

DEPARTMENT OF

ANNUAL REPORT 2019

State University of New York Downstate Health Sciences University

Maimonides Medical Center

Kings County Hospital Center

University Hospital of Brooklyn

New York - Presbyterian Brooklyn Methodist Hospital

Manhattan Eye, Ear & Throat Hospital / Lenox Hill Hospital

North Shore University Hospital

OTO LARYNGOLOGY



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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.

MISSION

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

1. We **provide state-of-the-art medical and surgical care** to the people of Brooklyn and surrounding communities
2. We **teach current best practices for patient care** at the local, regional, national, and international level
3. We **train residents** to become leaders in the specialty and practice in diverse geographic locations and practice settings
4. We **educate medical students** and help those interested in otolaryngology to better understand the specialty and pursue a career in otolaryngology
5. We **conduct clinical, basic, and translational research** to share knowledge, identify best practices, and fill knowledge gaps
6. We **engage in volunteer service** to professional medical organizations at the local, regional, national, and international level

VALUES

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

1. We value **safe, ethical and compassionate** patient care
2. We value **teaching, research, and education** since we are first and foremost an academic department
3. We value **collaboration** and **synergy** with our colleagues, fellow specialists, and other professionals
4. We value **professionalism, responsiveness, and timely communication**
5. We value **excellence** and **quality improvement** in all endeavors



STATE OF THE DEPARTMENT 2019

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

The 2018-2019 academic year marked the 28th anniversary of the Department of Otolaryngology at the State University of New York (SUNY) Downstate Medical Center and affiliated hospitals.

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. A new ambulatory rotation at Northwell and ProHealth in Great Neck, NY, will add further luster to our exceptional cadre or training sites.

The past year was marked by continued success and excellence in research, teaching, and clinical care. Our residency program is fully ACGME accredited with no citations and all of our graduates continue to secure a top choice in employment or fellowship training. We maintain a diverse palate of basic, clinical, and translational research supported by national, state, and institutional grants. Our clinical and audiological services are more robust and bountiful than ever and the clinicians providing them continue to grow professionally with academic awards and promotions. Please read on for a full description of other noteworthy accomplishments.

Performing

Every year I try to find one word that best reflects the state of our department and my top choice for 2019 is “performing,” defined as the ability to “carry out, accomplish, or fulfill an action, task, or function.” I offer this word in the context Bruce Tuckman’s stages of group development, first proposed in 1965, which are: forming, storming, norming, and performing.

Having now completed my 10th year as Department Chair, I can confidently state that we initially *formed* an academic team but anxiety and uncertainty prevailed for many years, we then *stormed* our way through a decade of turbulent years caused internal and external challenges, and then we *normed* into a cohesive department in which people resolve differences amicably, appreciate their colleagues’ strengths, respect leadership, and work together for the good of the group and the organization.

We are now in the *performing* stage, the elusive goal where group members are motivated, knowledgeable, and work cohesively to reach unexpectedly high levels of success. Success for our group could be articulated based on our mission statement as providing state-of-the-art care, teaching current best clinical practices, training residents to become leaders in the specialty, educating medical students to understand and pursue careers in otolaryngology, conducting diverse research initiatives, and engaging in volunteer and organizational service.

What makes me think we are *performing* so well? The demand for clinical care at our hospitals and faculty practice sites is booming, far in excess of supply, with accolades from patients, families, and review venues. Our teaching and educational programs are robust and envied, leading to a top-notch applicant pool, success in the match for our medical students, and our residents consistently securing a top job or fellowship of their choice. Research is stronger than ever, with several NIH grants and a wonderfully synergistic relationship with our basic science colleagues. Last, our faculty and residents are engaged in volunteer and organizational service in our community, with the American Academy of Otolaryngology – Head & Neck Surgery, and with numerous national and international specialty societies.

What is particularly exciting is the universal *level of satisfaction* with our program – the highest in our history – based on responses from the annual ACGME national survey. We have (finally) achieved stability in our affiliate training sites, filled all open faculty positions (with two imminent new hires), covered all aspects of general and specialty otolaryngology, and developed a robust and secure infrastructure and leadership team for our multiple faculty practice sites. My overriding goal as department chair has been to develop and sustain a multi-faceted environment where our faculty and residents can thrive, something that I can confidently say has been achieved after a decade of teamwork and camaraderie.

Beyond our current high-performance new opportunities beckon. Demand for services exceed supply at all practice sites, further synergy with Maimonides Medical Center will create an integrated multi-site department, engagement with One Brooklyn Health will bring new hires and tertiary referrals, and a new ambulatory center at NYP-BMH will facilitate enhance, state of the art care. Our training program is also proactively building upon existing initiatives for mentoring, surgical simulation, faculty development, diversity training, and health disparities research.

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A final stage of group development is *adjourning*, when the group has fulfilled its goals and objectives. Our department, however, is primed for continued success, as we continue to enhance the lives of our patients, faculty, residents, staff, and medical students for many years to come. When and if the time does come to adjourn, it will be with the knowledge of leaving a true legacy in Brooklyn.

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 patients at UHB and KCHC. We further serve our community with daily teaching of residents and medical students, many of whom remain in the New York metropolitan region and further contribute to the region's health and well-being. Here are some brief updates on our primary clinical services:

Facial plastic and reconstructive surgery has shown continued excellence through the leadership of Sydney Butts and other full-time and voluntary faculty, soon to be enhanced when alumnus Lee Kaplowitz joins Maimonides.. The division covers all aspects of facial plastic and reconstructive surgery, including maxillofacial trauma, cosmetic procedures, microvascular free tissue transfer, and reconstruction of complex defects of the head, neck, and related structures.

