for personal and career advancement. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, April 2022.
7. The case for office insertion of tympanostomy tubes. American Society of Pediatric Otolaryngology Annual Meeting, COSM 2022, Dallas, TX, April 2022.
8. How to create your own job. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, February 2022.
9. Fundamentals of systematic review and meta-analysis. SUNY Downstate Evidence-based Medicine Club, Brooklyn, NY, February 2022.
10. Business of medicine: getting paid for what you do. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, December 2021.
11. ACGME core competency: patient care. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, September 2021.



12. Experts guide to tympanostomy tube care. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, September 2021.
13. Update on acute otitis media. Pediatric Resident Conference, SUNY Downstate Health Sciences University, Brooklyn, NY, September 2021.
14. Myths and facts about Covid-19 vaccines: what you need to know. UPB-ENT Faculty Practice Webinar, SUNY Downstate Health Sciences University, Brooklyn, NY, September 2021.
15. Managing time for peak performance. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, August 2021.
16. ACGME case logs. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, July 2021.
17. How to read journal articles. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, July 2021.
18. ACLM lifestyle behavior core competencies. Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY, July 2021.

#### **Krishnamurthi Sundaram, MD**

1. Basic Science and Surgery of the Thyroid and Parathyroid. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University; August 2022.
2. Surgical Management of Perineural Invasion in Non-Melanoma Squamous Cutaneous carcinoma of the Head and Neck. Annual Multidisciplinary Head and Neck Symposium; SUNY Downstate Health Sciences University; December 2021.

#### **John Weigand, PhD**

1. Introduction to Audiograms. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University; July 2021.
2. Healthy Hearing and Balance. Fort Green Council; Brooklyn NY; January 2022, April 2022.

#### **Richard Westreich, MD**

1. Liposomal Bupivacaine (Exparel) for Postoperative Analgesia in Rhinoplasty. ACS; San Diego CA; March 2022.

## **Resident Presentations**

#### **Mathew Adams, MD**

1. Chronic auricular chondritis: Dangers of a rare bacterial etiology. The Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Is Giving Patients Your Personal Phone Number Good Clinical Practice? AAO-HNSF Annual Meeting & Oto Experience; Los Angeles, CA; October 2021.

#### **James Alrassi, MD**

1. The Tonsil Riots & Vaccine Hesitancy: A 100 Year Legacy of Medical Mistrust. Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. The Tonsil Riots: An Examination of Miscalculated Disease Prevention. The New York Academy of Medicine's 13th Annual History of Medicine and Public Health Night; New York, NY; February 2022
3. Examination, Diagnosis, and Treatment of the External Ear in the Primary Care Setting. SUNY Downstate Health Sciences University Department of Family and Community Medicine Grand Rounds; Brooklyn, NY; January 2022
4. Tonsil Riots & Vaccine Hesitancy: A 100 Year Legacy of Medical Mistrust. Oral presentation at: AAO-HNS Annual Meeting & Oto Experience – Otolaryngology Historical Forum; Los Angeles, CA; October 2021
5. Disorders of the External Ear. SUNY Downstate Health Sciences University Department of Otolaryngology-Head and Neck Surgery Grand Rounds; Brooklyn, NY; September 2021
6. Nasal Fracture in Adults. SUNY Downstate Health Sciences University Department of Otolaryngology-Head and Neck Surgery Grand Rounds; Brooklyn, NY; August 2021

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**Alexander Graf, MD**

1. Assessment of Swallowing Function in Healthy Adults While Using High - Flow Nasal Cannula. Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Botulinum toxin use in otolaryngology. SUNY Downstate Health Sciences University Department of Otolaryngology-Head and Neck Surgery Grand Rounds; Brooklyn, NY; February 2022

**Rahul Gulati, MD**

1. Outcomes of Endoscopic Endonasal Surgery for Skull-base Chondrosarcoma: A Systematic Review. The Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Rhinoplasty complications and management. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; March 2022.
3. Postoperative Level of Care following Microvascular Free Flap Reconstruction of the Head and Neck: A Systematic Review and Meta-Analysis. Triological Society Combined Sections Meeting; San Diego CA; January 2022.

**Jennifer Liang, MD**

1. Creation of a device for the dynamic treatment of facial nerve paralysis. The Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Management of Subglottic Stenosis. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; April 2022
3. Laryngopharyngeal Reflux Management. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; April 2022.

**Fasil Matthews, MD**

1. A single-cell atlas of the human middle turbinate. The Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Management of Recurrent of Respiratory Papillomatosis. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; December 2021.

**Sean Mooney, MD**

1. "Smoke Inhalation Injury." Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; March 2022.
2. "Immunotherapy in Head and Neck Cancer." SUNY Downstate Health Science University, Department of Otolaryngology Grand Rounds; Brooklyn NY; May 2022.

**Sam Schild, MD**

1. Outcomes and management of infants who refer newborn hearing screening. Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. "Surgical Management of Airway Hemangiomas: A Systematic Review." Poster presented at AAO-HNS Annual Meeting in Los Angeles; October 2021.
3. "Hearing outcomes in Neonates who refer screening." Poster presented at ASPO; Dallas Texas; April 2022.

**Ryan Tabatabai, MD**

1. "Head and Neck Cancer Nutrition Status: Utilizing EPIC to Improve Patient Care." Annual Frank E. Lucente Alumni and Resident Research Day, SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Practical pathology review for surgeons. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn NY; May 2022.
3. Case Review: Head & Neck Pathology. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn NY; May 2022.

**Stephanie Tominaga, MD**

1. "Generating Symmetric Movement with Stimulation of the Facial Nerve in a Rat Model". The Annual Frank E. Lucente Alumni and Resident Research Day; SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. "Surgical Management of Pediatric Airway Hemangioma: A Systematic Review". AAO-HNSF 2021 Annual Meeting; Los Angeles, CA; October 2021.



3. Autoimmune Hearing Loss. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University, Brooklyn NY; September 2021.

**Michael Weber, MD**

1. A Comparison of Intra-Oral and Extra-Oral Surgical Approaches to Sialorrhea: A Systematic Review and Meta-Analysis. The Annual Frank E. Lucente Alumni and Resident Research Day; SUNY Downstate Health Sciences University; Brooklyn NY; June 2022.
2. Congenital Inner Ear Malformations. Department of Otolaryngology Grand Rounds, SUNY Downstate Health Science University; Brooklyn NY; February 2022
3. Impact of Sleep Apnea Surgery on Seizure Control in Children with Comorbid Obstructive Sleep Apnea and Epilepsy. AAO-HNS Annual Meeting; Los Angeles, CA; October 2021.



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## AFFILIATED HOSPITALS

### SUNY Downstate Health Sciences University

### University Hospital of Brooklyn

University Hospital of Brooklyn has been an integral part of SUNY Downstate Health Sciences University, one of America's most prominent educational and patient care networks. The 376-bed University Hospital serves the needs of nearly 3 million people. Brooklyn's only academic medical center, SUNY Downstate encompasses the College of Medicine, School of Graduate Studies, College of Nursing, College of Health Related Professions and extensive research facilities. The Hospital is a regional referral center for neonatology, transplantation and pediatric hemodialysis and offers a rich resource of sophisticated medical facilities, many of which are found nowhere else in the region. Physicians refer patients here for diagnosis, treatment and rehabilitation services that require our advanced technologies.

University Hospital of Brooklyn is committed to providing quality health care to the people of Brooklyn and beyond. To expand access to medical services, our Emergency Care Center sees patients 24 hours a day, seven days a week. The Hospital also operated 2 satellite health centers to serve community healthcare needs; The Family Health Services Center at 840 Lefferts Avenue and The Center for Healthcare Services at Midwood at 2171 Nostrand Avenue.

### Kings County Hospital Center

Kings County Hospital Center has a rich legacy for its pioneering role in medicine. Today, with over 627 beds, it remains on the cutting edge of technology and provides the most modern procedures with state-of-the-art equipment. Built in 1831 as a one room infirmary for publicly supported care of the sick, Kings County Hospital Center continues to be a leading healthcare facility whose mission is to provide care to everyone regardless of their ability to pay. The hospital provides a wide range of health services, and specialties offered in all fields of modern medicine. More than 200 clinics provide a wide array of ambulatory care services. Kings County Hospital Center operates a world-renowned Level 1 Trauma Center, one of only three in the borough, which serves 2.6 million residents of Brooklyn and Staten Island. KCHC, a member institution of the New York City Health & Hospitals Corporation (HHC), is located in the heart of Brooklyn at the juncture of Crown Heights and East Flatbush. The hospital serves the Brooklyn community as both the family doctor and a major provider of a full spectrum of health care services. Throughout its history, the hospital has played a major role in meeting the health care needs of its surrounding population. This role is challenged by the growth of problems with AIDS, drugs, mental health, TB, homelessness, other epidemics, and the pandemic which strain existing resources and means for effective and efficient health care delivery. The Department of Otolaryngology is extremely busy at KCHC and runs an active out-patient facility, in-patient consultation service and surgical schedule. Four residents cover KCHC and UHB as a combined service, with the assistance of one general surgery resident and a dedicated otolaryngology physician assistant. The Department of Otolaryngology has scheduled Operating Room activities five days a week. All otolaryngologic subspecialties are covered with emphasis on head and neck cancer surgery, facial plastic and reconstructive surgery, pediatric otolaryngology and maxillofacial trauma. Matthew B. Hanson, MD is the director of the service and he is assisted by 10 additional part-time and voluntary board-certified otolaryngologists.

### Maimonides Medical Center

A 705-bed hospital, Maimonides Medical Center is the third largest independent teaching hospital nationally in the size of its training programs, providing a full range of inpatient and outpatient medical and surgical care. Maimonides sponsors 19 residency training programs and three SUNY-HSCB integrated programs with close to 400 residents and fellows. With over 40% of its residents in primary care positions, Maimonides continues to strive to meet the demand for generalist physicians. It has recently been accredited for its Primary Care Medicine Residency Program. Through intensive recruitment, it has recently added five full time primary care faculty. A Certificate of Need has been obtained for a primary care facility in Borough Park to provide care to an underserved community of Russian immigrants, and the Medical Center is in the process of making curriculum changes in Medicine, Pediatrics and Obstetrics and Gynecology to reflect an increased focus on primary care training.



## Manhattan Eye, Ear & Throat Hospital/Lenox Hill Hospital

Manhattan Eye, Ear & Throat Hospital (MEETH) opened its doors to patients on October 15, 1869 at its original location, 223 East 34th Street. At the time, much of the city did not have access to many vital services and the lack of basic healthcare drastically affected everyday life. Faced with this reality, the New York state legislature issued a charter to found a voluntary, non-profit hospital whose mission was to "...alleviate the sufferings of the poor, the prevention of pauperism, and the cultivation and diffusion of sound knowledge of all that relates to the diseases of the eye and ear." Since its founding, MEETH has built upon its proud tradition of providing patient-centered care and has grown to become the world-renowned facility that it is today. MEETH and Lenox Hill Hospital joined Northwell Health in 2011. MEETH, which is located at 210 East 64th Street, is a specialized center that continues to focus on high-quality care for eye, ear and throat conditions. The center provides advanced treatments for thousands of patients each year, offering a range of services and expert care. Areas of expertise in ambulatory medicine include ophthalmology, otolaryngology (ENT), orthopedics, podiatry, plastic surgery, urology, gynecology, dental surgery and general surgery. 17 operating rooms equipped with the latest technology for surgery. Highly specialized medical and clinical staff, with skilled professionals across multiple disciplines collaborating to deliver the best care. Six outpatient practices including the Retroviral Disease Center, the Center for Attention and Learning, Outpatient Center for Mental Health, Ophthalmology, Otolaryngology and Plastic Surgery. As of November 2013, the otolaryngology resident on the ambulatory care rotation spends two days per month at the Manhattan Eye, Ear and Throat Hospital (MEETH) performing cosmetic facial plastics cases and seeing office patients under the direction of Richard Westreich, MD. This rotation provides training in cosmetic facial plastic surgery, with both operating room and in-office procedures. Pre-operative and post-operative care is emphasized. Since the fall of 2015, residents are also spending two days per month with Sujana Chandrasekhar, MD, performing otologic cases.

Lenox Hill Hospital is a 652-bed, acute care hospital located on Manhattan's Upper East Side. A staple in the community for more than 150 years, the hospital has earned a national reputation for outstanding patient care and innovative medical and surgical treatments. The mission of Lenox Hill Hospital is to deliver outstanding healthcare with compassion and respect, to promote wellness in its communities, and to advance the field of medicine through education and research.

The hospital is particularly well known for excellence in internal medicine, cardiovascular disease, orthopedics, sports medicine, otolaryngology/head and neck surgery and maternal/child health. The hospital is also a recognized leader in public health education and community outreach.

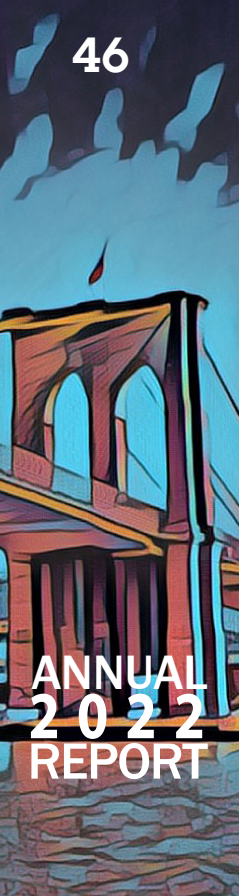
## New York-Presbyterian Brooklyn Methodist Hospital

New York-Presbyterian Brooklyn Methodist Hospital is located in the historic brownstone neighborhood of Park Slope in Brooklyn, New York, between Seventh and Eighth Avenues, on Sixth Street. The hospital is a 651-bed voluntary, non-profit hospital with about 38,000 annual inpatients admissions, 250,000 annual outpatient visits, and about 6,000 births. The Hospital is also a major teaching hospital, with ten graduate medical education programs and five schools that provide training in allied health professions. New York-Presbyterian Brooklyn Methodist Hospital is affiliated with the Weill Cornell Medical College of Cornell University and is a member of the New York-Presbyterian Healthcare System. New York-Presbyterian Brooklyn Methodist Hospital has a number of institutes that bring together multidisciplinary specialists to provide care and offer community education and physician referral services. The Institute for Advanced Otolaryngology at NYM was established by the SUNY Downstate Department of Otolaryngology in July 2013 and includes the Center for Head, Neck and Skull Base Surgery and the Center for Advanced Pediatric Otolaryngology. Our on-site presence includes two otolaryngology residents (PGY5 and PGY2 with home call), administrative support, a faculty practice, and a new medical student rotation (July 2014). Daily clinical and operative instruction is provided by our faculty along with a monthly tumor board. Tertiary level cases are performed with state-of-the-art equipment that includes lasers, robots, image guidance, and operative microscopes and also with equipment for microvascular, advanced pediatric, cleft lip and palate, rhinologic, laryngeal, otologic, and head, neck, and skull base surgery.

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## EDUCATIONAL PROGRAMS

### Executive Summary

The Department of Otolaryngology at SUNY Downstate Medical Center had intensive continuing medical education activities during the academic year of 2021-2022. The mission of our department's activity is to provide formal education, disseminate new information, provide a forum for presentation and discussion, and to ensure improvements and adjustments based on feedback from attendees.

The department's continuing education is based mainly on Grand Rounds, a weekly conference that takes place at the SUNY Downstate campus. All Otolaryngology, Audiology, Speech and Language Pathology professionals as well as professionals in related disciplines are invited. The conference is mandatory for the faculty and residents of our department.

During the 2021-2022 academic year, the morning conference was divided into four parts. The first half hour from 6:30 to 7:00am was dedicated to the discussion of various residency related topics. During the 7:00 to 8:00 am hour, lectures were delivered by invited guests who are nationally known for their expertise and experience in a variety of topics. In-house speakers and faculty as well as residents presented information during the 8:00 to 9:00 am hour. Also, journal club occurred from 8:00 to 9:00 on the second Thursday of each month and morbidity & mortality conference occurred during this time on the fourth Thursday. Biweekly Head and Neck Tumor Board were included in the schedule from 9:00 to 10:00 with the other weeks being dedicated to Comprehensive Otolaryngologic Curriculum Learning through Interactive Approach (COCLIA) Review Sessions. Various aspects of basic sciences as related to the field of Otolaryngology-Head & Neck Surgery were presented and discussed from 7:00 to 9:00 am during July and August.

The roster of guest speakers for 2021-2022 is included in this report. In general, all the speakers were knowledgeable and gave excellent lectures with organized information relevant to the practice of Otolaryngology-Head and Neck Surgery. The overall quality of the presentation was rated highly, as per the anonymous evaluation forms submitted. Practitioners, as well as residents, use the information which is disseminated during these conferences for their day to day clinical practice. The same lectures are used also as a forum for the audience to ask questions and to discuss difficult cases.

The major strength of this program is the diversity of the topics discussed and their relevance to the clinical practice of all attendees. This Grand Rounds Conference format will continue, with three hours dedicated to a single topic which is explored in depth.

Each year residents participate in a temporal bone dissection course run by Dr. Matthew Hanson, anatomy lab surgical dissection sessions led by Dr. Ofer Azoulay and simulation sessions run by Dr. Ann Plum. The residents also attend an AO North America maxillofacial trauma course during their PGY 3 or PGY 4 year. All residents receive a subscription for the Boards Vital for ENT Review and the AAO-HNS Focused Lifeline Education Xperience (FLEX). Each spring the residents take the ABOto Otolaryngology Training Examination.



## GOALS AND OBJECTIVES

July 1, 2022 – June 30, 2023

**Department of Otolaryngology**  
**SUNY-Downstate and Affiliated Hospitals**  
**Educational Program for Residents**

**Sponsoring Institution:** State University of New York-Downstate Medical Center

**Affiliated Institutions:** Kings County Hospital Center, Maimonides Medical Center, University Hospital of Brooklyn, Lenox Hill Hospital - Manhattan Eye, Ear and Throat Hospital, New York-Presbyterian Brooklyn Methodist Hospital

**Chair:** Sydney C. Butts, MD

**Program Director:** Nira A. Goldstein, MD, MPH

**Associate Program Director:** Natalya Chernichenko, MD

### Overall Residency Experience

Goals and Objectives for resident education are best understood in the context of the entire program, which is based in 5 academic centers, as well as in private offices in the region. The academic centers are located in Brooklyn and include Kings County Hospital Center (KCHC), University Hospital of Brooklyn (UHB), Maimonides Medical Center (Maimo), Lenox Hill Hospital - Manhattan Eye, Ear and Throat Hospital (MEETH) and New York-Presbyterian Brooklyn Methodist Hospital (Methodist).

The Department of Otolaryngology offers a fully accredited residency program that provides education and experience in surgery, inpatient and outpatient clinical care, basic sciences and research as they relate to diseases of the head and neck. The practice of otolaryngology- head and neck surgery is exciting, as it involves aspects of medicine, pediatrics, neurology, neurosurgery, ophthalmology, plastic surgery, and surgery. It is a specialty inclusive of all age groups from newborns with congenital anomalies to the very aged with profound hearing losses or head and neck tumors. Many of those conditions treated by the otolaryngologist-head and neck surgeon require periodic examinations with extended follow-up, so that the patient-physician relationship becomes more established.

Some practitioners in otolaryngology-head and neck surgery concentrate in specific areas, such as laryngology, neurotology, rhinology, pediatric otolaryngology, facial plastic surgery, skull base surgery, microvascular reconstruction, or head and neck oncology. Others emphasize the medical or the surgical aspects of head and neck problems, including allergy, immunology, and communicative disorders. This broad mix of patients, medical disorders, and surgical challenges makes otolaryngology an exciting and rewarding specialty.

Each resident develops skill and knowledge of all aspects of modern otolaryngology. Practice experience in private, governmental, and municipal hospitals is blended to give the trainee a quality learning experience. Individual supervision and teaching are provided at all levels of training. Participation in clinical care and the operating rooms is commensurate with the trainee's level of competence and ability. Ample clinical material is available, ensuring graduated resident responsibility. A basic science program is strategically placed at the beginning of the trainee's education in otolaryngology-head and neck surgery. This didactic and laboratory experience is heavily weighted in histopathology and temporal bone dissection.

High priority is given to educating medical students that rotate within the department. Students elect to spend from two weeks to two months on the service. Residents participate actively in a coordinated program designed to furnish the students with a basic core of knowledge and understanding of the discipline. Outpatient clinics, ward rounds, operating room exposure, and special seminars are the foundation of their learning.

The rare combination of diverse practice settings and a single training program serving a population of more than 3 million inhabitants of Brooklyn and Staten Island makes the SUNY Downstate Residency Training Program a unique opportunity for exposure to all aspects of Otolaryngology.

### Program Core

The Otolaryngology Residency is five years. The first year is coordinated with the SUNY-Downstate Medical Center Departments of Surgery, Anesthesiology, Oral and Maxillofacial Surgery and Neurosurgery, with whom we have had a productive working relationship for many years. The excellent training provided by those departments is an integral part of the program designed to prepare the contemporary otolaryngologist-head and neck surgeon. The following four years are spent in the Department of Otolaryngology.

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There are 15 residents, with 3 residents accepted each year through the National Resident Matching Program. The training program is designed to provide graduated responsibility, culminating in an intensive and tailored Chief Residency year. There is full attending physician supervision in clinics, inpatient care and operating rooms in all affiliated hospitals.

#### Rotation Schedule

<b>PGY-1 (n=3)</b>	Surgery (2 months selected from general surgery and pediatric surgery)	1 month in each of the following: Anesthesia (UHB), Critical Care (KCHC), Oral-maxillofacial surgery (KCHC), and Neurosurgery (KCHC)	Otolaryngology: 1 to 2 months at KCHC/UHB and 4 to 5 months at Maimonides
	<b>4 months</b>	<b>4 months</b>	<b>4 months</b>
<b>PGY-2 (n=3)</b>	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH
<b>PGY-3 (n=3)</b>	KCHC/UHB	NYMH	Research
<b>PGY-4 (n=3)</b>	Lenox Hill/MEETH	Maimonides	KCHC/UHB
	<b>6 months</b>	<b>6 months</b>	<b>6 months</b>
<b>PGY-5 (n=4)</b>	Ambulatory Care/MEETH/ NYMH	NYMH	KCHC/UHB

\*In 2022-2023, there are only 2 PGY5s.

Abbreviations:

KCHC/UHB – Kings County Hospital Center/University Hospital of Brooklyn

MEETH – Manhattan Eye, Ear and Throat Hospital

NYMH – New York-Presbyterian Brooklyn Methodist Hospital



## ACGME Core Residency Training Competencies by Training Year

### SUNY Downstate Department of Otolaryngology

#### Purpose

This document describes expectations by training year for otolaryngology residents enrolled in the training program at the SUNY Downstate Department of Otolaryngology and apply to the primary training hospital and all affiliates. This is intended as a supplement to the document entitled "Residency Program Goals and Objectives," which is a more comprehensive overview of the program structure. To view the Department of Otolaryngology's "Residency Program Goals and Objectives" please go to <http://www.downstate.edu/otolaryngology/>.

**Table 1**

**Medical Knowledge:** Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social behavioral sciences, as well as the application of this knowledge to patient care.

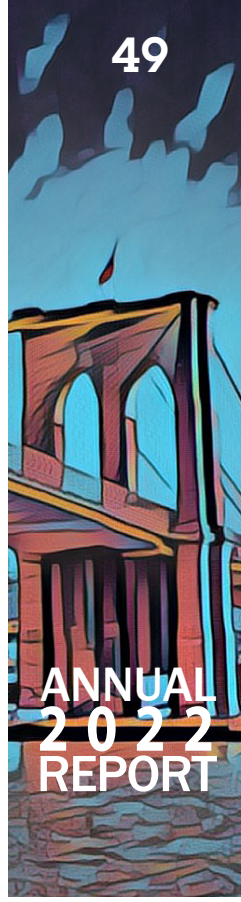
	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Annual otolaryngology in-service examination	Participate in examination	Meet or exceed median PGY-2 score	Meet or exceed median PGY-3 score	Meet or exceed median PGY-4 score	Meet or exceed median PGY-5 score
Basic science*	Familiarity	Attend Basic Science Course	Attend Basic Science Course	In-depth knowledge	In-depth knowledge
H&N Anatomy	Familiarity	Thorough understanding	In-depth knowledge	Mastery	Mastery
Clinical medicine learning focus	Approach to the patient	Surgical indications and general otolaryngology	General otolaryngology and subspecialties	Otolaryngology subspecialties	Mastery
Temporal bone course†	—	Mastoidectomy, labyrinthectomy	Cochleostomy, ossiculoplasty	Develop confidence; avoid complications	Teach junior residents
COCLIA‡	—	Present basic topics	Present more advanced topics	Present advanced and complex topics	Supervise junior residents; present
AO North America Maxillofacial Trauma Course	—	—	Attend as PGY-3 or PGY-4 resident	Attend as PGY-3 or PGY-4 resident	—
Textbook reading (Bailey's and/ or Cummings)	Case-based; skim chapters	Read all chapters for exposure to field	Read all chapters for understanding	Re-read all chapters for greater insight	Re-read all chapters for mastery
Journal reading	Skim core journals	Read core** ≥ 60 minutes/ week	Read core** and selected others	Read core** & sub-specialty journals	Read core** & sub-specialty journals
AAO-HNS Resident Flex Course	Exposure	100%	100% participation	100% participation	100% participation
		participation			

\*Basic Science includes anatomy, physiology, genetics, audiology, speech pathology, taste/smell, wound healing, child development

†Temporal Bone Course includes anatomy, mastoid drilling technique, middle ear prosthesis placement, and implantable hearing devices

‡COCLIA, or Comprehensive Otolaryngologic Curriculum Learning through Interactive Approach, is a teaching tool from the AAO-HNS Foundation to help residents learn otolaryngology – head and neck surgery through bimonthly conferences with faculty supervision

\*\*Core journals are Ann Otol Rhinol Laryngol, Arch Otolaryngol Head Neck Surg, Laryngoscope, Otolaryngol Head Neck Surg, and Otolaryngol Clin NA.



**Table 2**

**Patient Care, Clinical Skills:** Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Clinical skills and basic procedures	Perform H&N exam	Proficiency in H&N exam; perform flexible endoscopy	Proficiency in adult endoscopy; develop laser skills	Proficiency in peds endoscopy; learn stroboscopy	Mastery; develops personal style and approach
Admissions, transfers, discharges	Participates	Coordinates with senior residents	Coordinates with senior residents	Supervision and teaching	Supervision and teaching
Use of labs, ancillary studies, consultations	Understands appropriate use	Handles with supervision	Effective and appropriate use	Masters appropriate use	Mastery and team leader
Administrative skills: EHR, documentation, medical records, transcriptions	Uses appropriately	Timely and accurate completion of assignments	Timely and accurate completion of assignments	Increasing role in supervision and teaching	Mastery and team leader
Follow-up care	Participates	Completes assignments	Plans care and ensures follow-up	Increasing role in coordination of care	Master and team leader
Universal precautions	Uses appropriately	Uses appropriately	Uses and teaches	Uses and teaches	Leader & role model

**Table 2**

**Patient Care, Surgical Procedures:** Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Specialty	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
General otolaryngology, head and neck surgery	<ul style="list-style-type: none"> <li>Physical examination</li> <li>ACLS/ ATLS</li> <li>Central line placement</li> <li>Arterial blood gas sampling</li> <li>Nasogastric tube placement</li> <li>Foley catheter placement</li> <li>Incision and drainage, simple abscesses</li> <li>Management tracheostomy tubes</li> <li>Basic wound management</li> </ul>	<ul style="list-style-type: none"> <li>Fine needle aspiration, neck</li> <li>Insertion of tracheostomy tube</li> <li>Direct laryngoscopy, diagnostic</li> <li>I&amp;D neck abscess</li> </ul>	<ul style="list-style-type: none"> <li>Level 1 neck dissection</li> <li>Tracheotomy</li> <li>Deep lymph node excision/ biopsy</li> <li>Submandibular gland excision</li> <li>Caldwell Luc procedure</li> <li>Esophagoscopy, diagnostic, dilation</li> <li>Panendoscopy with biopsy</li> </ul>	<ul style="list-style-type: none"> <li>Superficial parotidectomy</li> <li>Selective neck dissection</li> <li>Partial glossectomy</li> <li>Thyroidectomy</li> <li>Parathyroidectomy</li> <li>Excision congenital neck mass, all types including thyroglossal duct and branchial cleft cysts</li> <li>Endoscopic approach hypophysectomy</li> <li>Lip wedge resection</li> <li>Oral cavity tumor resection</li> <li>Auricular excision</li> </ul>	<ul style="list-style-type: none"> <li>Total parotidectomy ± facial nerve graft</li> <li>Total glossectomy</li> <li>Radical neck dissection</li> <li>Modified radical neck dissection</li> <li>Lateral rhinotomy</li> <li>Skull base resection, anterior, middle</li> <li>Composite resection, oral cavity/oropharynx</li> <li>Mandibular resection</li> <li>Parapharyngeal space tumor excision</li> <li>Maxillectomy ± orbital exenteration</li> <li>Laryngopharyngectomy</li> <li>Major vessel repair</li> </ul>
Otology and neurotology	N/A	<ul style="list-style-type: none"> <li>Microscopic examination, external ear</li> <li>In-office adult myringotomy/ tube</li> <li>Audiogram interpretation</li> <li>Tympanogram interpretation</li> </ul>	<ul style="list-style-type: none"> <li>Tympanoplasty, I</li> <li>Simple mastoidectomy</li> </ul>	<ul style="list-style-type: none"> <li>Tympanoplasty I/IV</li> <li>Mastoidectomy, canal wall down</li> <li>Canaloplasty</li> <li>Resection cerebellopontine angle tumor, assistant</li> </ul>	<ul style="list-style-type: none"> <li>Ossiculoplasty</li> <li>Stapedectomy</li> <li>Temporal bone resection</li> <li>Skull base resection, lateral</li> <li>Aural atresia repair</li> <li>Facial nerve decompression</li> <li>Repair perilymphatic fistula</li> <li>Labyrinthectomy</li> <li>Cochlear implantation</li> <li>Resection CPA tumor, assistant</li> </ul>
Allergy	N/A	<ul style="list-style-type: none"> <li>Fiberoptic intubation, angioedema</li> </ul>	<ul style="list-style-type: none"> <li>Administer and interpret allergy skin test</li> <li>Allergy emergency protocol</li> </ul>		



Adult sleep medicine and surgery	N/A	<ul style="list-style-type: none"><li>• Septoplasty, turbinate reduction</li><li>• Tonsillectomy</li></ul>	<ul style="list-style-type: none"><li>• Uvulopalatopharyngoplasty</li></ul>	<ul style="list-style-type: none"><li>• Lingual tonsillectomy</li></ul>	<ul style="list-style-type: none"><li>• Tongue advancement procedure</li></ul>
Laryngology	<ul style="list-style-type: none"><li>• Flexible laryngoscopy</li></ul>	<ul style="list-style-type: none"><li>• Bronchoscopy, diagnostic</li><li>• Laryngoscopy with excision</li></ul>	<ul style="list-style-type: none"><li>• Endoscopic laser ablation ± dilation laryngotracheal stenosis</li><li>• Laryngoscopy with microflap excision, vocal fold mass</li><li>• Endoscopic/ open excision Zenker's diverticulum</li><li>• Tracheoesophageal fistula creation</li><li>• Arytenoidectomy</li></ul>	<ul style="list-style-type: none"><li>• Total laryngectomy</li><li>• Partial laryngectomy, open or endoscopic</li><li>• Laryngotracheoplasty</li><li>• Repair laryngeal fracture</li><li>• Tracheal resection, anastomosis</li><li>• Thyroplasty, arytenoid adduction</li><li>• Injection laryngoplasty</li></ul>	
Sinonasal	<ul style="list-style-type: none"><li>• Flexible nasopharyngoscopy</li></ul>	<ul style="list-style-type: none"><li>• Anterior and posterior nasal packing</li><li>• Septoplasty</li><li>• Submucous turbinate resection</li></ul>	<ul style="list-style-type: none"><li>• Endoscopic anterior ethmoidectomy</li><li>• Endoscopic maxillary antrostomy</li><li>• Endoscopic polypectomy</li><li>• Endoscopic nasopharyngeal biopsy</li></ul>	<ul style="list-style-type: none"><li>• Endoscopic posterior ethmoidectomy</li><li>• Endoscopic sphenoidectomy</li><li>• Endoscopic frontal sinusotomy</li><li>• Frontal sinus trephination</li></ul>	<ul style="list-style-type: none"><li>• Endoscopic repair CSF leak</li><li>• Endoscopic sphenopalatine ligation</li><li>• Osteoplastic frontal sinus obliteration</li><li>• Advanced endoscopic frontal sinusotomy</li><li>• Dacryocystorhinostomy</li></ul>
Pediatric otolaryngology	N/A	<ul style="list-style-type: none"><li>• Foreign body removal, ear, nose, pharynx</li><li>• Myringotomy and tube placement</li><li>• Tonsillectomy</li><li>• Adenoidectomy</li><li>• Frenuloplasty</li></ul>	<ul style="list-style-type: none"><li>• Excision congenital neck masses, all types</li><li>• Bronchoscopy, diagnostic, foreign body removal</li><li>• Esophagoscopy with foreign body removal</li></ul>	<ul style="list-style-type: none"><li>• Endoscopic management, laryngotracheal stenosis</li><li>• Choanal atresia repair</li><li>• Otoplasty</li><li>• Tracheostomy, age under 2 years</li></ul>	<ul style="list-style-type: none"><li>• Laryngotracheal reconstruction, open</li><li>• Lymphangioma excision</li><li>• Management subglottic hemangioma</li><li>• Excision juvenile nasopharyngeal angiofibroma</li></ul>
Plastic and Reconstructive surgery	<ul style="list-style-type: none"><li>• Suturing of uncomplicated lacerations</li></ul>	<ul style="list-style-type: none"><li>• Closed reduction, mandible fracture</li><li>• Closed reduction, nasal fracture</li><li>• Excision skin lesions, primary closure</li></ul>	<ul style="list-style-type: none"><li>• Reduction facial fractures, nasal, malar, orbital blowout, mandible, frontal</li><li>• Pedicle flap procedure, local</li><li>• Split and full thickness skin grafts</li><li>• Repair complex facial lacerations</li><li>• Scar revision</li></ul>	<ul style="list-style-type: none"><li>• Rhinoplasty, closed</li><li>• Pedicle flap procedure, regional</li><li>• Reconstruction external ear</li><li>• Tissue expander placement, removal</li><li>• Eyelid weight placement</li><li>• Brow lift</li><li>• Rhytidectomy</li></ul>	<ul style="list-style-type: none"><li>• Pedicle flap procedure, myocutaneous</li><li>• Rhinoplasty, open</li><li>• Microsurgical free flap</li><li>• Blepharoplasty</li><li>• Facial nerve graft or repair</li><li>• Facial reanimation procedures</li><li>• Cleft palate. Cleft lip repair</li></ul>

**Table 3**

**Practice-based Learning and Improvement (PBLI):** Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.

Residents are expected to:	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Identify strengths, deficiencies, and limits in one's knowledge and expertise; set learning and improvement goals; perform appropriate learning activities	Yes	Yes	Yes	Yes	Yes
Systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement	Participate	Participate	Present at multi-disciplinary tumor board	Organize tumor board & present at M&M	Organize tumor board & present at M&M
Incorporate formative evaluation feedback into daily practice; use information technology to optimize learning	Yes	Yes	Yes	Yes	Yes
Locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems	Learn search strategies	Use information resources effectively	Learn critical appraisal techniques	Assimilate and apply evidence to patient care	Assimilate and apply evidence to patient care
Participate in the departmental Grand Rounds program	Attend and learn format	Case report and topic review	Evidence-based presentations	Evidence-based presentations	Invite speakers* and organize program
Participate in monthly journal club	Learn critical appraisal	Learn critical appraisal	Master critical appraisal	Master critical appraisal	Organize and teach
Participate in the education of patients, families, students residents, and other health professionals	Participate in team	Participate in team	Develop independence	Serve as role model	Serve as role model
Research expectations	Co-Investigator	Case report	Chart review	Planned, protocol-driven research	Present and publish research

\*Invitations to invited speakers should be issued at least 6 months in advance, with a "cc" to the relevant attending

**Table 4**

**Interpersonal and Communication Skills:** Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health

Residents are expected to:	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds	Participate with supervision	Participate with supervision	Greater independence	Continued improvement	Team leader and mentor to junior residents
Communicate effectively with physicians, other health professionals, and health related agencies	Participate with supervision	Participate with supervision	Greater independence	Continued improvement	Team leader and mentor to junior residents
Work effectively as a member or leader of a health care team or other professional group	Work effectively as team member	Work effectively as team member	Improve leadership	Prepare for role as chief resident	Team leader
Act in a consultative role to other physicians and health professionals	Gather information and present	Gather information and present	Formulate plan with supervision	Increased independence	Mastery
Maintain comprehensive, timely, and legible medical records	Yes	Yes	Yes	Yes	Yes

**Table 5**

**Professionalism:** Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

Residents are expected to:	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Demonstrate compassion, integrity, and respect for others	Yes	Yes	Yes	Yes	Yes
Demonstrate responsiveness to patient needs that supersede self-interest	Awareness	Awareness	Progressive implementation	Progressive implementation	Mastery
Demonstrate respect for patient privacy and autonomy	Yes	Yes	Yes	Yes	Yes
Demonstrate accountability to patients, society, and the profession	Accountability to patients; self-mastery	Accountability to patients; self-mastery	Serve as role model for team, department	Role model at regional and national meetings	Role model at regional and national meetings
Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation	Self-mastery	Self-mastery	Serve as role model	Serve as role model	Serve as role model



**Table 6**

**Systems-based Practice:** Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

Residents are expected to:	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Work effectively in various health care delivery settings and systems relevant to their clinical specialty	Work effectively at Maimonides and UHB/KCHC	Work effectively at Lenox Hill/MEETH and UHB/KCHC	Work effectively at NYPBM and UHB/KCHC	Work effectively at Maimonides, UHB/KCHC, NYPBM, Maimonides, and Lenox Hill/MEETH	Mastery
Coordinate patient care within the health care system relevant to their clinical specialty	Participate in team	Participate in team	Coordinate with supervision	Progressive responsibility	Mastery
Incorporate considerations of cost awareness and risk-benefit analysis in patient and or population-based care as appropriate	Understand and consider	Understand and consider	Incorporate	Incorporate	Incorporate
Work in interprofessional teams to enhance patient safety and improve patient care quality	Attend dept. M&M; Program evaluation committee	Attend dept. M&M; Program evaluation committee	Present at dept. M&M; Program evaluation committee; Residency Selection Committee	Present at dept. M&M; Program evaluation committee; Residency Selection Committee	Lead and present at dept. M&M; Program evaluation committee; Residency Selection Committee
Participate in identifying system errors and implementing potential system solutions	—	Patient Safety Committee at KCHC	Residents Fellows Subcommittee of GMEC at UHB	Residents Fellows Subcommittee of GMEC at UHB	Root Cause Analyses (prn)
Advocate for quality patient care and optimal patient care systems	Yes	Yes	Yes	Yes	Yes
Be familiar with ethical, socioeconomic, and medico-legal issues that affect the provision of quality and cost-effective care and the utilization of resources within the health care system; the provision of quality and cost-effective otolaryngology care within the context of the health care system; and the use of resources of that health care system, other medical specialists, information technology, CME, and ongoing analysis of clinical outcomes to ensure such care					

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## MEDICAL STUDENT PROGRAM AND OPPORTUNITIES

The Department of Otolaryngology has a strong commitment to medical student education and to exposing students to the field as early as possible during medical school. The following opportunities are available:

**Introduction to Clinical Medicine:** During the first year the department participates in the airway course along with the departments of emergency medicine and anesthesia. Residents and attendings also attend the anatomy lab sessions dedicated to head and neck dissection.