Head, neck, and skull-base surgery remains a focal point of our department under the leadership of Krishnamurthi Sundaram, Natalya Chernichenko, and Michael Weiss, with additional expertise provided by Gady Har-El, Jessica Lim, Victor Lagmay, and voluntary faculty at our multiple affiliate sites. The Lenox Hill rotation continues to grow and enhance our resident exposure to this subspecialty.

Otology and neurotology remain vibrant through the leadership of Matthew Hanson and Michal Preis, with contributions from others. The division offers comprehensive otologic services, ranging from ambulatory surgery to complex procedures with our neurosurgical colleagues. We are making slow, but steady, progress towards our new, state-of-the art, 8-station temporal bone laboratory, with completion now anticipated in 2020. Abraham Shulman continues to help patients cope with tinnitus, as one of the few full-time tinnitologists worldwide.

Pediatric Otolaryngology remains strong with leadership by Nira Goldstein, Ann Plum, and Richard Rosenfeld. Our newest, recruit, Dr. Plum, has rapidly developed a thriving, multi-site practice emphasizing laryngeal surgery and bronchoesophagology. 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.

Laryngology and neurolaryngology are covered under the leadership of Boris Bentsianov, soon to be joined by Sara Abu-Ghanem (after 2, one-year fellowships) with contributions from our pediatric otolaryngologists, head and neck surgeons, and voluntary faculty. A full range of operative and office interventions are available to improve voice-related quality of life for children, adults, vocal professionals, and head and neck cancer patients.

Rhinology and skull-base surgery is robust under the leadership of Marina Boruk and others, especially at 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 continues to expand through the leadership of Marina Boruk, Victor Lagmay, and many other faculty. Our new faculty recruits – Ofer Azoulay and Sara Abu-Ghanem – will greatly enhance coverage of general otolaryngology procedures at our UHB, NYP-BMP, and KCHC training sites.

Communicative disorders continues to grow through the efforts of John Weigand, Sal Saleh, and their relationships with training programs that supply a steady stream of audiology trainees. Patients with cochlear implants have been 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.

Research, Education, and Teaching

Boris Bentsianov organized the 10th Annual Frank E. Lucente Alumni and Resident Research Day program, featuring keynote speaker James Netterville, from Vanderbilt University Medical Center and alumni speaker Haidy Marzouk from SUNY Upstate Medical Center. Besides showcasing our resident and faculty research, our invited presentations included insights into pharyngeal tumors and cystic fibrosis, plus an alumni panel discussion – featuring Elizabeth Floyd, Marina Boruk, and Haidy Marzouk – on challenging practice issues. Please review the full agenda later in this report for additional details and abstracts.

Nira Goldstein continues as Director of Clinical Research and remains an incredible resource for navigating the intricacies of funding, 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 restoring recurrent laryngeal nerve function after injury, studying perineural invasion of head and neck cancer, and understanding the role of laryngospasm in epilepsy sudden death and pulmonary edema. These, and other, projects are supported by grants from the National Institutes of Health, the State of New York, SUNY Downstate Medical Center, and the FEL Resident Grant. The FEL grant, sponsored by alumnus Dennis Lee, has also been used to support mission trips for interested residents.

Nicole Fraser, our educational coordinator, remains an invaluable resource working with Richard Rosenfeld, program director, and Nira Goldstein, associate program director, to maintain a citation-free department that fully implements the ACGME Next Accreditation System. We continue to receive a steady stream of top residency applicants and do exceptionally well in the national match. Sydney Butts continues to oversee our Grand Rounds program, including our pre-rounds session focused on resident issues and education. The program has been notable for invited speakers and joint sessions with other departments at SUNY Downstate.

Natalya Chernichenko directed the highly successful 9th Annual Multidisciplinary Head & Neck Symposium, in conjunction with the John Conley Division of Medical Ethics and Humanities. The program centered on managing facial nerve paralysis, with keynote speakers Laura Hetzler from Louisiana State University, Eric Kodish from Case Western Reserve University, and Andrew Shuman from the University of Michigan Health System. The conference agenda appears later in this report and we remain grateful to Rivi and Gady Har-El for their kind support of the symposium.

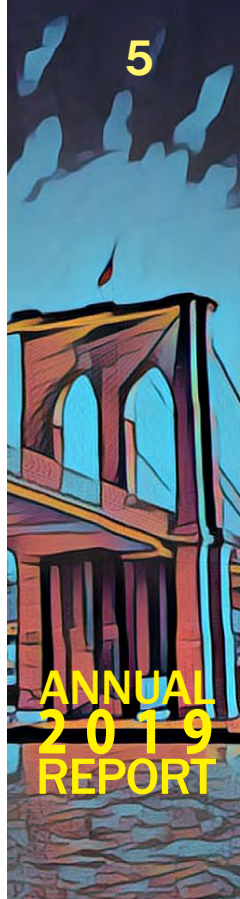
Our residency training program remains fully accredited and continues to attract the best and brightest candidates with 100% successful attainment of desired employment or fellowship training by all graduates. We view our residency program as the centerpiece of our department, always striving to improve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

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 worthy of particular emphasis, however, are listed below