**Career Exposure Elective (first & second year students):** Students observe basic operative procedures and techniques of history and physical examination in general otolaryngology and pediatric otolaryngology. Students observe residents and attending physicians in the clinic setting and operating room. Students have the opportunity to attend departmental Grand Rounds at SUNY Downstate Medical Center, morbidity and mortality sessions, multidisciplinary tumor board conferences, and other conferences.

### Third Year Clerkship Program via the Department of Surgery

Third year students will follow the daily schedule of the residents, seeing patients with them and attending the departmental conferences. All students must attend the rotation every day for the full day unless they have prior permission from the supervising attending to be absent. They are required to read in depth about diseases or clinical problems and be prepared to discuss these with the supervising attending or resident. Each student makes a 10-minute case presentation at the completion of his/her clerkship. Students will be assessed by their supervising attendings based on their attendance, professional behavior, self-directed learning, and progress toward achieving the objectives of the rotation. It is expected that the attending will seek input into the assessment from the residents or fellows on the service.

**Core Year (MS3) Elective in Otolaryngology:** Third year students complete a 2-week elective shadowing an attending in the outpatient offices and participating in operating room procedures. They also participate in all teaching conferences including weekly grand rounds at SUNY Downstate Medical Center.

**Elective in Fourth Year:** Fourth year students may take a 2 or 4-week elective in either general otolaryngology or pediatric otolaryngology. The experience includes participation in daily teaching rounds and work rounds with attendings and residents involved in inpatient care, participating in the operating room procedures, working in the ambulatory clinics, participating in all teaching conferences including weekly grand rounds at SUNY Downstate Medical Center, weekly head-and-neck tumor journal club at Kings County Hospital Center and other conferences. Each 4-week student makes a 10-minute case discussion and literature review at the final grand rounds during the rotation. Guidance is provided in the preparation of this presentation.

### Elective Goals

While the above electives each have different schedules and levels of responsibility, the goals and objectives remain very similar. The successful student will hopefully begin to investigate and study the following by completion of his or her elective:

1. The specifics and nuances of the ENT History and Physical Examination.
2. Differential diagnosis formulation in patients with problems of the head and neck region.
3. Criteria for appropriate referral to an Otolaryngologist.

Basic understanding of the most commonly encountered problems of the head and neck region, including otitis media and otitis externa, sinusitis, adenotonsillar disease, head and neck cancer, upper airway obstruction, and hearing loss.

**Otolaryngology Club:** Since its founding in 2016, the ENT/Otolaryngology Club has served to bring information and opportunities from the field to the Downstate student body. Over the past six years, the club has hosted faculty lecture series on topics ranging from congenital airway anomalies to facial reconstructive surgeries. It has provided students with practical skills and educational sessions pertaining to otolaryngology, including sessions on suturing, talks on the processes and indications for flap procedures, and practical sessions using plastic models to perform cricothyrotomies. It has also connected students with prominent faculty within the field, allowing them to observe these practical skills as they are implemented on the hospital floor and in the operating room. The ENT/Otolaryngology Club has a long-standing tradition of community outreach, working with Downstate's ENT clinic to coordinate free cancer screenings each April in honor of Oral, Head and Neck Cancer Awareness Week (OHANCAW).

**Research Opportunities:** Students who would like to explore research opportunities, either during the summer or during the academic year, are encouraged to contact the departmental office for further information.

**Reading:** The department has prepared a textbook, *Essentials of Otolaryngology* (edited by Frank E. Lucente, MD and Gady Har-El, MD) which is now in its fifth edition. This text is oriented toward medical students and primary care practitioners. In addition to the English edition, it has been published in Italian, Spanish and Turkish.

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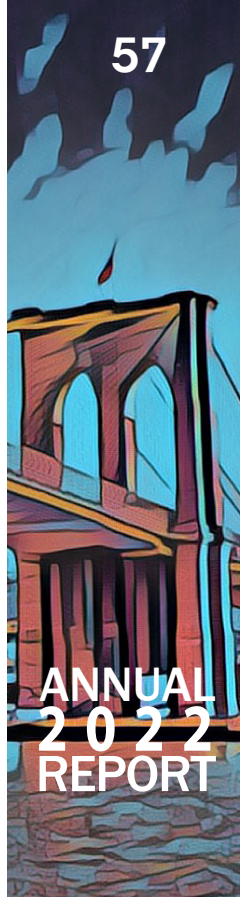
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**Career Advisors:** All senior faculty members have offered to serve as faculty advisors. Students who would like to explore the field and obtain more information are invited to contact Nicole Fraser, Educational Coordinator (718-270-1638) who can set up appointments with Nira Goldstein, MD, MPH (coordinator of medical student programs) and Richard M. Rosenfeld, MD, MPH, MBA (departmental chairman).

**Lifestyle Medicine:** Richard Rosenfeld is faculty advisor for the College of Medicine Lifestyle Medicine Interest Group and the Downstate Initiative for Nutrition Empowerment (DINE).

**Committee on Plant-based Health and Nutrition:** Chaired by Richard Rosenfeld, the committee offers medical students, residents, faculty, and staff a unique forum to collaborate on diverse issues related to healthy eating and plant-forward nutrition.

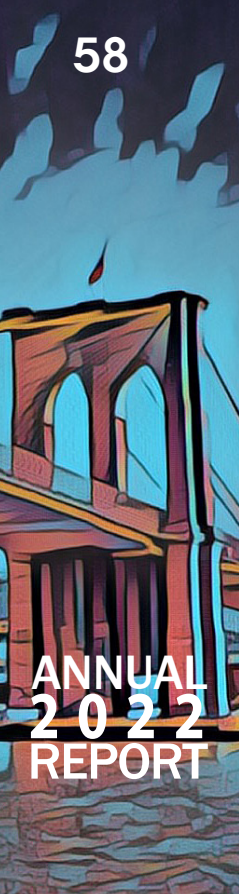


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## TEMPORAL BONE SURGICAL DISSECTION LABORATORY

The Temporal Bone Laboratory is an important aspect of Otolaryngology Training. Continuous education in the intricacies of temporal bone anatomy and surgical technique is extremely important in the practice of otology. Our new State-of-the-art Temporal Bone Lab at Downstate is now up and running and a going concern. It is located in room B7-39 of the SUNY Basic Science Building, immediately next to Dr. Hanson's academic office. This lab features dissection stations from Global Surgical Corporation, including eight new microscopes and drills, with an additional two-headed pro-sector station and video monitors. The lab is intended as a specialty-wide surgical education resource and will include instruments for microvascular training and soft-tissue repair. The lab is used for frequent courses and educational sessions, and unlike our previous lab located in our old offices at 134 Atlantic, this lab will be accessible 24 hours a day to the residents for opportunities for independent drilling and study. Dr. Samuel Marquez of the Department of Anatomy works closely with us to secure a steady supply of specimens. We are planning to install two work stations with equipment suitable for virtual temporal bone dissection to supplement the study of cadaveric material. The lab contains items of historical interest, including items from the lab of Dr. Dorothy Wolff and dissections done by Dr. Julius Lempert, the founder of modern otology and a Downstate graduate. Funding for the lab was provided by the College of Medicine and the University President, and a charitable account raised additional money to make the project a reality.

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SUNY Downstate Health Sciences University – Department of Otolaryngology presents

# The Annual FRANK E. LUCENTE ALUMNI AND RESIDENT RESEARCH DAY

Thursday, June 2, 2022 ★ 10:00 AM to 4:30 PM

SUNY Downstate Health Sciences University ★ Alumni Auditorium, 395 Lenox Road

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## KEYNOTE SPEAKER



**Michael Setzen MD, FACS, FARS, FAAP**  
Clinical Professor of Otolaryngology  
Weill Cornell Medical College  
Past President-American Rhinologic Society (ARS)  
Past Chair Board of Governors-American Academy of  
Otolaryngology-Head & Neck Surgery (AAO-HNS)  
Chief Rhinology Section-North Shore University  
Hospital (Northwell)- Manhasset, NY

### ACCREDITATION STATEMENT

The State University of New York (SUNY) Downstate Health Sciences University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

SUNY Downstate Health Sciences University designates this Live activity for a maximum of "3 AMA PRA Category 1 Credit™". Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Disclosure Statement

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### ADA Statement

Special Needs: In accordance with the Americans with Disabilities Act, SUNY Downstate Health Sciences University seeks to make this conference accessible to all. If you have a disability which might require special accommodations, please contact or e-mail your needs to: [nicole.fraser@downstate.edu](mailto:nicole.fraser@downstate.edu)

For details please contact Nicole Fraser at  
(718) 270-1638 or [Nicole.Fraser@downstate.edu](mailto:Nicole.Fraser@downstate.edu)

## ALUMNI SPEAKER



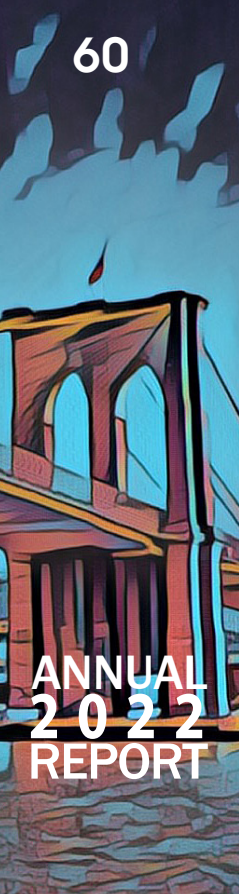
**Ramon A. Franco, Jr., MD**  
Associate Professor of Otolaryngology  
Head and Neck Surgery, Harvard Medical School  
Medical Director, Voice and Speech Laboratory  
Mass. Eye and Ear

<https://felresearchday22.eventbrite.com>



DEPARTMENT OF

# OTOLARYNGOLOGY



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## FRANK E. LUCENTE ALUMNI AND RESIDENT RESEARCH DAY

June 2, 2022

- 9:15 Breakfast
- 10:00 Welcome Remarks – **B Bentsianov**
- 10:05 Introduction – **R Rosenfeld**
- 10:10 Introduction – **F Lucente**
- 10:15 “Balloon Dilation From the Eustachian Tubes to the Sinuses” – **M Setzen**
- 11:00 “Serial Intralesional Steroid Injections for the Treatment of Subglottic Stenosis - 13 years later.” – **R Franco**
- 11:45 Outcomes and Management of Infants who Refer Newborn Hearing Screening – **Sam Schild (PGY-5)**
- 11:57 Outcomes of Endoscopic Endonasal Surgery for Skull-base Chondrosarcoma: A Systematic Review – **Rahul Gulati (PGY4)**
- 12:09 **Lunch**
- 12:54 Generating Symmetric Movement with Stimulation of the Facial Nerve in a Rat Model – **Stephanie Tominaga (PGY-3)**
- 1:06 Creation of a device for the dynamic treatment of facial nerve paralysis - **Jennifer Liang (PGY-3)**
- 1:18 Chronic auricular chondritis: Dangers of a rare bacterial etiology – **Matthew Adams (PGY-1)**
- 1:30 A single-cell atlas of the human middle turbinate – **Fasil Mathews (PGY-3)**
- 1:42 “Head and Neck Cancer Nutrition Status: Utilizing EPIC to Improve Patient Care.” – **Ryan Tabtabai (PGY5)**
- 1:54 “Tonsil Riots & Vaccine Hesitancy: A 100 Year Legacy of Medical Mistrust” – **James Alrassi (PGY-2)**
- 2:06 **Break**
- 2:18 Assessment of Swallowing Function in Healthy Adults While Using High - Flow Nasal Cannula – **Alexander Graf (PGY-2)**
- 2:38 A Comparison of Intra-Oral and Extra-Oral Surgical Approaches to Sialorrhea: A Systematic Review and Meta-Analysis – **Michael Weber (PGY-4)**
- 2:50 “Septoplasty: A Great Procedure but not that Easy” – **M. Setzen**
- 3:20 Alumni Panel Discussion – “Do I really need a fellowship?”  
Moderator: **R Franco**  
Panelists: Jason Wasserman (2016); Elizabeth Floyd (2017); Lee Kaplowitz (2018)
- 4:05 Closing Remarks – **B Bentsianov**



## ABSTRACTS FOR RESIDENT PRESENTATIONS 2022

### Title: RISK ASSESSMENT IN MAJOR HEAD AND NECK ONCOLOGIC SURGERY

**Investigators:** Rachel Irizarry MD, Jennifer Liang MD, Lousette Saint Victor MPH, Lori A. Hoepner DrPH, Natalya Chernichenko MD

**Faculty Mentor:** Natalya Chernichenko MD

**Outcome objective:** To analyze and compare the predictive value of pre-operative risk assessment measures on post-operative adverse events in the uniquely susceptible population of head and neck cancer patients undergoing major oncologic surgery.

**Methods:** A retrospective cohort analysis was performed using the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP) database from 2007 to 2017. Surgically treated head and neck cancer patients (n=4371) were identified then stratified by age, American Society of Anesthesiologist physical status (ASA) classification, modified 5-item frailty index (mFI-5) score, and American College of Surgeons morbidity probability score (MORBPROB). Rates of adverse events defined as post-operative complications, reoperation, readmission, and length of stay were then analyzed.

**Results:** An increase in MORBPROB and ASA class significantly increased odds of post-operative complications across all age groups whereas the mFI-5 association was limited to ages 41-79 (p<0.05). MORBPROB showed a statistically significant relationship with length of stay and reoperation across all age groups (p<0.05) whereas ASA class significance was limited to ages 41-79 (p<0.05). On multivariate regression analysis MORBPROB was the best predictor of post-operative complications, reoperation, and length of stay ( $\beta$  8.47,  $\beta$  5.20, and  $\beta$  41.05; respectively, p<0.001). There was no significant association between MORBPROB, ASA, or mFI-5 and readmission or age group and any adverse event.

**Conclusion:** Age alone is not a significant predictor of surgical adverse events. MORBPROB is a promising surgical risk assessment measure for head and neck cancer patients.

### Title: OUTCOMES AND MANAGEMENT OF INFANTS WHO REFER NEWBORN HEARING SCREENING

**Investigators:** Sam D. Schild MD; Matthew A. Mendelsohn, BA; Ann Plum, MD; Nira A. Goldstein MD, MPH

**Faculty Mentor:** Dr. Nira A. Goldstein MD, MPH

**Outcome Objectives:** With the implementation of Universal Newborn Hearing Screening, early diagnosis and referral to audiology/otolaryngology has been expedited. Many patients who refer screening pass subsequent testing with either repeat otoacoustic emissions (OAE) or auditory brainstem response (ABR). The objective of our study was to identify the incidence and etiology of hearing loss in infants who refer initial testing in an urban, tertiary care pediatric otolaryngology practice.

**Methods:** We performed a chart review of infants who were evaluated after referring newborn hearing screening from 2017-2021. Data collected included birth history, hospital screening results, subsequent audiology and otolaryngology visit findings, final hearing diagnoses, interventions and outcomes.

**Results:** Of the 450 patients, 84.7% (n=381) had normal hearing bilaterally after repeat testing (OAE and/or ABR). The final diagnosis was the following: normal (83.3%, 95% CI 79.6-86.7), otitis media with effusion (OME) (4%, 95% CI 2.4-6.3), unknown (3.3%, 95% CI 1.9-5.5), cerumen/OME (2.7%, 95% CI 1.4-4.6), sensorineural hearing loss (SNHL) (2%, 95% CI 0.9-3.8), cerumen/vernix (1.8%, 95% CI 0.8-3.5), cerumen/SNHL (0.7%, 95% CI 0.1-1.9), cerumen/unknown (0.7%, 95% CI 0.1-1.9), cerumen/OME/SNHL (0.4%, 95% CI 0.1-1.6), microtia/atresia (0.2%, 95% CI 0.0-1.2), other/unknown (0.2%, 95% CI 0.0-1.2), OME/SNHL/other (0.2%, 95% CI 0.0-1.2), OME/SNHL (0.2%, 95% CI 0.0-1.2), and OME/unknown (0.2%, 95% CI 0.0-1.2). Of the 16 patients with SNHL, 3 had genetic syndromes and one had congenital cytomegalovirus. 15 (3.3%) underwent myringotomy with tube placement, 8 (1.8%) were fitted with hearing aids, one child had a soft band/BAHA (0.2%), and one child (0.2%) had a cochlear implant. Follow up time, excluding patients who only had one repeat audiology screen, was 42 days (range: 1-3656).

**Conclusion:** Our incidence of permanent hearing loss was 3.6%, compared to rates of 0.44 to 68% in the published literature. Most patients had normal hearing, usually identified after only one repeat test.

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## ABSTRACTS FOR RESIDENT PRESENTATIONS 2022

OME requiring myringotomy tube insertion was the most common pathology requiring intervention. Close observation for resolution and intervention, if warranted, is critical to prevent sequelae.

### **Title: OUTCOMES OF ENDOSCOPIC ENDONASAL SURGERY FOR SKULL-BASE CHONDROSARCOMA: A SYSTEMATIC REVIEW**

**Investigators:** Prayag Patel ; Rahul Gulati, MD ; Christina Fang, MD ; James K Liu, MD ; Jordon Grube, DO ; Jean Anderson Eloy, MD, FACS, FARS

**Outcome Objectives:** Technical advances in endoscopic, endonasal approaches (EEA) to the clivus have allowed the median endonasal corridor to be used in the management of skull-base chondrosarcomas. Here, we systematically review the literature to report the surgical outcomes of such an approach.

**Methods:** An electronic search of PubMed, EMBASE and Web of Science was conducted. We included studies describing surgical outcomes of purely endoscopic, endonasal approaches for skull-base chondrosarcomas arising from the clivus or cranio-cervical junction. We performed dual, independent data extraction for outcomes of extent-of-resection (EOR), tumor recurrence during the follow-up period, resolution/improvement of preoperative cranial nerve neuropathies, post-operative complications including CSF leak and new cranial nerve neuropathies.

**Results:** 6 studies comprising of 74 patients who underwent EEA for skull-base chondrosarcomas met the final selection criteria. The average age of the patients was 45.6 years with majority of the patients being female (52.8%). 23 (31.1%) patients were undergoing surgery for recurrence. Cranial nerve (CN) VI was noted to be the most common pre-operative neuropathy (61.3%). Gross-total resection (GTR) was obtained in the majority of the patients (70.2%) of the tumor while a sub-total resection (STR) was achieved in 8 patients. Post-operatively 6 patients (12.2%) had a CSF leak that required a surgical intervention while 81.9% had resolution of their pre-operative CN VI palsy. On the average follow-up duration of 32.4 months, 83.3% of patients who achieved a GTR had no recurrence. 54.5% of patients who obtained a near-total resection (NTR) underwent adjuvant therapy and had no further progression of disease while 80% of patients who obtained a STR underwent adjuvant therapy and had no disease on follow-up.

**Conclusion:** The preliminary results of this study suggest that EEA, in experienced hands, can achieve GTR of skull-base chondrosarcomas with resolution or improvement of preoperative cranial nerve neuropathies and low rates of post-operative CSF leaks. Adjuvant therapy remains a viable option for patients who have residual tumor left after EEA although data on this is limited suggesting the need for larger well-developed, randomized trials with longer follow-up periods.

### **Title: GENERATING SYMMETRIC MOVEMENT WITH STIMULATION OF THE FACIAL NERVE IN A RAT MODEL**

**Investigators:** Stephanie Tominaga, MD; Adam Daniels; Christy Joseph

**Faculty Mentor:** Ofer Azoulay, MD; Richard Kollmar, PhD; Mark Stewart MD, PhD

**Outcome Objectives:** To detect facial nerve stimulation during movement of an intact side, and generate a simultaneous stimulus for a transected facial nerve to produce symmetric whisker movement.

**Methods:** The proximal facial nerve was first identified bilaterally and the left facial nerve was transected proximally. The intact nerve and the distal transected nerve were connected to electrodes, with one side as the stimulator and one the amplifier. Whisker movement was recorded with a camera at 480fps.

**Results:** Symmetric whisker movement was observed when using an electrical impulse from an intact facial nerve in order to generate a signal impulse in a transected facial nerve.

**Conclusion:** The rat model and experimental design created in this study demonstrates recording and stimulating techniques of facial nerve activity, which can be translated to future studies investigating symmetric movement in facial nerve paralysis.

## ABSTRACTS FOR RESIDENT PRESENTATIONS 2022

**Title:** CREATION OF A DEVICE FOR THE DYNAMIC TREATMENT OF FACIAL NERVE PARALYSIS

**Investigators:** Jennifer Liang MD, Stephanie Tominaga MD

**Faculty Mentors:** Richard Kollmar PhD, Mark Stewart MD PhD, Ofer Azoulay MD

**Outcome Objectives:** Our goal is to demonstrate for the first time using a rat model that it is possible to stimulate a facial nerve that has recovered from injury to produce movement that is spatially and temporally symmetric to a movement on the contralateral uninjured side. We aim to eventually develop a bionic device which can improve outcomes after facial reanimation surgery. This device would track facial nerve activity on the unaffected side and use this signal to stimulate nerve branches innervating the facial muscles on the affected side to produce robust and consistent symmetric facial movement.

**Methods:** By recording facial nerve activity from the intact side and using this activity to drive patterned stimulation of the repaired nerve, we will restore symmetrical movement of the face. Our recording-stimulation method will be applied to two groups of animals: (1) rats at different points of recovery from facial nerve crush injury and (2) rats at different time points of recovery after facial nerve transection with end-to-end repair of the distal facial nerve and ipsilateral hypoglossal nerve. We will study functional recovery of both baseline facial tone and dynamic whisking ability. Additionally, we will perform histological analysis to identify relevant cellular characteristics such as level of myelination or axonal density, which may give insight as to why certain models are better suited for bionic stimulation.

**Results / Conclusion:** Pending funding from grant approval

**Title:** CHRONIC AURICULAR CHONDRIITIS: DANGERS OF A RARE BACTERIAL ETIOLOGY

**Investigators:** Matthew D. Adams, MD; Ryan M. Kong, BS; Maxwell Holtman, MD; Luis Tatem, MD; Frank E. Lucente, MD; Sydney C. Butts, MD

**Faculty Mentor:** Sydney C. Butts, MD

**Outcome Objectives:**

- To present an unusual case of anaerobic bacteria causing chondritis and chronic abscess of the ears
- To demonstrate the role of surgical management in cases resistant to empiric antibiotics or with progression of the infectious process despite them
- To recognize the dangers of piercings of the ear cartilage and the patient safety concerns associated with poor sterilization of instruments that may be used during these procedure

**Methods:** Case report and literature review

**Results:** A 61-year-old female patient presented with six months of pain, erythema, and mucoid drainage involving the superior helix, scapha, and antihelix of both ears following superior helix piercings. Symptoms failed to resolve with numerous antibiotic courses by outside providers. Debridement of both ears showed a turbid fluid collection and cartilage resorption. Cultures yielded *Actinomyces israelii* and *Bacteroides vulgatus*. Piercing of the helical cartilage can lead to infection usually caused by staphylococcus or *Pseudomonas aeruginosa*. Actinomycosis is a rare, chronic bacterial infection usually caused by the anaerobe *Actinomyces israelii*. Infections are marked by slowly progressive lesions that evolve to chronic abscesses with draining fistulae. To our knowledge, there have been no case reports describing actinomycosis infection following ear cartilage piercing. A 6-12 month course of a penicillin-based antibiotic is required in combination with debridement.

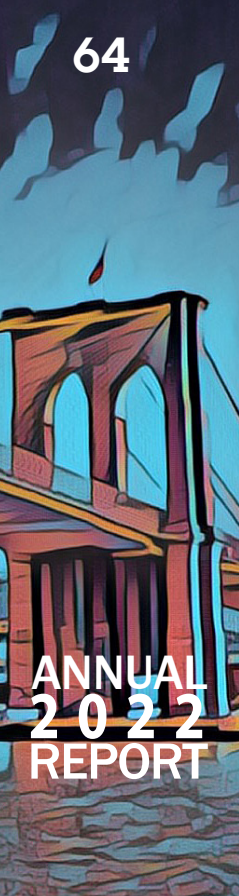
**Conclusion:** Actinomycosis infection of the ear developed in a patient after prolonged courses of non-culture directed antibiotics. This case highlights continued challenges around good antibiotic stewardship which could result in more virulent bacterial infections and significant morbidity when involving the ear.

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## ABSTRACTS FOR RESIDENT PRESENTATIONS 2022

### **Title: A SINGLE-CELL ATLAS OF THE HUMAN MIDDLE TURBINATE**

**Investigators:** Fasil Mathews, MD

**Faculty Mentor:** Oleg Evgrafov, PhD; Marina Boruk, MD

**Outcome Objectives:** Single cell RNA-sequencing (scRNA-seq) of the middle turbinate was performed to create the first single cell transcriptome catalog of this part of the human body. As more targeted molecular approaches to the management of chronic sinonasal disease are being explored, elucidation of the cellular makeup of the middle turbinate will provide a foundation for future research in the pathogenesis and medical treatment of sinonasal disease.

**Methods:** Samples were obtained from the head of the middle turbinate from healthy volunteers. After the specimen was prepared per lab protocol, cells were dissociated, suspended, and counted. Single cell libraries were then prepared according to the 10x Genomics protocol. Sequencing data were processed using Cell Ranger, and hierarchical clustering of differential gene expression was performed using Loupe and Seurat. Using known markers and data from other single cell studies, cell types were then annotated.

**Results:** 28 clusters of sinonasal cells were identified and annotated as 19 unique cell types, including basal cells, serous and mucinous acinar cells, ciliated cells, and various lymphoid cells.

**Conclusion:** This atlas provides the first comprehensive depiction of the cellular composition of the middle turbinate. By uncovering the cellular stratification of gene expression profiles in healthy middle turbinate epithelium, the groundwork has been laid for further investigation into the molecular pathogenesis and targeted gene therapy of sinonasal disease.

### **Title: HEAD AND NECK CANCER NUTRITION STATUS: UTILIZING EPIC TO IMPROVE PATIENT CARE**

**Investigators:** Ryan Tabtabai MD, MPH, Rahul Gulati MD, Nader Mohamed BS, Natalya Chernichenko MD

**Faculty Mentor:** Natalya Chernichenko MD

**Outcome Objectives:** Kings County Hospital provides head and neck cancer care to a large population of underserved residents of Brooklyn. Recent literature suggests that the nutrition status of patients with head and neck cancer is a significant factor in quality of life and plays a role in wound healing and overall prognosis. Patients with head and neck cancer are at high risk for poor nutritional status due to the location of the primary tumor along the upper aerodigestive tract leading to surgical and radiation therapy treatments that can have immense impact on swallowing. Adequate nutritional screening and support is now recognized as the standard of care for patients with head and neck cancer. We sought to improve our nutritional screening and referral to nutrition services within our head and neck cancer clinic at Kings County Hospital.

**Methods:** This is a quality improvement project conducted at Kings County Hospital head and neck cancer clinic. We designed and utilized an EPIC EHR smartphrase to be implemented within our KCHC clinic to make screening patients for poor nutritional status more efficient. Malnutrition was defined as one of the following: 1) clinically significant odynophagia resulting in inability to take oral nutrition, 2) loss of  $\geq$  5% weight in 1 month, 3) loss of  $\geq$  10% weight in 6 months. Patients who met the criteria for malnutrition then were checked to make sure they had been seen by nutrition services within the last 30 days, or had an active referral. Sequential patients seen within 6 months prior to the implementation of the smartphrase will be compared to those seen within 6 months following. Outcome measures are BMI, nutrition service utilization, and rate of malnutrition which will be compared using matched-pair analysis.

**Results:** Data analysis is ongoing. It is our hope that rate of malnutrition will be significantly lower and the rate of nutrition service utilization will be significantly higher within the group of patients seen following the implementation of the smartphrase when compared to those seen prior.

**Conclusion:** Nutrition status is a key factor in patient care, especially for patients diagnosed with head and neck cancer. We have a responsibility to effectively screen for, and provide treatment of, malnutrition within our patient population.

## ABSTRACTS FOR RESIDENT PRESENTATIONS 2022

**Title:** "TONSIL RIOTS & VACCINE HESITANCY: A 100 YEAR LEGACY OF MEDICAL MISTRUST"

**Investigators:** James Alrassi, James Cochran

**Faculty Mentor:** Richard Rosenfeld

**Outcome Objectives:** Understand the 1906 tonsil riots and its implications for our present pandemic

**Methods:** Literature review

**Results:** The tonsillectomies by the NYC Board of Health were done without proper informed consent, and without a socioeconomic understanding of their patient population

**Conclusion:** The events of 1906 described above showcase how a single incident based on inherent mistrust of the medical system, compounded by ineffective communication and cultural insensitivity, can produce even greater mistrust for the future. As the United States attempts to combat the COVID-19 pandemic through mass vaccination campaigns, keeping in mind our past failures will equip us with an awareness needed to sensitively communicate and promote better trust with our public and patients.

**Title:** ASSESSMENT OF SWALLOWING FUNCTION IN HEALTHY ADULTS WHILE USING HIGH-FLOW NASAL CANNULA

**Investigators:** Alexander Graf MD (1) Department of Otolaryngology, SUNY Downstate; Sara Abu-Ghanem MD (1); Kabu Chawla MD (2) Pulmonary & Critical Care, Maimonides Medical Center; William Pascal MD (2)

**Faculty Mentor:** Sara Abu-Ghanem MD

**Outcome Objectives:** 1) Investigate the influence of airflow delivered via High-Flow Nasal Cannula (HFNC) on swallowing function using objective measures of swallowing function; 2) Identify at what rate of HFNC increases the risk of aspiration in a cohort of healthy adult patients

**Methods:** HFNC flow rates that permit safe swallowing, while providing the patient with adequate respiratory support, have not been clearly established and require further investigation. Healthy volunteers that met inclusion criteria underwent Fiberoptic Endoscopic Evaluation of Swallowing (FEES) while on HFNC. FEES is a safe, recognized, validated, and widely used technique to assess the pharyngeal phase of swallowing to diagnose dysphagia and assess swallowing safety and efficacy. Each round of testing was conducted using three consistencies: thin liquids, nectar liquids, and semi-solids. Six rounds of testing was performed at the following rates: 0, 20, 30, 40, 50, 60 LPM. Swallowing was assessed at each consistency at each flow rate by licensed Speech-Language Pathologists using the penetration-aspiration scale (PAS) and The Yale Pharyngeal Residue Severity Rating Scale. Analysis of the data collected herein will help determine safe flow rates of HFNC that reduce the risk of aspiration while on a by mouth diet.

**Results:** Results pending. Data collected on 8 subjects to date.

**Conclusion:** Conclusion pending. We hypothesize that laryngeal penetration is associated with higher rates of HFNC.

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**Title:** A COMPARISON OF INTRA-ORAL AND EXTRA-ORAL SURGICAL APPROACHES TO SIALORRHEA: A SYSTEMATIC REVIEW AND META-ANALYSIS

**Investigators:** Michael Weber, MD; Sam Schild, MD; Ryan Tabtabai, MD, MPH; Richard M. Rosenfeld, MD, MPD, MBA; Ann W. Plum, MD

**Faculty Mentor:** Ann Plum, MD

**Introduction/Objectives:** Chronic sialorrhea affects children with neurodevelopmental disorders and may require submandibular duct rerouting (SMDR), sublingual gland excision (SLGE), submandibular duct ligation (SMDL), or submandibular gland excision (SMGE). This study aims to compare these surgical approaches and their outcomes.

**Methods:** Following PRISMA reporting standards, we performed a systematic review of English-language articles via Pubmed, Web of Science, and EMBASE evaluating children with chronic sialorrhea managed with SMDR, SMDR with SLGE, SMDL, or SMGE. Two independent investigators assessed study eligibility, risk of bias, and extracted data for analysis, including application of a previously utilized global outcome score.

**Results:** Of 2,953 studies identified, 22 case series and one randomized controlled trial from 1998 to 2019 met inclusion criteria, with a combined sample size of 940 patients. Forty-one patients underwent SMDL, 112 underwent SMGE, and 787 underwent SMDR, some combined with SLGE. Based on a pooled random effects analysis, good to excellent control of sialorrhea symptoms occurred after SMGE in 80% (95% CI, 58-92%), after SMDR in 70% (95% CI, 62-78%), and after SMDL in 61% (95% CI, 47-73%). The better outcomes after SMGE were not statistically different from the other groups, but the marginal P value (0.055) and broad confidence intervals suggest low statistical power. A significant between group effect ( $P=0.007$ ) of good to excellent was identified for patients receiving SMDR with SLGE in some (80%, 95% CI 70-87%) or all patients (79%, 95% CI 63-89%) compared to patients who only had SMDR (60%, 95% CI 51-68%). Complications were infrequent and varied, though ranula formation may be reduced with SLGE.

**Conclusions:** We identified a high incidence of good to excellent global outcomes for surgical management of chronic sialorrhea in children, with a significant improvement for SMDR with SLGE vs. SMDR alone. Additional research is needed to see if the possible superiority of SMGE over intraoral approaches suggested by our analysis is supported by comparative studies with adequate statistical power.



## GRAND ROUNDS 2020-2021

CONFERENCE	DATE	TIME	SPEAKER
ACGME Core Competency and Residency Issues: Residency Goals and Objectives	7/2/20	6:30-7:00	Richard Rosenfeld, MD
Transoral Robotic Surgery	7/8/21	7:00-7:50	Ofer Azoulay, MD
Deep Neck Space Infection	7/8/21	8:00-8:50	Ann Plum, MD
Multidisciplinary Head and Neck Tumor Board	7/8/21	9:00-9:50	
Escalation Policy	7/15/21	6:30-7:00	Nira Goldstein, MD
Auditory Physiology	7/15/21	7:00-7:50	Matthew Hanson, MD
Vestibular Physiology	7/15/21	8:00-8:50	Richard Rosenfeld, MD
Medical Student Presentations	7/22/21	6:30-7:00	
Quality Improvement Conference	7/22/21	7:00-7:50	Sydney Butts, MD
Therapeutic uses of Botulinum Toxin/Local Flaps and Grafts for Facial Reconstruction	7/22/21	8:00-8:50	Sydney Butts, MD
Multidisciplinary Head and Neck Tumor Board	7/22/21	9:00-9:50	
Research Grid	7/22/21	6:30-7:00	Nira Goldstein, MD
Middle Ear Anatomy	7/29/21	7:00-7:50	Michal Preis, MD
Introduction to Audiograms	7/29/21	8:00-8:50	John Weigand, AuD
New Innovations, Surgical Case Logs	8/5/21	6:30-7:00	Richard Rosenfeld, MD
How to Review Journal Articles	8/5/21	7:00-7:50	Richard Rosenfeld, MD
Thyroid and Parathyroid Disorders	8/5/21	8:00-8:50	K. Sundaram, MD
New Innovations Duty Hours Entry	8/12/21	6:30-7:00	Nira Goldstein, MD
Introduction to Rhinology	8/12/21	7:00-7:50	Marina Boruk, MD
Introduction to Laryngology	8/12/21	8:00-8:50	Boris Bentsianov, MD
Managing Time for Peak Performance	8/19/21	6:30-7:00	Richard Rosenfeld, MD
Endoscopic Ear Surgery/Eustachian Tube Dysfunction	8/19/21	7:00-7:50	Michal Preis, MD
Orbital Fractures	8/19/21	8:00-8:50	Nickisa Hodgson, MD
Core Clinical: Orbital Vascular Malformations	8/26/21	6:30-7:00	Rahul Gulati, MD
Quality Improvement Conference	8/26/21	7:00-7:50	Sydney Butts, MD
Introduction to Laryngology: Part 2	8/26/21	8:00-8:50	Sara Abu-Ghanem, MD
Multidisciplinary Head and Neck Tumor Board	8/26/21	9:00-9:50	
Patient Care, Work Hours	9/2/21	6:30-7:00	Richard Rosenfeld, MD
Management of cholesteatoma in view of up-to-date technologies and the knowledge on middle ear aeration potential	9/2/21	7:00-7:50	Michal Luntz, MD
Autoimmune Hearing Loss	9/2/21	8:00-8:50	S. Tominaga, MD
CORE Grants	9/9/21	6:30-7:00	Richard Kollmar, PhD
An Expert's Guide to Tympanostomy Tubes	9/9/21	7:00-7:50	Richard Rosenfeld, MD
Journal Club	9/9/21	8:00-8:50	Richard Rosenfeld, MD
Multidisciplinary Head and Neck Tumor Board	9/9/21	9:00-9:50	

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Yom Kippur – Grand Rounds Cancelled	9/16/21		
ACGME Related Discussion - Fatigue Management	9/23/21	6:30-7:00	Nira Goldstein, MD
Quality Improvement Conference	9/23/21	7:00-7:50	Sydney Butts, MD
COCLIA	9/23/21	8:00-8:50	All Residents
Multidisciplinary Head and Neck Tumor Board	9/23/21	9:00-9:50	
Core Clinical – Nasal Bone Fractures	9/30/21	6:30-7:00	James Alrassi, MD
“Creating a Culture of Safety at University Hospital of Brooklyn”	9/30/21	7:00-7:50	Jameela Yusuff, MD
Mock Orals	9/30/21	8:00-8:50	ENT Residents
Practice Based Learning, Medical Knowledge	10/7/21	6:30-7:00	Richard Rosenfeld, MD
Otology Education and Training During Residency	10/7/21	7:00-7:50	Maja Syrakic, MD
Facial Nerve Meeting	10/7/21	8:00-8:50	Ofer Azoulay, MD
Otology Imaging Review	10/14/21	6:30-7:00	Matthew Hanson, MD
Geriatric Otolaryngology	10/14/21	7:00-7:50	K. Parham, MD, PhD
Journal Club	10/14/21	8:00-8:50	Richard Rosenfeld, MD
Multidisciplinary Head and Neck Tumor Board	10/14/21	9:00-9:50	
ACGME Discussion: Overview of Epidemiologic Study Designs	10/21/21	6:30-7:00	Nira Goldstein, MD
Vestibular Disorders	10/21/21	7:00-7:50	S. Chandrasekhar, MD
Otology Potpourri	10/21/21	8:00-8:50	S. Chandrasekhar, MD
Core Clinical: Special Considerations in Rhinoplasty in the Asian Population	10/28/21	6:30-7:00	S. Tominaga, MD
Quality Improvement Conference	10/28/21	7:00-7:50	Sydney Butts, MD
Disorders of the External Ear	10/28/21	8:00-8:50	James Alrassi, MD
Multidisciplinary Head and Neck Tumor Board	10/28/21	9:00-9:50	
Core Clinical: Pediatric Sialorrhea	11/4/21	6:30-7:00	Hunter Hopkins, MD
Coclia: Subglottic or Glottic Stenosis	11/4/21	7:00-7:50	ENT Residents
Incident Reporting	11/4/21	8:00-8:50	W. Nyarko, RN, JD
Veteran's Day – Grand Rounds Cancelled	11/11/21		
Medical Student Presentation	11/18/21	6:30-6:40	
Research Grid Review	11/18/21	6:40-7:00	Nira Goldstein, MD
QI Conference	11/18/21	7:00-7:50	Sydney Butts, MD
Journal Club	11/18/21	8:00-8:50	Richard Rosenfeld, MD
Thanksgiving Day – Grand Rounds Cancelled	11/25/21		
Multidisciplinary Head & Neck Symposium	12/2/21		
Pediatric focused case review	12/9/21	6:30-7:00	ENT Residents
3D printing in medicine and surgery	12/9/21	7:00-7:50	Lee Smith, MD
Journal Club	12/9/21	8:00-8:50	Richard Rosenfeld, MD
Grand Rounds Cancelled - Residency Interviews	12/16/21		
Core Clinical: Management of OSA beyond T+A	12/23/21	6:30-7:00	Alexander Graf, MD
Quality Improvement Conference	12/23/21	7:00-7:50	Sydney Butts, MD