Notable Faculty Accomplishments

- Boris Bentsianov was the course director for the Annual Frank E. Lucente Alumni and Resident Research Day
- Boris Bentsianov was appointed to the AAO-HNS History and Archives Committee
- Marina Boruk was nominated by the American Rhinologic Society (ARS) Marketing Committee to be an ARS Physician Champion for SUNY Downstate
- Marina Boruk was appointed to the AAO-HNS Practice Management Education Committee
- Sydney Butts received a 2018 Society Award from the Brooklyn Children's Society
- Natalya Chernichenko was the course director for the Annual Head and Neck Symposium
- Nira Goldstein was appointed Clinical Assistant Dean for the College of Medicine
- Matthew Hanson and Richard Rosenfeld were among the 42 physicians from University Hospital of Brooklyn listed as Castle Connolly Top Doctors
- Matthew Hanson was the faculty liaison for the SUNY Downstate ENT Club
- Victor Lagmay was the Voluntary Faculty Honoree at the Resident Graduation event and dinner
- Maria Pallotta was the Staff Honoree at the Resident Graduation event and dinner
- Ann Plum joined the department and rapidly developed a thriving pediatric ENT practice, emphasizing laryngeal reconstruction and bronchoesophagology
- Ann Plum was the Faculty Honoree at the Graduating Residents & Fellows Celebration
- Richard Rosenfeld became the Faculty Advisor for the new medical student club, the Downstate Initiative for Nutrition Empowerment (D.I.N.E.)
- Richard Rosenfeld co-chaired the first annual conference at Downstate on Harnessing the Power of Plant Based Nutrition
- Richard Rosenfeld was program chair for the 8th Annual Meeting of the SUNY Distinguished Academy in Albany, NY
- Richard Rosenfeld completed a Health Services Administration MBA degree
- Mark Stewart as principal investigator completed year two of the NIH-funded project on seizure-induced laryngospasm in mice with Krishnamurthi Sundaram as co-investigator
- Krishnamurthi Sundaram was the Full-time Faculty Honoree at the Resident Graduation event and dinner
- Krishnamurthi Sundaram was a NY Times SuperDoctor and was nominated for the NYP-BMH Healer's Hall of Fame



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Notable Resident, Student, and Other Accomplishments

- Anthony Alessi was a Resident Honoree at the Graduating Residents & Fellows Celebration
- Daniel Ballard matched for a Neurotology Fellowship at the University of Pittsburgh
- George Ferzli receive the KCHC Doctor's Day Award and was a Resident Honoree at the Graduating Residents & Fellows Celebration
- Sandra Ho was awarded the John Conley Resident Research Award at the Triological Society Sections meeting
- Sandra Ho represented SUNY Downstate at the 14th Annual Metropolitan NY Resident Research Day Symposium
- Sandra Ho participated in a mission trip to Panopdopan District Hospital, a remote government hospital about 10 hours by bus from Manila, with Michal Preis as mentor
- Hunter Hopkins, Sandra Ho, and Ankit Kansal represented our department at the annual AAO-HNS Advocacy and Leadership Conference in Alexandria, VA
- Rachel Irizarry Sandra Ho represented SUNY Downstate at the 14th Annual Metropolitan NY Resident Research Day Symposium and won Second Place for her presentation
- Rachel Irizarry was appointed a resident member of the AAO-HNS Woman in Otolaryngology Development and Mentorship Committee
- Ankit Kansal was inducted into the Alpha Omega Alpha honor society
- Sean Mooney, MS4, reinvigorated the SUNY Downstate ENT Club as president, with faculty presentations, screening events, and student outreach
- Sam Schild was appointed a resident member of the AAO-HNS Airway and Swallowing Committee
- Daniel Sukato was selected as a resident reviewer for the Centralized Otolaryngology Research Efforts (CORE) grant program from the AAO-HNS, a first for our department
- Daniel Sukato matched for a Facial Plastic and Reconstructive Surgery fellowship at the University of California at Los Angeles
- Ryan Tabtabai was appointed a resident member of the AAO-HNS Medical Drugs and Devices Committee
- Derek Wu match for an Academic Rhinology fellowship at Northwestern University
- *Anthony Alessi was the resident honoree for KCHC Doctor's Day*

A Bright Future

We are delighted to welcome our three new PGY-1 residents, Jennifer Liang from the Boston University School of Medicine, Fasil Mathews from the University of Pittsburgh School of Medicine, and Stephanie Tominaga, from the University of Florida College of Medicine.

We are proud of our three departing chief residents and wish them health, happiness, and success. Anthony Alessi joins an ENTAA practice in Hauppauge County. George Ferzli will enter a Facial Plastic and Reconstructive Surgery Fellowship at Lenox Hill Hospital in Manhattan. Our chiefs did a fabulous job running the service and representing our department, despite the challenge of having one less resident in their graduating year.