Management of Recurrent of Respiratory Papillomatosis	12/23/21	8:00-8:50	Fasil Mathews, MD
Multidisciplinary Head and Neck Tumor Board	12/23/21	9:00-9:50	
Business of Medicine: Getting paid for what you do	12/30/21	6:30-7:00	Richard Rosenfeld, MD
Quality, guidelines, and sub-certification in complex pediatric otolaryngology	12/30/21	7:00-7:50	David Tunkel, MD
Pierre Robin Sequence	12/30/21	8:00-8:50	Ann Plum, MD
Mock Orals	12/30/21	9:00-9:50	ENT Residents
Otolaryngology Residency Interviews -Grand Rounds Cancelled	1/6/22		
Residency Goals and Objectives	1/13/22	6:30-7:00	Nira Goldstein, MD
Demystifying Medical Marijuana	1/13/22	6:30-7:00	Lauren Brown, MD
Journal Club	1/13/22	8:00-8:50	Richard Rosenfeld, MD
Multidisciplinary Head and Neck Tumor Board	1/13/22	9:00-9:50	
Rhinology lecture by dr. Richard Harvey (video)	1/13/22	7:00-7:50	Marina Boruk, MD (Moderator)
Etiology and therapeutic strategies to Common pediatric illnesses	1/20/22	8:00-8:50	Nira Goldstein, MD
Facial Nerve Meeting	1/20/22	6:30-7:00	Ofer Azoulay, MD
Core Clinical: Hypoglossal Nerve Simulations	1/27/22	6:30-7:00	Fasil Mathews, MD
Quality Improvement Conference	1/27/22	7:00-7:50	Sydney Butts, MD
Unilateral Sinusitis	1/27/22	8:00-8:50	Hunter Hopkins, MD
Multidisciplinary Head and Neck Tumor Board	1/27/22	9:00-9:50	
How to Create Your Own Job	2/3/22	6:30-7:00	
Keloid Treatments and Current Research	2/3/22	7:00-7:50	Lamont Jones, MD
Congenital Inner Ear Malformations	2/3/22	8:00-8:50	Michael Weber, MD
Focused plastics in-service review: review of fillers, peels, and local flaps	2/10/22	6:30-7:00	Sydney Butts, MD
The patient experience in a high reliability organization	2/10/22	7:00-7:50	Wren Lester, PhD
Journal Club	2/10/22	8:00-8:50	Richard Rosenfeld, MD
Quarterly Faculty Meeting – Grand Rounds Cancelled	2/17/22		
Laryngology: overview documentation/coding/ Billing standards	2/17/22	6:30-7:00	Sara Abu-Ghanem, MD
In-service Review	2/17/22	7:00-9:00	ENT Residents
Core Clinical: Management of button Battery ingestion	2/24/22	6:30-7:00	Jennifer Liang, MD
Quality Improvement Conference	2/24/22	7:00-7:50	Sydney Butts, MD
Botulinum toxin use in otolaryngology	2/24/22	8:00-8:50	Alexander Graf, MD
Multidisciplinary Head and Neck Tumor Board	2/24/22	9:00-9:50	
Lip reconstruction after cancer excision	3/3/22	6:30-7:00	Sydney Butts, MD
Rhinoplasty complications and management	3/3/22	7:00-7:50	Rahul Gulati, MD
Journal Club	3/3/22	8:00-8:50	Richard Rosenfeld, MD



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Department of Otolaryngology Retreat -Grand Round Cancelled	3/10/22	6:30-7:00	Nira Goldstein, MD
Research Grid Review	3/17/22	7:00-7:50	Nira Goldstein, MD
Soft Tissue Lab – Part 1	3/17/22	7:00-9:00	Sydney Butts, MD
Core Clinical: Smoke inhalation injury	3/24/22	6:30-7:00	Sean Mooney, MD
Quality Improvement Conference	3/24/22	7:00-7:50	Sydney Butts, MD
“Hair We Go” – A Brief Look Into Non-Surgical and Hair Restoration	3/24/22	8:00-8:50	Keimun Slaughter, MD
Multidisciplinary Head and Neck Tumor Board	3/24/22	9:00-9:50	
Wound healing and scar management: how To optimize results	3/31/22	7:00-7:50	Jessica Sordino, MD
Facial Nerve Meeting	3/31/22	8:00-8:50	Ofer Azoulay, MD
Business of Medicine – Part 1	4/7/22	6:30-7:00	Boris Bentsianov, MD
Business of Medicine – Part 2	4/7/22	7:00-7:50	Boris Bentsianov, MD
Coclia: Swallowing disorders Boris Bentsianov, MD	4/7/22	8:00-8:50	Sara Abu-Ghanem, MD
Core Clinical: Vestibular testing	4/14/22	6:30-7:00	Michael Weber, MD
Communication Support & Strategies for Head & Neck Cancer Treatment (Augmentative And Alternative Communication)	4/14/22	7:00-8:00	T. Altschular, MA, CCC-SLP
Journal Club	4/14/22	8:00-8:50	Richard Rosenfeld, M
Multidisciplinary Head and Neck Tumor Board	4/14/22	9:00-9:50	
Engaging in Medical Societies for Personal Satisfaction and Career Advancement	4/21/22	6:30-7:00	Richard Rosenfeld, MD
Cervical Spine Disease Effects on Pharyngeal	4/21/22	7:00-7:50	Ashli O’Rourke, MD, MS
Management of Subglottic Stenosis	4/21/22	6:30-7:00	Jennifer Liang, MD
Quality Improvement Conference	4/22/22	7:00-7:50	Sydney Butts, MD
Laryngopharyngeal Reflux Management	4/22/22	8:00-8:50	Jennifer Liang, MD
Otology Imaging/Case Review	4/28/22	6:30-7:00	Matthew Hanson, MD
Quality Improvement Conference	4/28/22	7:00-7:50	Sydney Butts, M
Mock Orals	4/28/22	8:00-8:50	Ann Plum, MD
Multidisciplinary Head and Neck Tumor Board	4/28/22	9:00-9:50	
Quarterly Faculty Meeting – Grand Rounds Cancelled	5/5/22		
Practical pathology review for surgeons	5/5/22	6:30-7:00	Ryan Tabtabai, MD
Case Review: Head & Neck Pathology Case Review	5/5/22	7:00-7:50	Ryan Tabtabai, MD
COCLIA: Tumor biology of head and Neck cancer	5/5/22	8:00-8:50	All Residents
Resident Review: Early Glottic Cancer Endoscopic Techniques	5/12/22	6:30-7:00	Gady Har-El, MD
“Regional flaps for head and neck construction, it is not all about free flaps”	5/12/22	7:00-7:50	Ofer Azoulay, MD
Journal Club	5/12/22	8:00-8:50	Richard Rosenfeld, MD
Multidisciplinary Head and Neck Tumor Board	5/12/22	9:00-9:50	
“Insurance for Physicians: Malpractice, Disability, Life, and Long-term Care”	5/19/22	6:30-7:00	Richard Rosenfeld, MD

History of Otolaryngology Head & Neck Surgery and Local Free Flap Reconstruction	5/19/22	7:00-7:50	K. Sundaram, MD
Coclia: Neck Dissection	5/19/22	8:00-8:50	Deborah Reede, MD
Statistics review for residents	5/26/22	6:30-7:00	Richard Kollmar, PhD
QI Conference	5/26/22	7:00-7:50	Sydney Butts, MD
Immunotherapy for Head & Neck Cancers	5/26/22	8:00-8:50	Sean Mooney, MD
Multidisciplinary Head and Neck Tumor Board	5/26/22	9:00-9:50	
Annual Frank E. Lucente Alumni and Resident Research Day	6/2/22		
"History of Surgery: A hands on Session"	6/9/22	6:30-7:00	Richard Rosenfeld, MD
"Regional flaps for head and neck reconstruction, It is not all about free flaps"	6/9/22	7:00-7:50	Ofer Azoulay, MD
Radiation Therapy for head and neck cancers	6/9/22	8:00-8:50	Sewit Teckie, MD
Multidisciplinary Head and Neck Tumor Board	6/9/22	9:00-9:50	
Brainstorming session for QI projects	6/16/22	6:30-7:00	Nira Goldstein, MD
"De-escalation in HPV related oropharyngeal cancer: any progress?"	6/16/22	7:00-7:50	Brett Miles, DDS, MD
Journal Club	6/16/22	8:00-8:50	Richard Rosenfeld, MD
Medical Student Presentations	6/23/22	6:30-7:00	
Quality Improvement Conference	6/23/22	7:00-7:50	Sydney Butts, MD
Head & Neck Imaging Review	6/23/22	8:00-8:50	Deborah Reede, MD
Multidisciplinary Head and Neck Tumor Board	6/23/22	9:00-9:50	
Department of Otolaryngology Resident Orientation	6/30/22	7:00-9:50	



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# OTOLARYNGOLOGY RESIDENTS

## Fifth Year Otolaryngology



**Rahul Gulati, MD**  
**College:** Rutgers University  
**Medical School:** Rutgers New Jersey Medical School - 2018  
**Internship:** SUNY Downstate Health Sciences University - 2018



**Michael Weber, MD**  
**College:** CUNY Brooklyn College  
**Medical School:** State University of New York Downstate Medical Center College - 2018  
**Internship:** SUNY Downstate Health Sciences University - 2018

## Third Year Otolaryngology



**James Alrassi, MD**  
**College:** State University of New York at Stony Brook - 2016  
**Medical School:** Renaissance School of Medicine at Stony Brook - 2020  
**Internship:** SUNY Downstate Health Sciences University - 2020



**Sean Mooney, MD**  
**College:** University of California, Los Angeles - 2013  
**Medical School:** SUNY - Downstate Health Sciences University - 2020  
**Internship:** SUNY Downstate Health Sciences University - 2020

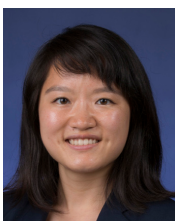


**Alexander Graf, MD**  
**College:** University of Pennsylvania - 2015  
**Medical School:** Sidney Kimmel Medical College at Thomas Jefferson University - 2020  
**Internship:** SUNY Downstate Health Sciences University - 2020

## Fourth Year Otolaryngology



**Stephanie Tominaga, MD**  
**College:** Cornell University - 2009  
**Medical School:** University of South Florida - 2019  
**Internship:** SUNY Downstate Health Sciences University - 2019



**Jennifer Liang, MD**  
**College:** University of Pennsylvania - 2012  
**Medical School:** Boston University School of Medicine - 2019  
**Internship:** SUNY Downstate Health Sciences University - 2019

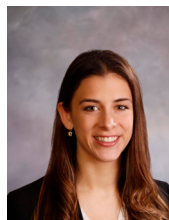


**Fasil Mathews, MD**  
**College:** University of Pittsburgh - 2015  
**Medical School:** University of Pittsburgh School of Medicine - 2019  
**Internship:** SUNY Downstate Health Sciences University - 2019

## Second Year Otolaryngology



**Matthew Adams, MD**  
**College:** Pennsylvania State University - 2016  
**Medical School:** Geisinger Commonwealth School of Medicine - 2021  
**Internship:** SUNY - Health Science Center at Brooklyn - 2021



**Hailey Juszcak, MD**  
**College:** Stanford University - 2015  
**Medical School:** University of California, San Francisco, School of Medicine - 2021  
**Internship:** SUNY - Health Science Center at Brooklyn - 2021



**Billy Yang, MD**  
**College:** Cornell University - 2015  
**Medical School:** SUNY - Health Sciences Center at Brooklyn, College of Medicine - 2021  
**Internship:** SUNY - Health Science Center at Brooklyn - 2021

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**Incoming Residents**

(starting July 1, 2022)

**Pames Cochran, MD****College:** Rensselaer Polytechnic Institute -2017**Medical School:** State University of New York Downstate Medical Center College of Medicine**Internship:** SUNY – Health Science Center at Brooklyn –2022**Matthew Mendelsohn, MD****College:** Emory University - 2017**Medical School:** State University of New York Downstate Medical Center College of Medicine**Internship:** SUNY – Health Science Center at Brooklyn –2022**Michele Wong, MD****College:** Linfield College - 2012**Medical School:** State University of New York Downstate Medical Center College of Medicine**Internship:** SUNY – Health Science Center at Brooklyn –2022**Graduating Residents****Ankit Kansal, MD****Sam Schild, MD****Ryan Tabtabai, MD**ANNUAL  
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## ANNUAL DEPARTMENTAL PHOTOGRAPHS



**Front Row** (L to R): Stephanie Tominaga, MD, Resident; Natalya Chernichenko, MD Faculty; Ankit Kansal, MD, Resident; Richard M. Rosenfeld, MD, Distinguished Professor and Past Chairman; Nira Goldstein, MD, Faculty; Ann Plum, MD, Faculty; Sydney Butts, MD, Interim Chair; Marina Boruk, MD, Faculty  
**Second Row** (L to R): Jennifer Liang, MD, Resident; Ryan Tabtabai, MD, Resident; Sam Schild, MD, Resident; James Alrassi, MD, Resident;  
**Third Row** (L to R): Alexander Graf, MD, Resident; Fasil Mathews, MD, Resident; Krishnamurthi Sundaram, MD, Faculty; Sara Abu Ghanem, MD, Faculty  
**Fourth Row** (L to R): Matthew Adams, MD, Resident; Billy Yang, MD, Resident; Matthew Hanson, MD, Faculty; Michael Weiss, MD, Faculty; Boris Bentsianov, MD, Faculty; Rahul Gulati, MD, Resident



(L to R): Sam Schild, MD, Graduating Resident; Nira Goldstein, MD, Program Director; Ryan Tabtabai, MD, Graduating Resident; Richard M. Rosenfeld, MD, Distinguished Professor and Past Chairman; Ankit Kansal, MD, Graduating Resident

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Graduating Residents (L to R): Sam Schild, MD; Ryan Tabatabai, MD; and Ankit Kansal, MD



Before  
Grand Rounds...



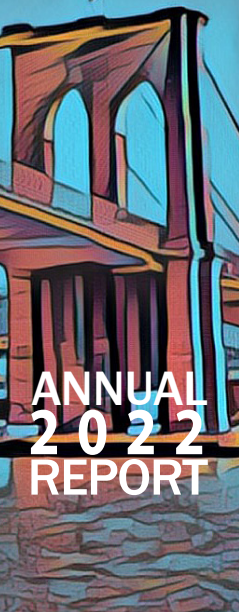
...After  
Grand Rounds

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## 2022-2023 Resident Rotation Schedule

**DEPARTMENT OF OTOLARYNGOLOGY  
RESIDENT ROTATION SCHEDULE  
ACADEMIC YEAR 2022-2023**

	KCHC/SUNY	LENOX HILL /MEETH	RESEARCH*	<u>2022</u> MAIMO	NYPBM
JULY	GULATI LIANG GRAF ADAMS YANG	TOMINAGA JUSZCZAK	ALRASSI	MATHEWS	WEBER MOONEY
AUGUST	GULATI LIANG GRAF ADAMS YANG	TOMINAGA JUSZCZAK	ALRASSI	MATHEWS	WEBER MOONEY
SEPTEMBER	GULATI LIANG GRAF ADAMS JUSZCZAK	TOMINAGA YANG	ALRASSI	MATHEWS	WEBER MOONEY
OCTOBER	WEBER LIANG GRAF ADAMS JUSZCZAK	TOMINAGA YANG	ALRASSI	MATHEWS	GULATI MOONEY
NOVEMBER	WEBER MATHEWS MOONEY YANG JUSZCZAK	LIANG ADAMS	GRAF	TOMINAGA	GULATI ALRASSI
DECEMBER	WEBER MATHEWS MOONEY YANG JUSZCZAK	LIANG ADAMS	GRAF	TOMINAGA	GULATI ALRASSI

**DEPARTMENT OF OTOLARYNGOLOGY  
RESIDENT ROTATION SCHEDULE  
ACADEMIC YEAR 2022-2023**

	KCHC/SUNY	LENOX HILL /MEETH	RESEARCH*	<u>2023</u> MAIMO	NYPBM
JANUARY	GULATI MATHEWS MOONEY YANG ADAMS	LIANG JUSZCZAK	GRAF	TOMINAGA	WEBER ALRASSI
FEBRUARY	GULATI MATHEWS MOONEY YANG ADAMS	LIANG JUSZCZAK	GRAF	TOMINAGA	WEBER ALRASSI
MARCH	GULATI TOMINAGA ALRASSI JUSZCZAK ADAMS	MATHEWS YANG	MOONEY	LIANG	WEBER GRAF
APRIL	WEBER TOMINAGA ALRASSI JUSZCZAK ADAMS	MATHEWS YANG	MOONEY	LIANG	GULATI GRAF
MAY	WEBER TOMINAGA ALRASSI JUSZCZAK YANG	MATHEWS ADAMS	MOONEY	LIANG	GULATI GRAF
JUNE	WEBER TOMINAGA	MATHEWS ADAMS	MOONEY	LIANG	GULATI GRAF

**DEPARTMENT OF OTOLARYNGOLOGY  
RESIDENT ROTATION SCHEDULE  
ACADEMIC YEAR 2022-2023**

**PGY-1 2022-2023 SCHEDULE**

	<u>7/1-7/10</u>	<u>7/11-7/24</u>	<u>7/25-8/7</u>	<u>8/8-8/21</u>	<u>8/22-9/4</u>	<u>9/5-9/18</u>	<u>9/19-10/2</u>	<u>10/3-10/16</u>	<u>10/17-10/30</u>	<u>10/31-11/13</u>
<b>Michele Wong</b>	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-Maimo	Neurosurgery	Neurosurgery	OMFS	OMFS	Vacation	Vacation
<b>James Cochran</b>	ENT-KCHC/UHB	ENT-KCHC/UHB	Neurosurg	Neurosurg	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-Maimo	KCHC-GenSurg	KCHC-GenSurg
<b>M. Mendelsohn</b>	Neurosurg	Neurosurg	ENT-KCHC/UHB	ENT-KCHC/UHB	KCHCGenSurg	KCHCGenSurg	SICU	SICU	ENT-Maimo	ENT-Maimo
	<u>11/14-11/27</u>	<u>11/28-12/11</u>	<u>12/12-12/25</u>	<u>12/26-1/8</u>	<u>1/9-1/22</u>	<u>1/23-2/5</u>	<u>2/6-2/19</u>	<u>2/20-3/5</u>	<u>3/6-3/19</u>	<u>3/20-4/2</u>
<b>Michele Wong</b>	KCHC-GenSurg	KCHC-GenSurg	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-Maimo	SICU	SICU	Anes	Anes
<b>James Cochran</b>	OMFS	OMFS	KCHCGenSurg	KCHCGenSurg	Anes	Anes	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-Maimo
<b>M. Mendelsohn</b>	ENT-Maimo	ENT-Maimo	OMFS	OMFS	KCHCGenSurg	KCHCGenSurg	Anes	Anes	Vacation	Vacation
	<u>4/3-4/16</u>	<u>4/17-4/30</u>	<u>5/1-5/14</u>	<u>5/15-5/28</u>	<u>5/29-6/11</u>	<u>6/12-6/25</u>				
<b>Michele Wong</b>	ENT-UHB/KCHC	ENT-UHB/KCHC	KCHCGenSurg	KCHCGenSurg	ENT-Maimo	ENT-Maimo				
<b>James Cochran</b>	SICU	SICU	ENT-UHB/KCHC	ENT-UHB/KCHC	Vacation	Vacation				
<b>M. Mendelsohn</b>	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-Maimo	ENT-KCHC/UHB	ENT-KCHC/UHB				

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**OTOLARYNGOLOGY**

## RESIDENCY EXPERIENCE

### FIRST YEAR OF OTOLARYNGOLOGY / SURGICAL TRAINING (PGY-1)

The PGY-1 year in otolaryngology includes clinical and didactic activities that prepare residents to (a) assess, plan, and initiate treatment of adult and pediatric patients with surgical and/or medical problems, (b) care for patients of all ages with surgical and medical emergencies, multiple organ system trauma, soft tissue wounds, nervous system injuries and disease, and peripheral vascular and thoracic injuries, (c) care for critically-ill surgical and medical patients in the intensive care unit and emergency room settings, (d) participate in the pre-, intra-, and post-operative care of surgical patients, and (e) understand surgical anesthesia in hospital and ambulatory care settings, including anesthetic risks and the management of intra-operative anesthetic complications.

The training in this year is managed by the Departments Otolaryngology in coordination with the Departments of Surgery, Anesthesiology, Oral and Maxillofacial Surgery and Neurosurgery. This year includes the following rotations, as mandated by the ACGME Program Requirements for Graduate Medical Education in Otolaryngology:

1. Six months of otolaryngology rotations.
2. Rotations selected from anesthesia, general surgery, neurological surgery, oral-maxillofacial surgery, pediatric surgery and plastic surgery. The total time for each non-otolaryngology rotation must be at least four weeks but must not exceed two months.
3. One month of an intensive care rotation.

Rotations take place at KCHC, UHB, Maimonides as described below:

- KCHC rotations: otolaryngology, general surgery, critical care unit (SICU), neurosurgery, oral and maxillofacial surgery (OMFS)
- UHB rotations: otolaryngology, general surgery, pediatric surgery, anesthesia
- Maimonides: otolaryngology

### TYPICAL PROCEDURES PERFORMED DURING PGY-1

- physical examination
- ACLS (Advanced Cardiac Life Support)
- ATLS (Advanced Trauma Life Support)
- oxygen administration
- bag-valve mask device usage
- closed chest compression
- oropharyngeal and nasopharyngeal airways
- phlebotomy
- peripheral intravenous lines
- Foley catheter placement
- arterial blood gas sampling
- nasogastric tube placement
- thoracentesis
- central line placement
- lumbar puncture
- management of a lumbar drain
- basic wound management
- incision and drainage of simple abscesses, including peritonsillar
- basic suturing of uncomplicated (non-facial, non-hand) lacerations
- splinting of strains and sprains
- flexible nasal and nasopharyngeal endoscopy
- flexible laryngoscopy
- fine needle aspiration in the neck
- insertion and management of tracheotomy tubes
- foreign body removal from the ear, nose and pharynx
- anterior and posterior nasal packing

### SECOND YEAR OF OTOLARYNGOLOGY / SURGICAL TRAINING (PGY-2)

This year includes 6 two-month rotations, four two-month rotations at Kings County Hospital Center/ University Hospital of Brooklyn and two two-month rotations at the Lenox Hill Hospital/MEETH. This PGY-2 year is directed to the development of clinical abilities, the taking of otolaryngological histories, performing physical examinations, and learning special techniques, leading to the identification and treatment of common conditions encountered in otolaryngology. The resident participates in the outpatient clinical care of both pediatric and adult populations and also participates in specialty clinics, such as pediatric, otology, and head and neck oncology.

The Basic Science Program, during the first two months of the resident year, reinforces basic science application to the clinical practice of otolaryngology-head and neck surgery. The lectures, in addition to temporal bone dissection and head and neck gross anatomy dissection, are provided by full-time and part-time faculty of otolaryngology and other medical school faculty. An introduction to hearing and speech evaluation/therapy is provided by the audiology and speech faculty.



### TYPICAL SURGICAL PROCEDURES PERFORMED DURING PGY-2

- Closed Reduction Nasal Fracture
- Intranasal Antrotomy
- Excision Preauricular Sinus
- Turbinectomy
- Tracheotomy
- Myringotomy and Tube
- Split Thickness Skin Graft
- Full Thickness Skin Graft
- Excision Skin Lesions, Primary Closure
- Direct Laryngoscopy – Diagnostic
- Direct Laryngoscopy and biopsy
- Laryngoscopy with Excision
- Reduction Facial Fractures
- Mandibular Fracture Reduction – Closed
- Adenoidectomy
- Tonsillectomy
- T & A

### THIRD YEAR OF OTOLARYNGOLOGY / SURGICAL TRAINING (PGY-3)

This year includes one four-month rotation at the Kings County Hospital Center, one four-month rotation at Methodist and four months of research. Increasing responsibilities are reflected in performing inpatient consultations, and in teaching of medical students and residents of other programs. Broad clinic patient responsibility and refinement of diagnostic and treatment skills are continued in the junior year.

Knowledge of work-up and differential diagnosis for complex diseases related to otolaryngology is required, such as acoustic neuroma, Ménière's disease, diseases of the thyroid gland, allergy mediated disease, and unknown primary cancer of the head and neck. Residents gain experience in open reduction of facial fractures, removal of foreign bodies from the upper aerodigestive tract, pediatric endoscopy and laser procedures, tympanoplasty, excision of salivary glands, frontal and ethmoid sinus surgery, regional skin flaps, radical neck dissection, total laryngectomy, and cosmetic facial surgery.

### TYPICAL SURGICAL PROCEDURES PERFORMED DURING PGY-3

- Endoscopic Maxillary Antrostomy and Ethmoidectomy
- Excision of Cysts (Globulomaxillary, Nasoalveolar)
- Tympanoplasty –Type 1
- Thyroglossal Duct Cyst Excision
- Congenital Cyst Excision
- Partial Neck Dissection
- Submandibular Gland Excision
- Lip Shave
- Hemiglossectomy, simple
- Excision other Nasopharyngeal Tumor
- Lip Wedge Resection, 1o Closure
- Local Resection Cancer Mouth
- Incision & Drainage Neck Abscess
- Cervical Lymph Node Biopsy
- Repair Complex Facial Lacerations
- Reduction Facial Fractures – Nasal
- Reduction Facial Fractures – Malar
- Reduction Facial Fractures – Orbital Blowout
- Reduction Facial Fractures – Mandibular-open
- Pedicle Flap Procedures – Local
- Pedicle Flap Procedures – Regional
- Endoscopic Sinus Surgery
- Nasal Polypectomy
- Caldwell Luc
- Esophagoscopy – Diagnostic with Foreign Body Removal
- Esophagoscopy – Diagnostic with Structure Dilation
- Bronchoscopy – Diagnostic
- Panendoscopy (Multiple Concurrent Endoscopic Procedures)

### FOURTH YEAR OF OTOLARYNGOLOGY / SURGICAL TRAINING (PGY-4)

This year includes one four-month rotation at Maimonides Medical Center, one four-month rotation at Kings County Hospital Center and one four-month rotation at Lenox- Hill – MEETH. The resident has substantial responsibility in administration and in teaching junior otolaryngology residents. Also, at this stage, he or she develops knowledge and experience with various medical and surgical complications and their management.

The fourth-year otolaryngology resident is in charge of performing elective and emergency in-house consultations. The resident also develops awareness of rehabilitation techniques and procedures pertaining to otolaryngology. During this year, the resident gains more experience with parotidectomy, modified neck dissection, composite resection, sphenoethmoidectomy, mastoidectomy, stapedectomy, endolymphatic sac shunt, maxillectomy, rhinoplasty, rhytidectomy, blepharoplasty, otoplasty, correction of congenital deformities, facial nerve decompression, and removal of nasopharyngeal tumors.

The PGY-4 resident is expected to use the experience of this year to prepare for the Chief Resident experience.

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**TYPICAL SURGICAL PROCEDURES PERFORMED DURING PGY-4**

- Canaloplasty
- Tympanoplasty II-IV (without Mastoidectomy)
- Modified Radical Mastoidectomy
- Simple Mastoidectomy
- Transnasal approach to the sella
- Closure of Pharyngostome
- Transantral Ligation of Vessels
- Oroantral Fistula Repair
- Choanal Atresia Repair
- Uvulopalatopharyngoplasty
- Excision of Simple Tumor of Nose
- Cricopharyngeal Myotomy
- Tissue Expander, placement and management
- Lingual Tonsillectomy
- Pedicle Flap Procedures-Myocutaneous
- Lymphangioma excision
- Parathyroidectomy
- Thyrotomy (Laryngofissure)
- Vertical Hemilaryngectomy
- Supraglottic Laryngectomy
- Pharyngeal Diverticulectomy
- Modified Neck Dissection, primary
- Excision with Flap Reconstruction
- Lateral Rhinotomy
- Superficial Parotidectomy
- Composite Resection of Primary in Floor of Mouth, Alveolus, Tongue, Buccal Region
- Tonsillectomy, radical
- Mandibular Resection (independent procedure)
- Excision Pinna
- Surgical Speech Fistula Creation
- Arytenoidectomy, Arytenoidopexy
- Thyroid Lobectomy
- Subtotal Thyroidectomy
- Total Thyroidectomy
- Cervical Esophagostomy for Feeding
- Major Vessel Ligation
- Branchial Cleft Cyst Excision
- Vocal Cord Injection
- Laser Laryngoscopy
- Bronchoscopy-Diagnostic with Foreign Body Removal
- Bronchoscopy-Diagnostic with Stricture Dilation
- Dermabrasion
- Brow Lift
- Liposuction
- Reduction Facial Fractures – Frontal
- Otoplasty
- Rhinoplasty
- Mentoplasty
- Blepharoplasty
- Maxilla-Le Fort I
- Maxilla – LeFort II
- Rhytidectomy
- Scar Revision
- Frontoethmoidectomy
- External Ethmoidectomy
- Frontal Sinus Trephine
- Endoscopic Sinus Surgery with sphenoidotomy and frontal sinusotomy

**FIFTH YEAR OF OTOLARYNGOLOGY / SURGICAL TRAINING (PGY-5)**

This year includes a six-month rotations at New York Methodist Hospital (administrative chief resident) and a six-month rotations at Kings County Hospital Center/University Hospital at Brooklyn. The chief resident has administrative responsibility for all aspects of patient care. The resident gains wide exposure to the following concepts: chemotherapy and radiation therapy for treatment of patients with cancer of the head and neck, cancer immunology laryngotracheal reconstruction and skull base surgery. The chief resident develops broad experience with the following surgical procedures: partial and total laryngectomy, tracheal resection and reconstruction, total parotidectomy, parathyroidectomy, temporal bone resection, mediastinal resection, craniofacial resection, orbital decompression, neck dissection and composite resection, complicated reconstructive problems of the head, neck and face, neuro-otology (including middle cranial fossa surgery, Meniere's disease), cochlear implantation, skull base surgery, and major pediatric otolaryngological surgery.

The chief resident participates actively in teaching medical students, paramedical personnel, and junior otolaryngology residents. The chief resident also has major responsibility for assuring that the numerous consults received from other services are handled accurately and expeditiously and that attendings are fully informed and consulted on all patient care and administrative matters which occur at night and on the weekends. Chief residents also are responsible for exploring clinical research projects and stimulating other members of the team to explore research opportunities.

All Chief Residents (and PGY-4 at Maimonides and Lenox Hill) are responsible for preparation of material for monthly PI/QI conferences in the required format. This includes presentation of data on patient volume (in-patient and out-patient), on-going issues in clinic and inpatient services, interaction with other services, NYPORTS, equipment and service needs, transfusions/rational, complications, morbidities, mortalities and changes in procedures mandated by the above.

Further information about the role of the Chief Resident is included in the Chief Resident Manual, which was first prepared by Boris Bentsianov, MD, former Chief Resident, and is updated annually.

**TYPICAL SURGICAL PROCEDURES PERFORMED DURING PGY-5**

- Total Parotidectomy with facial nerve preservation
- Parapharyngeal Space Tumor Excision
- Rhinectomy
- Maxillectomy
- Maxillectomy with Orbital Exenteration
- Excision Tumor Ethmoid and Cribriform Plate
- Temporal Bone Resection
- Laryngopharyngectomy
- Repair Laryngeal Fracture
- Pharyngoesophagectomy
- Tracheal Resection with Repair
- Major Vessel Repair
- Parotidectomy with Nerve Graft
- Excision Angiofibroma
- Transsternal Mediastinal Dissection
- Scalene Node Biopsy
- Facial Nerve Graft, Repair or Substitution
- Microsurgical Free Flap
- Skull Base Resection – Lateral
- Excision of Paraganglioma of Neck and Skull Base
- Laryngoplasty
- Tracheoplasty
- Fascial Sling Procedures
- Pharyngeal Flap
- Mediastinoscopy
- Pharyngogastric Anastomosis (Gastric Pull-Up)
- Skull Base Resection – Anterior
- Skull Base Resection – Middle
- Temporalis Muscle Transfer
- Composite Graft
- Osteoplastic Frontal Sinusectomy
- Frontal Sinus Ablation
- Radical Pan-Sinusectomy
- Dacryocystorhinostomy
- Cleft Lip Repair
- Cleft Palate Repair
- Reconstruction Congenital Aural Atresia
- Reconstruction External Ear
- Maxilla-LeFort III
- Stapedectomy
- Facial Nerve Decompression
- Repair of Perilymphatic Fistula
- Endolymphatic Sac Operation
- Labyrinthectomy
- Resection Cerebellopontine Angle Tumor

All residents participate in the numerous educational programs of the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS) Triological Society, New York Head and Neck Society, and various New York Metropolitan residency programs. In addition, each resident is expected to have two active clinical research projects underway at any given time. The faculty provides supervision of these projects and encourages completion of manuscripts for publication and presentation at national and/or regional meetings



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**Training in Otolaryngology Allergy, and Immunology**

Training in otolaryngologic allergy and immunology includes the following:

- Combined Allergy-Rhinology Clinic at KCHC
- Participation in programs of American Academy of Otolaryngic Allergy (AAOA) (residents are encouraged to join).
- Series of lectures by the chairman on otolaryngologic aspects of AIDS.
- Close clinical working relationship with KCHC and SUNY faculty in allergy and immunology.
- Inclusion of discussion of allergic and immunologic aspects of otolaryngologic disease during routine conferences.
- Use of AAO-HNS educational material in allergy/immunology including selected SIPacs, Monographs, and Home Study Courses.
- Directed reading assignments on allergy/immunology topics.

**Training in Endocrinology**

Training in endocrinology includes the following activities:

- Extensive discussion on teaching rounds and in the operating rooms about the numerous patients who present with endocrine disorders or who require endocrine surgery.
- Special Grand Rounds lectures and conferences on topics such as thyroid disease, parathyroid disease, diabetes, etc. These conferences involved colleagues from related clinical and basic science departments.
- Numerous surgical cases are performed in conjunction with the Department of Neurosurgery which has a special interest in transsphenoidal hypophysectomy.
- Use of AAO-HNS educational materials and selected reading in endocrinology.
- Close working relationship with endocrinologists at all hospitals.

**Training in Neurology**

Training in neurology includes the following activities:

- Discussion of the neurologic aspects of various otolaryngologic disorders in the operating room, clinics, and teaching rounds.
- Close working relationship with the Department of Neurosurgery with whom a Skull Base Surgical Center has been created at UHB and with whom we perform numerous surgical procedures.
- Interactive research projects with Richard Kollmar, PhD in the Department of Cell Biology

**Organization of Teaching Services and Clinics**

The teaching service at each of the 5 sites (6 hospitals) is under the direction of a full-time staff member:

- |  |                 |
|--|-----------------|
| • University Hospital of Brooklyn:             | Sydney C. Butts |
| • Kings County Hospital Center:                | Matthew Hanson  |
| • Maimonides Medical Center:                   | Michael Weiss   |
| • NY Presbyterian Brooklyn Methodist Hospital: | N. Chernichenko |
| • Lenox Hill/ MEETH:                           | Jessica Lim     |

The attending physician is responsible for determining standards for the delivery of clinical care, defining and coordinating the intramural educational program, assuring that all institutional regulations are followed, monitoring resident progress, coordinating the activities of the attending staff and reporting promptly and accurately to the chairman on all departmental details.

The service chief recruits and supervises the attending staff, plans the intramural conference schedule, plans the operating room and clinic schedules and assures that there is a proper balance between service responsibilities and educational opportunities for the residents. All surgery is performed under attending supervision and all clinics have attending coverage. The chairman is present every week at the three major hospitals and makes periodic on-site visits to the other two hospitals. He also holds carefully structured meetings with the service chiefs from each institution bimonthly to assess the progress of clinical and educational programs.

### Basic Science Education

The Chairman, Program Director, and Associate Program Director, in conjunction with the full-time staff, the Director of Communicative Disorders and the Director of Research, have planned a multifaceted program for basic science education which includes the following:

- Introductory basic science conferences directed toward the first-, second- and third-year residents for 2 hours each week during July-September.
- Special targeted seminars are held approximately quarterly to integrate basic science and clinical topics (such as thyroid function and thyroid surgery).
- Didactic instruction in biostatistics, epidemiology, and basic science research by Richard Rosenfeld, Nira Goldstein, and Richard Kollmar.
- Monthly research conference that reviews current faculty and resident projects and monitors resident planning for the research rotation
- Protected 4-month research rotation during the PGY-3 year in which the focus on basic science aspects or research experience are stressed.
- Numerous interactive projects with colleagues in Anatomy, Physiology, and Cell Biology Departments at SUNY.
- Use of basic science educational material prepared by AAO-HNS.

Attending rounds are conducted by the Socratic method. Knowledge of basic sciences, including anatomy, physiology, biochemistry, microbiology and pathology are stressed in a way in which they can be related to direct patient care.

### Laboratory Facilities

A New York State accredited Research Laboratory is located at SUNY-Downstate and available to members of the Department of Otolaryngology.

A new temporal bone dissection laboratory that will serve as a state-of-the-art facility for the department's regular basic course in otologic surgery for the residents will be opening up at SUNY-Downstate this year.

A comprehensive animal laboratory is also located at SUNY-Downstate.