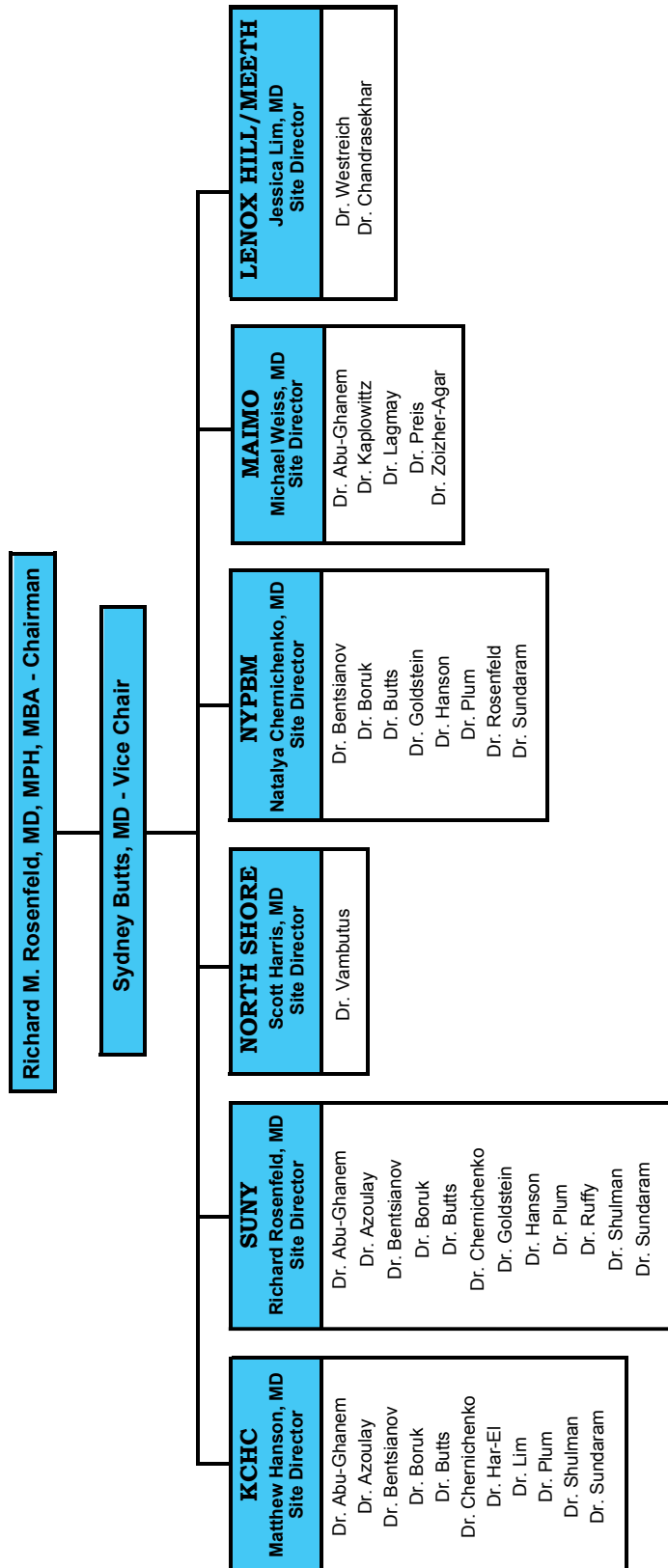
Some of our staff have already been recognized but let me close by thanking our administrative miracle workers, Billy Tang at SUNY Downstate, Carole Facciponti at NYP Brooklyn Methodist Hospital, and Svetlana Lyulko and Veronica Ortiz at our Faculty Practice sites. Their efforts, along with all of our other talented support staff, help fulfill our mission of research, teaching, and patient care to the benefit of our community and all stakeholders.

I remain the perennial optimist regarding our department's future because of the wonderful patients, faculty, staff, residents, and students we are blessed to interact with daily. Moreover, Brooklyn remains one of the most exciting, diverse, and opportunity-laden locations on the planet. My pledge as chairman is to continue working tirelessly to embrace all opportunities and enhance an already wonderful department in an equally wonderful borough.

Respectfully submitted,

Richard M. Rosenfeld, MD, MPH, MBA
July 2019

TABLE OF ATTENDING STAFF FOR EDUCATIONAL PROGRAMS



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Department of Otolaryngology

DIVISIONS, RESIDENT EDUCATION, AND RESEARCH

Richard M. Rosenfeld, MD, MPH, MBA

SERVICE CHIEFS	COMMUNICATIVE DISORDERS	RESIDENTS	RESIDENT EDUCATION
OTOLOGY & NEUROTOLOGY Matthew Hanson, MD Michal Preis, MD	Brooklyn Heights Office Park Slope Office NY Pres. Methodist Newborn Hearing Program Sal Saleh, AuD, CCC/A Audiology Supervisor Tahlia Mizrahi, AuD Suzette Xie, AuD	Sandra Ho, MD – PGY5 Daniel Ballard, MD - PGY5 Daniel Sukato, MD - PGY5 Derek Wu, MD - PGY5 Rachel Irizarry, MD - PGY4 Prayag Patel, MD - PGY4 Alisa Timashpolsky, MD - PGY4 Rachel Irizarry, MD - PGY3 Prayag Patel, MD - PGY3 Alisa Timashpolsky, MD - PGY3 Ankit Kansal, MD - PGY2 Sam Schild, MD - PGY2 Ryan Tabatabai, MD - PGY2 Fasil Mathews, MD - PGY1 Jennifer Liang, MD - PGY1 Stephanie Tominaga - PGY1	Richard M. Rosenfeld, MD Program Director Nira A. Goldstein, MD Associate Program Director Nicole C. Fraser, MPH, MS Education Coordinator
PEDIATRIC OTOLARYNGOLOGY Nira A. Goldstein, MD, MPH Ann Plum, MD	East Flatbush Office UHB Newborn Hearing Program John Weigand, AuD, CCC/A Director		RESIDENT RESEARCH Nira Goldstein, MD Director of Clinical Research Richard Kollmar, PhD Director of Basic Sci Research Richard M. Rosenfeld, MD Surveys and Systematic Reviews
HEAD & NECK and MICROVASCULAR & SKULL BASE SURGERY Krishnamurthi Sundaram, MD Natalya Chernichenko, MD Ofer Azoulay, MD Michael Weiss, MD Victor Lagmay, MD Gady Har-El, MD			
FACIAL PLASTICS & RECONSTR. SURGERY Sydney Butts, MD Lee Kaplowitz, MD			
LARYNGOLOGY, VOICE & SWALLOWING DISORDERS Boris Bentsianov, MD Sara Abu-Ghanem, MD			
RHINOLOGY & ALLERGY Marina Boruk, MD			

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 2018 to 2019 academic year, the department had ten full-time academic faculty, three full-time affiliate faculty, six part-time faculty, thirty voluntary faculty and contributing physicians, two audiologists, and one PhD.

Full-Time Academic Faculty



Richard M. Rosenfeld, MD, MPH, MBA

Distinguished Professor, Chairman, and Program Director of Otolaryngology at SUNY Downstate, Vice Chair of the SUNY Distinguished Academy Executive Board, 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 received the AAO-HNS Distinguished Service Award (four 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 has chaired numerous national committees in the AAO-HNS and ASPO. He is the author, coauthor, or editor of 5 books and over 340 scientific publications and textbook chapters, including chapters in "Bailey" and "Cummings" on understanding data and medical literature. Dr. Rosenfeld has given over 950 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.



Frank Lucente, MD

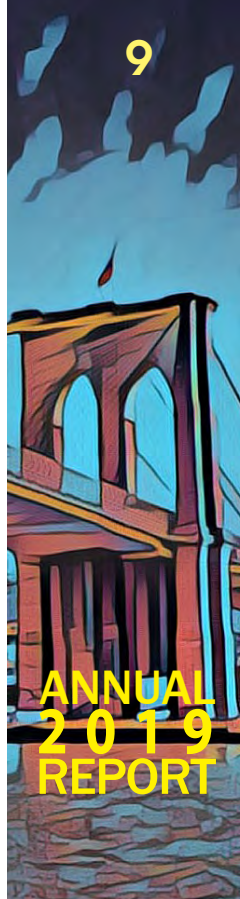
Professor and former chairman. He is a graduate of Yale University School of Medicine and residency at Washington University. In 1990 he became Chairman at SUNY –Downstate and LICH. He was President of the Triological Society. He has been Vice President and Coordinator for Instruction Courses for the 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.



Krishnamurthi Sundaram, MD

Dr. 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



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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.



Boris Bentsianov, MD

Dr. 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.



Marina Boruk, MD

Dr. Boruk, Assistant Professor of Otolaryngology, 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).



Sydney Butts, MD

Dr. Butts, Associate Professor of Otolaryngology, serves as Vice Chair and 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. She has written several book chapters and journal articles, presented research at national academic meetings, and been a guest faculty and invited lecturer on multiple reconstructive topics. Dr. Butts currently serves as the faculty coordinator for the Grand Rounds Program, supervising scheduling of faculty speakers and educational content.



Natalya Chernichenko, MD

Dr. Chernichenko serves as an Assistant Professor of Otolaryngology and Chief of Head and Neck Surgery. Her clinical expertise lies in the diagnosis and management of benign and malignant tumors of the head and neck, including salivary gland, thyroid and 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 with an emphasis on 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. Dr. Chernichenko's research interest is focused on exploring the molecular mechanisms of nerve invasion by human carcinomas with the goal of identifying novel therapeutic targets. She is a recipient of the Young Investigator Award from the American Head and Neck Society.



Nira A. Goldstein, MD, MPH

Dr. Goldstein, Professor of Otolaryngology, 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 the Associate Residency Program Director, Director of Medical Student Education and

Director of Clinical Research in the department and Clinical Assistant 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

Dr. Matthew Hanson, Assistant Professor and 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 EAR 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. Dr. Hanson continues to have active clinical and research interests in all aspects of Otolaryngology and Neurotology. This includes disorders of balance, disorders of the facial nerve, skull base disease (including treatment of acoustic neuroma) and of course, disorders of hearing and cochlear implantation. 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.

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Richard Kollmar, PhD

Dr. 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 an Associate Professor in Cell Biology and an Assistant Professor and 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 treatments to restore recurrent-laryngeal-nerve function after injury. This is a translational research project in collaboration with Dr. Silverman and Dr. Sundaram as well as Dr. Stewart (Physiology & Pharmacology and Neurology). 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 Plum, MD

Dr. Plum joined the Department of Otolaryngology at the State University of New York – Downstate Medical Center as an Assistant Professor of Otolaryngology and Chief of Pediatric Otolaryngology in August 2018. She is a graduate of Smith College and the University of Miami Leonard M. Miller School of Medicine. She completed her residency in Otolaryngology at the State University of New York – Upstate Medical University. She completed fellowship training in Pediatric Otolaryngology at the University of North Carolina at Chapel Hill. Dr. Plum's clinical interests are in the management of Ear, Nose and Throat Disorders in Children with a specific focus on disorders of the Pediatric Airway, chronic ear disease, and Pediatric Hearing loss.

New Faculty



Sara Abu-Ghanem, MD

Sara Abu-Ghanem MD MMedSc is an otolaryngologist with expertise in voice, airway, and swallowing disorders. She obtained Bachelor of Science, Master of Medicine in Microbiology and Immunology, and an Doctorate of Medicine 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, and New York University School of Medicine. Dr. Abu-Ghanem is Assistant Professor of Otolaryngology at Downstate Medical Center and has recently joined as a faculty member in

the Department of Surgery at Maimonides Medical Center. Dr. Abu-Ghanem has published numerous scientific articles and is active participant in national and international conferences.



Ofer Azoulay, MD

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.