### Scientific and Academic Computing Center

The Scientific/Academic Computing Center (S/Acc) located in the Basic Science Building at SUNY, aids students, staff, and faculty by offering formal courses, information, instruction and individual consultations. The staff offers these consultations in a wide area of computer applications, including how to use the Center's computers and other facilities, statistical analysis, data acquisition, analysis techniques, research methodology, and mathematical/analytical methods.

### Rotation Schedule

<b>PGY-1 (n=3)</b>	Surgery (2 months selected from general surgery and pediatric surgery)	1 month in each of the following: Anesthesia (UHB), Critical Care (KCHC), Oral-maxillofacial surgery (KCHC), and Neurosurgery (KCHC)	Otolaryngology: 1 to 2 months at KCHC/UHB and 4 to 5 months at Maimonides
	<b>4 months</b>	<b>4 months</b>	<b>4 months</b>
<b>PGY-2 (n=3)</b>	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH
<b>PGY-3 (n=3)</b>	KCHC/UHB	NYMH	Research
<b>PGY-4 (n=3)</b>	Lenox Hill/MEETH	Maimonides	KCHC/UHB
<b>PGY-5 (n=3)</b>	Ambulatory Care/MEETH/ NYMH	NYMH	KCHC/UHB

Abbreviations:

KCHC/UHB – Kings County Hospital Center/University Hospital of Brooklyn

MEETH – Manhattan Eye, Ear and Throat Hospital

NYMH – New York-Presbyterian Brooklyn Methodist Hospital

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## DIDACTIC TEACHING PROGRAM

### Grand Rounds

Grand Rounds are held every Thursday morning at the University Hospital of Brooklyn. All house staff, students, research fellows and faculty are required to attend. The first half hour is dedicated to the discussion of various residency related topics. During the 7:00 to 8:00am hour, lectures are delivered by invited guests who are nationally known for their expertise and experience in a variety of topics. In-house speakers and faculty as well as residents present information during the 8:00 to 9:00am hour. Also, journal club occurs from 8:00 to 9:00 on the second Thursday of each month and morbidity & mortality conference occurs at 7:00am on the fourth Thursday. On the fourth Thursday, invited speakers presentations occur from 8:00 to 9:00. Biweekly Head and Neck Tumor Board is included in the schedule from 9:00 to 10:00 alternating with the COCLIA Chapter Review Sessions. Different aspects of basic sciences as related to the field of Otolaryngology-Head & Neck Surgery are presented and discussed from 7:00 to 9:00am during July and August.

### Morbidity and Mortality/Quality Improvement

Monthly departmental meetings are scheduled to discuss issues related to quality improvement, performance improvement and morbidity/mortality. This important process involves all department members in an effort to improve individual, departmental, interdisciplinary and system activities in rendering quality patient care. Focusing on the quality activities of all five affiliated hospitals provides a coherent departmental-wide program. These conferences always include a systems-based practice approach, with identification of the roles of all members of the health-care team and identification of any institutional or system issues.

### Resident Presentations

Once per year each resident gives a formal presentation on a basic science or clinical subject at Grand Rounds. The resident is expected to choose a faculty adviser to assist with topic selection, format determination and possible manuscript preparation. The presentations may be a part of a research project and submission to local, regional and national meetings.

### Otology Conference - Kings County Hospital Center

The Otology Conference takes place on a weekly basis in the office of the Department of Otolaryngology. The content of didactic and bedside teaching is based upon clinical material related to patients treated at Kings County Hospital and University Hospital of Brooklyn. The resident presents the case, and the discussion is led and supervised by the attending physician. An attempt is made to integrate the clinical material from the standpoint of diagnosis, treatment, and didactic teaching. Operative cases are presented both before and following surgery.

### Radiology and Pathology

Radiology and pathology conferences are held regularly every month within the context of the Grand Rounds conference. Basic overview of imaging and pathology as well as interesting cases in the head and neck are presented. Discussion and teaching is facilitated by experienced head and neck radiologists and pathologists.

### Combined Head and Neck Oncology

Twenty four times a year, the Departments of Oncology, Otolaryngology, Radiology, Radiation Therapy and Pathology meet to discuss recent head and neck cancer patients and selected topics in head and neck cancer. A similar conference is held weekly at New York Presbyterian Brooklyn Methodist Hospital. A combined otolaryngology/radiation oncology/medical oncology Tumor Board is held at SUNY-UHB/KCHC once a month; all head and neck cancer cases are presented for treatment planning.

### Basic Science Lecture Series

During the summer, a 9-week basic science and communicative disorders course is given for 1st, 2nd and 3rd year residents, with senior resident attendance encouraged. Held on Thursday mornings, the first hour is devoted to basic anatomic, physiologic, radiologic and pharmacologic aspects of otolaryngology - head and neck surgery. The second hour is devoted to topics in clinical otolaryngology, audiology and speech and language pathology.

### Communicative Disorders

A set of in-service meetings have been established by the Division of Communicative Disorders for the residents of otolaryngology. Topics covered include basic audiometry, immittance audiometry, evoked potentials, hearing loss, hearing aids, head and neck disorders, laryngectomy and rehabilitation and dysphagia.

### Temporal Bone Dissection Course

During each year of training, residents attend a 3 day temporal bone course. Early course work stress



anatomy and embryology, followed by intensive dissections and surgical technique practice. Dr. Matthew Hanson, Dr. Neil Sperling, and Dr. Michal Preis along with other faculty members, guide the resident through this important and valuable educational program. Temporal bones are also available for resident self-study and dissection.

#### **Anatomy/Cadaver Dissection Course**

Every spring, 2 or 3 sessions dedicated to cadaveric dissection takes place in the anatomy laboratory. The sessions are supervised by Samuel Marquez, PhD and the head and neck, rhinology and plastics/reconstructive faculty and include head and neck, sinus, skull base and flap dissections.

#### **Journal Club**

On a monthly basis, the current literature is reviewed in a journal club format. Review of the literature is important for keeping up-to-date with the ever-changing world of medicine. The Journal Club format helps residents learn how to analyze research fundamentals and new material, allowing them to draw their own conclusions. Reading the literature also helps create interest in specific research ideas and stimulates discussion and controversy.

#### **Flex Resident Study Course**

The Flex Resident Study Course, offered by AAO-HNS emphasizes both classic and current studies in otolaryngology-head and neck surgery. Course material span across all eight specialty areas. The first five specialty topics include: Chronic Rhinosinusitis with Polyps (September), Glottic and Subglottic Stenosis (October), Oropharyngeal Cancer Update 2020: HPV, Robotic surgery, and De-escalation (November); Acoustic Neuroma (January); and Pediatric OSA (February). The final three topics will include material on Practice Management (March); General Otolaryngology and Sleep Medicine (April), and Facial Plastic and Reconstructive Surgery (May).

A self-assessment examination is provided after each section and scored for credit. All residents participate in this course, with the registration fee paid by the Department of Otolaryngology at SUNY Downstate.

#### **In-Training Examination (Annual Otolaryngology Resident Training Examination)**

As part of the Bailey's Chapter Review Sessions, In-Training Examination -type questions are also reviewed. Supervision is provided by an attending who is present at the request of the resident staff and is available for consultation. Topics from past examinations are reviewed to allow more comprehensive coverage of all aspects of the specialty of Otolaryngology - Head and Neck Surgery.

#### **Mock Oral Board Examinations**

Approximately 4 times annually the department will conduct a mock oral board examination session as part of the grand rounds schedule.

#### **Special Evening Meetings**

Four times a year, the New York Head and Neck Society hosts a Wednesday evening lecture series devoted to a particular issue. Local, national and international authorities are invited to speak. All residents are invited and sponsored by our department. The residents also attend the yearly New York City Pediatric Airway Course.

Residents also attend the AO North America Maxillofacial Trauma Course as a PGY-3 or PGY-4.

#### **Additional Site Specific Conferences**

Lenox Hill, New York Methodist, Kings County Hospital and Maimonides Tumor Boards

Lenox Hill Endocrinology Tumor Board

Head and Neck Journal Club at Lenox Hill and Kings County

Cochlear Implant Conference at UHB

#### **Suggested Readings**

Specific reading requirements by training year are given under the "Medical Knowledge" competency sections in the "Goals and Objectives" document. In addition, it is expected that residents implement a systematic reading schedule to prepare for the annual Otolaryngology Training Examination each spring. The goal of the reading schedule should be to cover all material in a general otolaryngology textbook (e.g. Bailey's) at least once annually, even if only superficially. More in-depth and focused reading should occur progressively as the resident advances in training.

#### **Research Expectations**

All residents in the PGY-2 through PGY-5 years are expected to present a research project at the annual Frank E. Lucente Resident and Alumni Research Day in June.

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Research projects may consist of (a) case series and chart reviews, (b) systematic reviews or meta-analyses of the literature, (c) planned observational research, (d) survey research or projects, or (e) experimental research (basic science or clinical trials).

A resident should be able to identify an area of study and specific questions to be addressed. The resident should be able to develop an investigative plan in the form of a research protocol, which will address the questions to be answered (i.e. retrospective vs. prospective) and explain their limitations. One should be able to design and implement a study. One should also be able to critique study design, methodology, statistical analysis and interpretations in both their own work as well as journal publications.

Residents are expected to work independently. Faculty members are available as advisors to provide guidance and direction. A research template must be completed six months prior to the start of the research rotation for review by the faculty mentor and research faculty.

#### **Designated Research Time**

Four months of protected research time is available to all residents during the PGY-3 year of otolaryngology training. Research is part of the ACGME core competency on practice-based learning and improvement (PBLI). Please refer to the "Goals and Objectives" document for a description of research expectations in the PGY-3 year under the PBLI subheading.

Research may be basic science or clinical. Work may be performed in any department as long as the work is done in one of the approved institutions and a member of the full time Otolaryngology faculty must be one of the research advisors.

Residents are encouraged to develop projects that can be completed during the allotted research time. Cost factors are also important in determining whether a protocol is approved.

#### **Undesignated Research Time**

All residents are expected to take advantage of the large clinical volume available to them. A clinical issue to study prospectively should be identified during the first three years of training. With the assistance of an otolaryngology faculty member, a protocol is then written and submitted to the Otolaryngology research committee for approval. Subsequent approval by the institution research review board may also be required. After approval of a protocol, the study should be performed without interfering with other clinical responsibilities.

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**Key Indicator Cases for June 2022 Graduating Chief Residents**  
*Final Case Log Report with Comparison to RRC Minimum Required*  
 Department of Otolaryngology, SUNY Downstate Health Sciences University

RRC Key Indicator Case	RRC Minimum Required	Total* Resident Supervisor	Total* Resident Surgeon	Mean** Supervisor or Surgeon	Comparison to RRC Minimum
<b>Head and Neck</b>					
Parotidectomy	15	0	75	25	<b>+10 (167%)</b>
Neck dissection (all types)	27	8	104	37	<b>+10 (137%)</b>
Glossectomy	10	4	55	20	<b>+10 (200%)</b>
Thyroid/parathyroidectomy	22	21	243	88	<b>+66 (400%)</b>
<b>Otology/Audiology</b>					
Tympanoplasty (all types)	17	2	129	44	<b>+27 (259%)</b>
Mastoidectomy (all types)	15	0	79	26	<b>+11 (173%)</b>
Ossicular chain surgery	10	0	60	20	<b>+10 (200%)</b>
<b>Facial Plastic Reconstructive</b>					
Rhinoplasty (all types)	8	0	73	24	<b>+16 (300%)</b>
Mandible/midface fractures	12	5	57	21	<b>+9 (175%)</b>
Flaps and Grafts	20	6	245	84	<b>+64 (420%)</b>
<b>General/Pediatric</b>					
Airway – pediatric and adult	20	37	247	95	<b>+75 (475%)</b>
Congenital neck masses	7	7	45	17	<b>+10 (243%)</b>
Sinus surgery	40	31	239	90	<b>+50 (225%)</b>
Bronchoscopy	22	21	117	46	<b>+24 (209%)</b>

\*Total cases for all 3 graduating chief residents combined

\*\*Mean cases per graduating chief resident

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## SERVICE CHIEF REPORTS

### Division of Pediatric Otolaryngology

#### Ann Plum, MD

The Division of Pediatric Otolaryngology, now in its 30th year, has continued to achieve excellence in patient care, teaching, and research during the 2021-2022 academic year.

The division has continued its expansion at multiple Brooklyn sites, including SUNY Downstate University Hospital, New York - Presbyterian Brooklyn Methodist Hospital, Maimonides Medical Center, and Kings County Hospital Center. The educational experience as well as patient care experience has continued to grow and diversify to include all areas of Pediatric Otolaryngology.

Faculty from a wide variety of specialties work together in a multi-disciplinary fashion to create system-based initiatives as well as individual treatment plans for patients. This year has also seen continued success in providing care for children in a multidisciplinary fashion through the continued expansion of the multidisciplinary Aerodigestive Clinic, the Craniofacial Program, and the Cochlear Implantation Program at SUNY Downstate Medical Center.

Academic pursuits remain a strong priority as the Division continues to enhance its national reputation. Richard Rosenfeld, MD, MPH, continues to expand his role as senior advisor for the AAO-HNS clinical guidelines. Nira Goldstein, MD, MPH, continues to be extremely active in the American Academy of Otolaryngology, American Society for Pediatric Otolaryngology, and SUNY Downstate Medical School, and is a leading authority on sleep-disordered breathing in children, with many publications on the subject, and multiple current active clinical projects. Ann Plum, MD, has continued to be active with clinical research within the Department and continues to be active in the AAO-HNS. Research is regularly presented at national meetings. In addition, all faculty continue to be extremely active in Resident and Medical Student Education within the Department and SUNY Downstate Medical Center.

### Division of Facial Plastic and Reconstructive Surgery

#### Sydney C. Butts, MD

The Division of Facial Plastic and Reconstructive Surgery is based at several clinical sites, with services provided at University Hospital Brooklyn, Kings County Hospital Center and New York Methodist Hospital. There was an even distribution of facial plastic surgery cases including trauma surgery, congenital craniofacial reconstruction and pediatric facial reconstruction, functional nasal reconstruction, Mohs defect reconstruction and cosmetic facial procedures. A dedicated cosmetic surgery rotation under the supervision of Dr. Richard Westreich allows senior residents to operate at Manhattan Eye, Ear and Throat Hospital (MEETH). Dr. Lee Kaplowitz has developed a thriving facial plastics presence at Maimonides Medical Center that covers the breadth of reconstructive surgery, with a particular emphasis on rhinoplasty.

Academic activity from the division included presentations at national meetings, publications in peer reviewed journals and textbook chapter submissions.

The otolaryngology service has become actively involved in the management of congenital craniofacial anomalies, becoming the primary referral service for the cleft lip and palate patients born at the neonatal intensive care units at SUNY Downstate and Kings County Hospital. Through collaboration with the NICU, general pediatrics and the pediatric subspecialties, as well as local speech/language pathologists and geneticists, comprehensive and multidisciplinary care is brought to these patients.

During the Downstate/Kings County rotation, the otolaryngology service provides coverage of facial trauma in a rotation schedule with the oral surgery and ophthalmology services. Residents participate in formalized didactic activities relating to maxillofacial trauma during this rotation. Residents are sent to participate in maxillofacial trauma courses sponsored by the AO. Dr. Butts has been involved with maxillofacial trauma education on a national level as a faculty member of the AO.

In summary, the Division of facial plastic surgery continues to provide residents and medical students with significant exposure to cosmetic and reconstructive procedures of the face. Our recent staff additions have provided continuity and helped to preserve the volume of cases critical to resident training. We expect further growth over the next few years in all aspects of the subspecialty.

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### **Division of Otolology and Neurotology**

#### **Matthew B. Hanson, MD**

The Division of Otolology and Neurotology provides sub-specialized care for patients with diseases of the ear and temporal bone. In striving for optimal outcomes for our patients, their care is carefully coordinated with our colleagues in Audiology, where accurate diagnosis relies on advanced technology. Our Skull-Base team for treatment of neuro-otologic disorders includes colleagues in head and neck surgery and neurosurgery. We provide advanced care for the hearing impaired, including cochlear implantation, bone-anchored hearing implants, and early detection of hearing loss. Newborn hearing screening is routine at our participating hospitals and regularly identifies hearing loss at the youngest possible age. This enables early intervention to foster language development. Otolology education is supplemented by the careful and precise study of the temporal bone anatomy. The Temporal Bone Laboratory provides intensive training for all residents during each of their four years. Our laboratory is also available for post-graduate training. Routine educational conferences in otology take place through the Grand Rounds schedule, as well as during weekly patient conferences, Vestibular conferences and weekly Case Review Conferences. We also benefit from our close affiliation with the Auditory Oral School of New York, which provides pre- and post-operative services for our cochlear implant patients of all ages.

The Division of Otolology and Neurotology continues to show growth and an improved learning experience for our residents. Dr Hanson continues to have a burgeoning practice in all types of ear cases at UHB, Bay Ridge and Kings County. Dr. Preis has continued to bring state-of-the-art otology to Maimo and continues to present at national meeting in the area of endoscopic ear surgery. Our affiliation with Lenox Hill/MEETH has made an enormous number of ear cases available to our residents, as well as the opportunity to work with several national leaders in the field, such as Darius Kohan, Sujana Chandrasekhar, Ian Storper, Soha Ghossani and Neil Sperling.

The coming year is expected to have a lot of activity in Otolology at Downstate. The Temporal Bone lab is open and being used. The first courses will be taught there in July and with the opportunity for 24-hour access, the residents have taken advantage with independent drilling and study. We also plan to acquire a equipment for a Virtual TB dissection work station to supplement cadaveric dissections. The lab is also being used for instruction in microvascular surgery and soft tissue surgery, with plans for even more as time goes on. Dr. Preis has helped out by providing equipment for teaching endoscopic ear surgery

We also anticipate a continued increase in our cochlear implant program. Under the audiologic leadership of Dr. Megan Wehner, we have passed over one hundred implantations at UHB and we continue to be the only active Cochlear Implantation Program in Brooklyn. Our affiliations with The Auditory Oral School of New York continues to benefit our program by the provision of full services for our pediatric implant patients. This year we will also be able to begin doing implants at Kings County Hospital. Dr. Veronica Barnwell, the Director of Audiology at County has long participated in our program, but now we will be able to implant our County patients at County.

### **Division of Head and Neck Surgery and Oncology**

#### **Krishnamurthi Sundaram, MD**

#### **Natalya Chernichenko, MD**

The Division of Head and Neck, Surgery and Oncology continues to be extremely active and productive clinically and academically. Drs. Sundaram, Har-El, Chernichenko, Azoulay, Butts, and Hanson continue running the leading center for head and neck cancer management in Brooklyn. Using an interdisciplinary approach, experts from across disciplines come together to provide state-of-the-art care for patients with all types and stages of head and neck cancer. Each month, the Division of Head and Neck Surgery and Oncology runs two busy head and neck tumor boards at SUNY Downstate/ Kings County Hospital. We also participate in a monthly head and neck tumor board at New York Presbyterian-Brooklyn Methodist Hospital. In the spirit of a multidisciplinary approach, management decisions are made in collaboration with head and neck surgeons, radiation oncologists, medical oncologists, radiologists, and pathologists. Our attending and resident staff members fully participate in all tumor board conferences. These dedicated tumor board sessions have been very successful in discussing complex cases and designing treatment plans. Advances in surgical equipment, as well as special training and expertise of our surgeons, made it possible to add transoral robotic surgery (TORS), transoral laser surgery (TLS), endoscopic skull base surgery, and video-assisted thyroid surgery to our armamentarium.

As a comprehensive head and neck cancer center, we place a particular emphasis on the quality of life of cancer patients and their families, which led to the establishment of our survivorship program. Head and neck cancer can impact some of the most basic human functions, including swallowing, speech,

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Program) database research to study surgical complications of head and neck surgery. Our department collaborates with the department of Otolaryngology at Weill Cornell at New York Presbyterian-Brooklyn Methodist Hospital on Quality Improvement projects and clinical trials. Faculty members and residents of our department are regular participants and attendees at the meetings of the New York Head and Neck Society, the largest local/regional head and neck oncological organization in North America. Our former Chairman, Dr. Richard Rosenfeld, had supported the head and neck division and strongly encouraged its growth. In this time of transition, our current chairman, Dr. Sydney Butts, is fully committed to supporting the growth and development of the division.

### **Division of Laryngology, Voice and Swallowing Disorders**

#### **Boris L. Bentsianov MD**

The Division of Laryngology has been providing our patients with the latest and most advanced diagnostic and therapeutic modalities for the care of voice and swallowing pathology. Office procedures include videostroboscopy, laryngeal EMG and EMG guided injection, endoscopic swallowing evaluation, as well as percutaneous medialization thyroplasty and awake, in-office, laryngeal biopsy techniques. The practice has expanded over the last 20 years to meet the growing demand for high quality voice and laryngeal care throughout the community and borough with referral for tertiary care from a catchment area including Brooklyn, Queens and Staten Island. The division also includes a laryngology clinic in collaboration with the residency program, in which resident physicians, and their patients, also benefit from the full complement of laryngology instruments and procedures. The clinic allows all patients access to the highest level of laryngologic care, and allows the residents an exciting opportunity to learn and contribute in a hands on fashion. The Division is further growing with the addition of a new full time Laryngologist Dr Sara Abu-Ghanem, who will be spending time at the SUNY Downstate campus, Kings County Medical Center and Maimonides Medical Center. This will further expand coverage for laryngology subspecialty care at all of our training sites.

The Division of Laryngology, Voice and Swallowing Disorders is also excited to deliver services at our new practice site in Park Slope, Brooklyn. This effort includes coverage of the laryngology work at New York Presbyterian Brooklyn Methodist hospital. This location and our new ambulatory surgical site in Bay Ridge, Brooklyn has further expanded our surgical capabilities and our relationships throughout the borough.

The Division is further enhanced by its affiliation with Maimonides Medical center where we have a full operating room session and resident coverage. The division is also active within the grand rounds curriculum for resident education and continuing medical education for our faculty, as well as the resident basic science course.

The Division of Laryngology has also been greatly benefited by its interaction with the Communicative Disorders Group at Brooklyn Methodist Hospital and Maimonides Medical Center where we have collaborated with their voice trained speech and language pathologists for non-invasive therapeutic techniques for care of professional voice performers, patients with high vocal demand and neurolaryngology patients. This unique access to subspecialty voice trained speech pathologists has dramatically improved patient compliance and therapy results. The program has also allowed us to build our relationship with the Parkinsons program at SUNY Downstate and deliver the highest level of LSVT trained therapy to this challenging population. This aspect of our Division also has facilitated the care of post laryngectomy patients by providing this patient group with a host of rehabilitative options from esophageal speech teaching, to TEP care and counseling.

The Division has also become more active in the operating room setting, including new microlaryngologic instruments to facilitate microsurgical vocal cord surgery and new laser technology allowing us to expand our endoscopic options. This improved precision and reliability allows us to perform less invasive procedures with shorter recovery times and improved results.

Contributing to education of medical students at SUNY Downstate medical center continues to be a core mission within the Division of Laryngology. We are active in the basic science years with supervision in the anatomy labs and preparation for clinical medicine curriculum. As students progress through their clinical years they can participate in our office hours and surgical block-time in either a 2 week surgical rotation or more advanced 4 week sub-internship designed to prepare students for a possible career in otolaryngology.

As always, our goal is continued growth, and to expand our current scope of care providing the highest level of laryngologic care to our patients and our community.



## COMMUNICATIVE DISORDERS

The Division of Communicative Disorders serves infants, children, and adults with speech, language, and hearing disorders. The division has developed the first cochlear implant program in Brooklyn. Plans for the future include further expansion of a cochlear implant program, the development of a specialized voice and swallowing center with state-of-the-art diagnostic and therapeutic equipment, and expanded services for head and neck cancer patients.

### Audiology

Audiology services include complete diagnostic evaluations including complete audiological evaluation and immittance testing on infants, children, and adults. Specialized testing includes otoacoustic emissions, hearing aid and cochlear implant evaluation and mapping, auditory brainstem response testing, electronystagmography, and evaluation of central auditory processing skills.

Our universal newborn hearing screening program evaluates auditory function in all newborns born within our facilities. The goal of the program is to identify babies at risk for hearing loss and provide them with further evaluation. For those with permanent hearing loss, amplification evaluations will be recommended. Treatment before six months of age will reduce the negative effects of hearing loss on speech and language development.

Counseling and referrals are available as needed.

### Cochlear Implant Program

The Cochlear Implant Program is unique in that it is part of an auditory verbal therapy program. Patients who elect to have cochlear implants can receive therapy services at the same facility that performing their mapping. Experienced audiologists are available to visit schools and provide assistance. The program is a combined effort of the University Hospital of Brooklyn, Kings County Hospital Center, and the Auditory Oral School of New York.

### Communicative Disorders Staff

#### UPB Faculty Practice sites – 185 Montague Street and 376 6th Avenue

Saleh Saleh, AuD, CCC-A

Director of Audiology, responsible for training audiology residents. Saleh graduated from the University of Florida January 2010 with an AuD in Audiology. Special interests include: electrophysiological testing, dizziness evaluation, tinnitus evaluation and amplification.

Malorie Wagman, AuD, CCC-A

New York State Licensed Audiologist and Hearing Aid Dispenser. She earned her Bachelor of Science degree in Communication Sciences and Disorders from the University of Wisconsin- Madison. She then attended the University of Illinois at Urbana- Champaign, where she graduated with a Doctorate in Audiology (AuD). Her clinical specialties include pediatric and adult diagnostic testing, vestibular assessment, as well as auditory brainstem response testing for the infant to adult populations. She has experience in the realm of hearing aid fitting and programming, as well as with BAHAs and other implantable devices.

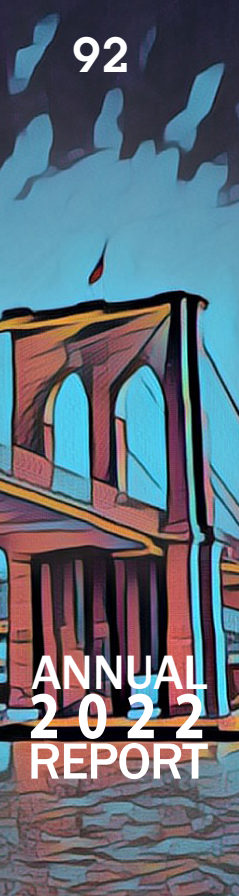
Suzette Xie, AuD

New York State Licensed Audiologist. She graduated Magna Cum Laude and earned her Bachelor of Arts (B.A.) degree in Communication Sciences and Disorders at St. John's University. After earning her B.A. degree, Dr. Xie attended Northeastern University in Boston, Massachusetts where she graduated with Doctorate in Audiology (Au.D.) Dr. Xie has expertise in audiological evaluations, appropriate selection, programming, and fitting of amplification, vestibular assessment, as well as auditory brainstem response testing within the pediatric and adult population. Other specialties include aural rehabilitation and assistive listening devices.

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The Audiology Department with the guidance of Dr. Sal Saleh AuD, is affiliated with several Audiology Doctorate programs within the US. We hold extensive interviews annually where we selected exceptional audiology residents. We currently have 7 students.

#### **SUNY Downstate Health Sciences University**

John Weigand, AuD, CCC-A

Director of Audiology at SUNY Downstate, graduated from University of Florida in 2000 with an AuD in Audiology. Special interests include: amplification, electrophysiologic testing and vestibular assessment and training audiology students.

Anastasiya Goldin, AuD, CCC-A

Credentialed audiologist who works alongside Dr. Weigand providing all aspects of clinical care. Her specialties are diagnostic evaluations on children and adults, hearing aid evaluation and fitting and supervision and training audiology students.

Hayley Morgan, AuD, CCC-A

Credentialed audiologist who works alongside Dr. Weigand. Dr. Megan's expertise lies in Cochlear Implant programming and management, diagnostic evaluation on children and adults and hearing aid evaluations and fittings.

#### **Teaching Program/Student Internships**

Presently Downstate has established affiliations with over 10 Doctor of Audiology training programs we currently have 6 students. Our students function as full-time supervised clinicians working alongside certified audiologists and ENT physicians. Graduates from our program have gone on to find positions of leadership within the profession of Audiology.

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## RESEARCH REPORT

In the year 2021-2022, Drs. Kollmar, Azoulay, Liang, Alrassi and Tominaga continued their work studying facial reanimation in a rat model including creation of a device for the dynamic treatment of facial nerve paralysis. Dr. Boruk and Dr. Evgrafov of the Department of Cell Biology have continued work on their NIH supported study evaluating transcriptome sequencing of neuronal cell lines from patients with schizophrenia. Dr. Mathews, under the direction of Dr. Evgrafov and Dr. Boruk, performed a single cell analysis of middle turbinate epithelium.

Dr. Rosenfeld continued his work with the AAO-HNS developing clinical practice guidelines and along with Dr. Juszczak has been studying how the quality of a plant-based diet can impact health outcomes. Drs. Abu-Ghanem and Graf are investigating swallowing function in healthy adults while using high-flow nasal cannula and Drs. Abu-Ghanem and Alrassi are studying a simple protocol and assessment tool for aspiration prevention and dysphagia screening in hospitalized adult patients. Dr. Chernichenko continued her population-based studies of head and neck cancer using the NSQIP Database.

Dr. Bentsianov was inducted into the Triological Society with his thesis Voice Outcomes and High Grade Reinkes Edema: Comparing Microflap Excision and Microdebrider Surgery. Dr. Schild presented Outcomes and Management of Infants who Refer Neonatal Hearing Screening and Dr. Weber presented A Comparison of Intra-Oral and Extra-Oral Surgical Approaches to Sialorrhea: A Systematic Review and Meta-Analysis at the 16th Annual NYC Metropolitan Resident Research Day Symposium.

Notable publications include Dr. Abu-Ghanem's, Dr. Graf's and Jigar Govind's (MS 3) Diagnosis of Sarcopenic Dysphagia in the Elderly in Dysphagia; Dr. Alrassi's, Dr. Rosenfeld's and James Cochran's (MS 4) Tonsil Riots and Vaccine Hesitancy: a 100-year Legacy of Medical Mistrust in Otolaryngology Head and Neck Surgery; Dr. Liang's, Dr. Irizarry's, Dr. Victor's, Dr. Hoepner's and Dr. Chernichenko's Postoperative Complications after Total Thyroidectomy for Patients with Graves' Disease in *Otolaryngology Head and Neck Surgery*; Dr. Rosenfeld et al.'s Clinical Practice Guideline: Tympanostomy Tubes in Children (Update) in *Otolaryngology Head and Neck Surgery* and Alfonso Caetta's (MS 4), Dr. Timashpolsky's, Dr. Tominaga's, Neeta D'Souza's (MS 3) and Dr. Goldstein's Postoperative Respiratory Complications after Adenotonsillectomy in Children with Obstructive Sleep Apnea in the *International Journal of Pediatric Otorhinolaryngology*.

### ONGOING RESEARCH PROJECTS

#### Faculty Research Projects:

##### Sara Abu-Ghanem, MD

1. Assessment of Swallowing Function in Healthy Adults While Using High-Flow Nasal Cannula
2. "A simple protocol and assessment tool for aspiration prevention and dysphagia screening in hospitalized adult patients"

##### Ofer Azoulay, MD

1. Translational animal lab investigating facial reanimation in rats.
2. Post-operative level of care following microvascular free flap reconstruction of the head and neck: a systematic review and meta-analysis.
3. A comparison study between the House -Brackmann, Yanagihara and Sunnybrook Facial Nerve Grading Systems.

##### Boris Bentsianov, MD

1. Patient voice outcomes in Reinkes edema. A comparison of Cold knife excision to microdebrider

##### Marina Boruk, MD

1. NIH grant supported study: Transcriptome sequencing of neuronal cell lines from patients with schizophrenia.
2. REDCap survey: Analysis of Anosmia During the COVID-19 Pandemic.
3. Single cell transcriptomes of respiratory epithelium in patients with post-COVID-19 anosmia.

##### Sydney Butts, MD

1. "Chronic auricular chondritis: Dangers of a rare bacterial etiology"

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**Natalya Chernichenko, MD**

1. Population based analysis of perioperative complications in thyroid/parathyroid surgery and major head and neck surgery.
2. Quality improvement of malnourishment assessment of head and neck cancer patients at KCHC
3. Comparison of outcomes of patients with and without Graves' disease undergoing total thyroidectomy for non-malignant reasons
4. Risk assessment in major head and neck oncologic surgery
5. Outcomes of parathyroidectomy for primary versus secondary or tertiary hyperparathyroidism
6. Impact of socioeconomic status and race on major head and neck surgery
7. Impact of malnutrition on major head and neck surgery

**Nira Goldstein, MD, MPH**

1. Case Report and Literature Review: Asymmetric tonsillar regrowth following intracapsular tonsillectomy.
2. Neonatal hearing screening outcomes in infants that initially refer testing
3. National trends of pediatric aspirated/ingested foreign bodies in US emergency departments
4. National epidemiology of auricular hematoma in US emergency departments
5. Outcomes of in-office versus operating room insertion of tympanostomy tubes
6. Nutritional status in head and neck cancer patients
7. Randomized controlled trial of Valganciclovir for Cytomegalovirus infected hearing impaired infants (ValEAR Trial)

**Richard Kollmar, PhD**

1. "Creation of a Device for the Dynamic Treatment of Facial-Nerve Paralysis"
2. Facial-nerve reanimation in the rat
3. Laryngospasm during seizures
4. Age and gender associated differences in expression and function of vasopressin 2 receptors in the bladder

**Ann Plum, MD**

1. Impact of tonsillectomy and adenoidectomy on seizure control in children with comorbid obstructive sleep apnea and seizure disorder- manuscript in process
2. Neonatal hearing screening outcomes in infants that initially refer testing- manuscript in process
3. Systematic review on surgical management of subglottic hemangioma- manuscript in process
4. Systematic review and meta-analysis – submandibular gland excision vs. submandibular duct rerouting/ligation for sialorrhea- to be an oral presentation at AAO-HNS 2022 and manuscript in process
5. National trends of pediatric aspirated/ingested foreign bodies in US emergency departments- poster presentation at AAO-HNS 2022 meeting
6. Level of evidence for studies published in a high impact otolaryngology journal over the last 15 years- data collection
7. Outcomes of in-office versus operating room insertion of tympanostomy tubes- IRB process and data collection
8. Nasal CPAP injury in Premature neonates grading scale systematic review- data collection in process.

**Richard Rosenfeld, MD, MPH, MBA**

1. History of the nasogential reflex in otolaryngology
2. A scoping review of how the quality of a plant-based diet can impact health outcomes in prospective cohort studies
3. Physician attitudes on the status, value, and future of board certification in lifestyle medicine
4. AAO-HNS clinical practice guideline on tympanostomy tubes, update
5. American College of Lifestyle Medicine, expert consensus statement on diet as a primary intervention for remission of type 2 diabetes in adults
6. Multiple ongoing projects assisting otolaryngology residents with research design, systematic review, and data analysis

**Krishnamurthi Sundaram, MD**

1. SUDEP
2. HPV SCC
3. Thyroid cancer

**Richard Westreich, MD**

1. Collaborative Research: Infratip lobule changes during rhinoplasty with different tip modification techniques

**Resident Research Projects****Matthew Adams, MD**

1. "Chronic auricular chondritis: Dangers of a rare bacterial etiology".

**James Alrassi, MD**

1. "The Nasogenital Reflex in Otolaryngology: Imprudence of the Past as a Lesson for a Wiser Future"
2. "A simple protocol and assessment tool for aspiration prevention and dysphagia screening in hospitalized adult patients"
3. "Creation of a Device for the Dynamic Treatment of Facial-Nerve Paralysis"

**Rahul Gulati, MD**

1. Risk assessment in major head and neck oncologic surgery

**Alexander Graf, MD**

1. Assessment of Swallowing Function in Healthy Adults While Using High-Flow Nasal Cannula

**Hailey Juszczak, MD**

1. Diet and Health in Otolaryngology. Otolaryngologic Clinics.
2. A scoping review of how the quality of a plant-based diet can impact health outcomes in prospective cohort studies
3. Case Report and Literature Review: Asymmetric tonsillar regrowth following intracapsular tonsillectomy.

**Jennifer Liang, MD**

1. Comparison of outcomes of patients with and without Graves' disease undergoing total thyroidectomy for non-malignant reasons
2. Creation of a device for the dynamic treatment of facial nerve paralysis –
3. Risk assessment in major head and neck oncologic surgery
4. Outcomes of parathyroidectomy for primary versus secondary or tertiary hyperparathyroidism
5. Impact of socioeconomic status and race on major head and neck surgery
6. Impact of malnutrition on major head and neck surgery
7. Outcomes of surgical interventions for Reinke's edema

**Fasil Mathews, MD**

1. Single cell analysis of middle turbinate epithelium.

**Sean Mooney, MD**

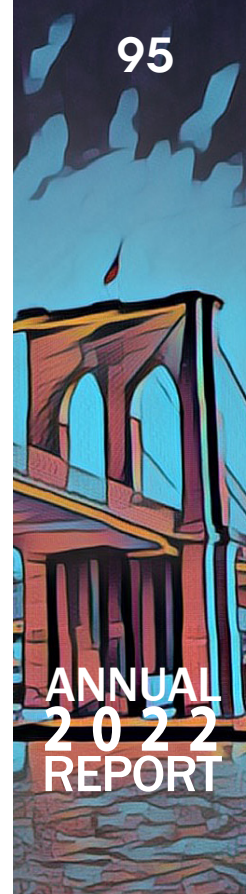
1. In office versus Operating Room tympanostomy tubes
2. Pectoralis flap versus Free Flap in head hypopharyngeal reconstruction
3. Geriatric Free Flaps

**Ryan Tabtabai, MD**

1. Analysis of Covid-19 Related Olfactory and Gustatory Dysfunction in a Central Brooklyn Patient Population: Long-term Follow-up by Disease Severity and Impact on Mental Health.
2. Head and Neck Cancer Nutrition: Utilizing Epic to Improve Patient Outcomes.
3. Intra-oral vs. Extra-oral Surgical Approaches to Sialorrhea: A Systematic Review and Meta-Analysis.
4. Management of Subglottic Hemangioma: A Systematic Review.

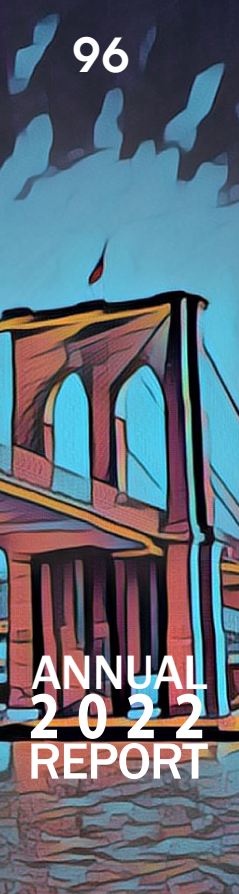
**Stephanie Tominaga, MD**

1. Creation of a device for the dynamic treatment of facial nerve paralysis



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## Department of Otolaryngology

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