Full-Time Affiliate Faculty



Victor Lagmay, MD

Dr. Lagmay trained in general surgery and otolaryngology at New York University Medical Center. He completed a fellowship in Head & Neck Surgery at the Beth Israel Medical Center Institute for Head and Neck Cancer in New York. He is currently the division director for Head & Neck Cancer Surgery at the Maimonides Cancer Center in Brooklyn. He is the clinical director of the Endoscopic Dysphagia Service at Maimonides Medical Center. Dr. Lagmay is board-certified in his specialty and is a Fellow of the American College of Surgeons. Dr. Lagmay 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. He has been acknowledged as a Castle Connolly Top Doctor in the New York Metro Area for several years. He serves as an Honorary Police Surgeon for the City of New York.



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.

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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 Chief of Head and Neck Surgery and Oncology at Lenox Hill Hospital. 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, and the New York Laryngological Society, and he is currently the President-Elect of the American Laryngological Association. Dr. Har-El is also the Vice-President-Elect of the Triological Society. Also, he is a fourth 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 21 consecutive years (1994-2015). He has been also listed in the "America's Top Doctors for Cancer" directory for the last 9 years. Dr. Har-El recently published a two volume set "Head and Neck Surgery" which he co-edited. Dr. Har-El has been invited to lecture and teach in Europe, Asia, Middle East, Africa and Central and South America.



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. She is the author or co-author of numerous journal articles and book chapters, and she has presented original research at national and local meetings.



Abraham Shulman, MD

Dr. Shulman, Prof. Emeritus Clinical Otolaryngology, SUNY-Downstate, is a graduate of the Kings County Hospital Center, Division of Otolaryngology – 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 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. Dr. Shulman 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. Dr. Shulman's research interests include sensorineural hearing loss, electrical and ultrahigh frequency acoustical stimulation of the cochleovestibular system, vestibular evoked response, mechanisms of tinnitus production, translation of functional brain imaging with nuclear medicine and EEG based electroencephalography –QEEG/LORETA, understanding brain function in the presence of the tinnitus signal, development of tinnitus targeted drugs. Dr. Shulman's clinical interests include hearing loss, tinnitus, vertigo, and the fluid dynamics between ear and brain. Dr. Shulman is an international figure for the symptom of tinnitus.



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. His society affiliations include the American Academy of Otolaryngology, the American Academy of Facial Plastic Surgery, the American College of Surgeons, the Rhinoplasty Society and the New York Facial Plastic Surgery Society. Dr. Westreich has published numerous clinical papers on sinonasal disorders, functional nasal surgery, rhinoplasty techniques, and methods for correcting the deviated nose. Dr. Westreich also serves as a reviewer for the American Journal of Rhinology and is a member of several AAFPRS committees

(Multimedia, Emerging Trends and Technology, and Fellowship Compendium) and the past president of the New York Facial Plastic Surgery Society.

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



Mark Carney, MD

Dr. Mark Carney received his medical degree from the State University of New York Health Science Center in Syracuse in 1989. He completed his General Surgery internship and Otolaryngology residency at Thomas Jefferson University Hospital in Philadelphia. He went on to work at Mt Sinai Medical Center in Miami Beach FL and served as a Clinical Instructor at the University of Miami. Dr. Carney is Board Certified in Otolaryngology. He is a member of the American Academy of Otolaryngology-Head and Neck Surgery. He has special interest in endoscopic sinus surgery, voice problems, and head and neck cancer surgery.

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Scott Harris, MD

Dr. Harris graduated from Drexel University College of Medicine with multiple awards and honors, including membership in the prestigious Alpha Omega Alpha Honor Society. He then went on to complete a rigorous five-year residency in Otolaryngology Head and Neck Surgery at the State University of New York Downstate Medical Center. This prolific training included comprehensive patient care from start-to-finish in an underserved area and the performance of almost 3000 operative procedures. Dr. Harris also has a number of research publications, book chapters and had presented his work both nationally and internationally. Dr. Harris is now an attending physician with office hours in Great Neck and Huntington, a position as staff physician at North Shore University Hospital in Manhasset, and Assistant Professor of Otolaryngology at Hofstra University College of Medicine. He is the lead physician for the advance care practitioners for the Northwell Otolaryngology service line and has interest in nasal, sinus, skull base surgery as well as salivary gland surgery.



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.



Shawn C. Ciecko, MD, FACS

Dr. Ciecko is currently an associate at ENT and Allergy Associates LLP in Staten Island, NY and Clinical Instructor at SUNY Downstate/Long Island College Hospital. He completed both internship in General Surgery and residency in Otolaryngology Head and Neck Surgery at the Duke University Medical Center. He has received several honors in his career including Duke Hospital's consultant of the year in 2006. Dr. Ciecko's interests are in both adult and pediatric ENT, advanced endoscopic sinus surgery, head and neck cancer surgery, thyroid and parathyroid surgery and obstructive sleep apnea. He has a special interest in Thyroid surgery. Dr. Ciecko is Director of ISMS – Team ENT that travels internationally on humanitarian missions performing Otolaryngology Head and Neck surgery as well as Plastic Surgery on a yearly basis.

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. 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".

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.

**Neil M. Sperling, MD**

Dr. Sperling is Adjunct Associate Professor and previous director of the Division of Otology in the Department of Otolaryngology. He is Associate Professor of Otolaryngology at Zucker School of Medicine at Hofstra.

After completing his medical education at New York Medical College and Residency training at the New York Eye and Ear Infirmary, Dr. Sperling completed fellowship training in otologic research and surgery in Minneapolis with Dr. Michael Paparella at the Minnesota Ear, Head and Neck Clinic and the University of Minnesota. Dr. Sperling was involved in the creating the first cochlear implant program in the Borough of Brooklyn at SUNY affiliated hospitals, which continues today. Dr. Sperling's special clinical and research interests include otosclerosis, immune-mediated hearing loss, and tympanic membrane retraction.

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

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 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-
 Society of University Otolaryngologists, 1994-
 Triological Society, 2003-
 American Otological Society, 2004-
 Guideline International Network (G-I-N), 2009-
 International Society for Otitis Media, 2013-
 SUNY Distinguished Academy, 2016-

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

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.

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-

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 Academy of Otolaryngology, 2005
 American Association for Cancer Research, 2011
 American Society of Clinical Oncology, 2011
 American Head and Neck Society, 2013
 New York Head and Neck Society, 2014 (Executive committee member)
 Fellow of the American College of Surgeons, 2016
 Cancer Leadership Committee – SUNY Downstate Hospital
 Cancer Committee – Kings County Hospital Center
 Cancer Committee – NYPBH
 Scientific Review Committee – SUNY Downstate Hospital

Christopher de Souza, DORL, MS, DNB

Elected to the American Academy of Otolaryngology-Head and Neck Surgery
 The New York Academy of Sciences
 Fellow of the American College of Surgeons
 Fellow American Neurotological Society

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



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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

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

Richard Kollmar, PhD

Society for Neuroscience, Association for Research in Otolaryngology

Ann Plum, MD

American Academy of Otolaryngology Head and Neck Surgery
 The Triological Society
 American Society of Pediatric Otolaryngology
 Alpha Omega Alpha
 Phi Beta Kappa
 Sigma Xi

Michal Preis, MD

American Academy of Otolaryngology-Head and Neck Surgery

Abraham Shulman, MD

American Academy of Ophthalmology & Otolaryngology - Fellow 1962
 American College of Surgeons - Fellow 1974
 American Academy of Facial Plastic & Reconstructive Surgery - Fellow - 1963, Emeritus – 1997
 American Neurotology Society - Fellow 1974
 Association for Research in Otolaryngology -1964
 American Society for Laser Medicine and Surgery - Fellow Physician 1995;
 Life Associate Fellow 2009
 American Medical Association - Queens County Medical Society;
 New York Academy of Science Member- 1962-
 Society of Sigma XI – SUNY Downstate Medical Center Chapter

Neil Sperling, MD

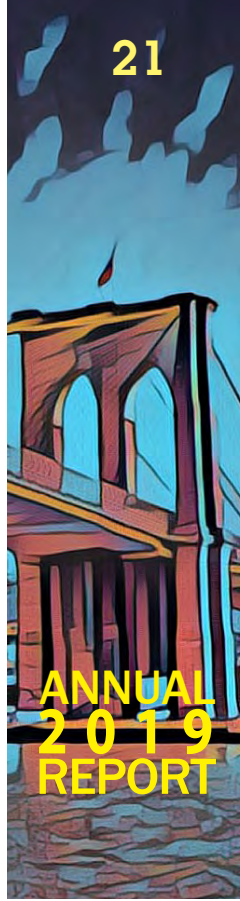
American Academy of Otolaryngology - Head & Neck Surgery
 American Neurotology Society, Fellow status
 Medical Society of the State of New York
 New York Otological Society, president 2015

Richard Westreich, MD

American Academy of Otolaryngology - Head and Neck Surgery
American Academy of Facial Plastic and Reconstructive Surgery
American Rhinologic Society
NY Facial Plastic Surgery Society
Rhinoplasty Society
Fellow of the American College of Surgeons
Chair, AAFRPS Publications Sub-Committee

Michael Weiss, MD

American Academy of Otolaryngology – Head and Neck Surgery
American College of Surgeons
American Head and Neck Society
Triological Society (Fellow)
New York Head and Neck
New York Laryngologic (Past President)



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VISITING LECTURER

Richard M. Rosenfeld, MD, MPH, MBA

Otitis media concepts and controversies. 4th International Course on Pediatric Otorhinolaryngology, Puebla, Mexico, August 2018.

Evidence-based tonsillectomy. 4th International Course on Pediatric Otorhinolaryngology, Puebla, Mexico, August 2018.

Current guidelines for pediatric sinusitis. 4th International Course on Pediatric Otorhinolaryngology, Puebla, Mexico, August 2018.

Otitis media roundtable. 4th International Course on Pediatric Otorhinolaryngology, Puebla, Mexico, August 2018.

Care of the child with tympanostomy tubes. 4th International Course on Pediatric Otorhinolaryngology, Puebla, Mexico, August 2018.

Understanding clinical practice guidelines. AAO-HNS Guideline International Network (G-I-N) Scholars, G-I-N 2018 Conference, Manchester, UK, September 2018.

Understanding systematic reviews. AAO-HNS Cochrane Scholars, Cochrane Colloquium, Edinburgh, UK, September 2018.

Topic vetting and feedback for systematic reviews. AAO-HNS Cochrane Scholars, Cochrane Colloquium, Edinburgh, UK, September 2018.

How to read, interpret, and create systematic reviews. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

Implications of the AAO-HNS clinical consensus statement on pediatric chronic rhinosinusitis for clinicians. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

AAO-HNS clinical consensus statement on balloon dilation of the Eustachian tube. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

Evidence-based otitis media. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

Expert's guide to tympanostomy tubes. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

AAO-HNS quality measures and clinical advisory committee engagement. AAO-HNS Annual Meeting, Atlanta, GA, October 2018.

Organizational culture breakout session summary report. IMPACT 2015 Strategic Planning, SUNY Global Center, New York, NY, January 2019.

The importance of passion, planning, and persistence in guideline development. Guideline International Network North American Community Meeting, HHS/AHRQ Conference Center, Rockville, MD, March 2019

Meaningful engagement of consumers in clinical practice guideline development. Guideline International Network North American Community Meeting, HHS/AHRQ Conference Center, Rockville, MD, March 2019

Medical therapy for chronic rhinosinusitis in children. First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

How guidelines, measures, and registries improve quality in otolaryngology First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

Balloons and gadgets for otitis media with effusion. First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

Shared decision-making and patient engagement in otolaryngology. First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

Upper lip frenotomy for breastfeeding difficulties. First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

Judicious and appropriate antibiotic use in pediatric otolaryngology. First World Congress on Pediatric ENT, Buenos Aires, Argentina, April 2019.

Innovations in healthcare panel discussion, moderator. Innovations in Healthcare Delivery Symposium, SUNY Global Center, Oswego School of Business and MBA, April 2019.

Making better sense of research results with statistics. SUNY Undergraduate Research Conference, Farmingdale State College, Farmingdale, NY, April 2019

Difficult patients. ASPO Annual Meeting, Austin, TX, May 2019

A plant-based journey to health and wellness. Plant-based Meetup, Brooklyn Borough Hall, Brooklyn, NY, May 2019

Experts guide to tympanostomy tubes. Otolaryngology Grand Rounds, SUNY Upstate Medical Center, Syracuse, NY, May 2019

Physician heal thyself. Otolaryngology Grand Rounds, SUNY Upstate Medical Center, Syracuse, NY, May 2019

Extraordinary responsibility: how distinguished faculty give back to SUNY. Moderator. SUNY Distinguished Academy Annual Meeting, Albany, NY, June 2019

From evidence to action: making guidelines that will guide someone. 20th International Symposium on Recent Advances in Otitis Media, Hollywood, CA, June 2019

Office insertion of tympanostomy tubes in young children: lessons learned over 10 years. 20th International Symposium on Recent Advances in Otitis Media, Hollywood, CA, June 2019

Sydney Butts, MD

Restoring Function, Appearance and Quality of Life in Patients with Congenital and Acquired Deformities of the Face. Department of Surgery Grand Rounds. New York Presbyterian-Brooklyn Methodist Hospital, September 19, 2018

Children are not small adults: reconstructive challenges in children and adults and how the treatment approaches differ. "Lunch with the Experts" at the American Academy of Otolaryngology Foundation Annual Meeting, Atlanta GA, October 2018

AO North America-Co-Chairperson-Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction. Long Island, New York, October 2018

Cleft Lip/Nasal Deformity. 9th Biannual Facial Reconstruction and Soft Tissue Surgery Course, Rutgers New Jersey Medical School, October 2018

Mandibular Trauma: Optimizing Outcomes; Reconstruction of the Cleft Lip-Palate Deformity; Maxillofacial Pathology and Radiology Cases. Second District Dental Society-NY State Dental Society and the American Dental Association Continuing Education lecture series, October 12, 2018

Butts SC, Sturm A, Dobratz E, Lighthall J and Kridel R. Post-operative analgesia in facial plastic surgery: current trends and future directions. Panel discussion at American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting, Dallas TX, October 2018

Disparities in Cleft Care- Interactive Cleft and VPD Conference-Sponsored by the Louisiana State University School of Medicine, New Orleans, LA, January 2019

Adriane L. Baylis, PhD; Adam Johnson, MD, PhD (moderators), Steven Goudy, MD; Sydney C. Butts, MD; Shelagh A. Cofer, MD; David R. White, MD. Panel: Which Surgery? Interactive Cleft and VPD Conference-Sponsored by the Louisiana State University School of Medicine, New Orleans, LA, January 2019

Marina Boruk, MD

41st Annual Vanderbilt Otolaryngology Symposium: George A. Sisson International Workshop, Vail, CO, February, 2019

Nira Goldstein, MD

Updates in Pediatric Tonsillectomy. Invited lecture at the SUNY Downstate Medical Center Pediatric Resident Conference, Brooklyn, NY, January 18, 2019

Updates in Pediatric Tonsillectomy. Invited lecture at the Northwell/ Long Island Jewish Hospital Department of Otolaryngology Grand Rounds, New Hyde Park, NY, January 31, 2019

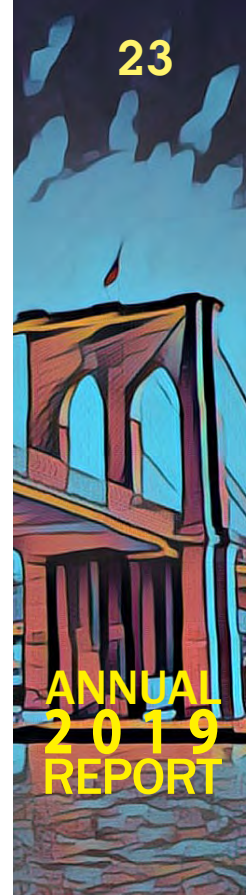
Tonsillectomy Controversies. Invited lecture at the UPMC/Children's Hospital of Pittsburgh 24th Symposium: Challenges and Controversies in Pediatric Otolaryngology, Pittsburgh, PA, February 1, 2019

Matthew Hanson, MD

Rutgers New Jersey Medical School Department of Otolaryngology Grand Rounds, "The Facial Nerve", Newark, NJ, February 13, 2019

Michal Preis, MD

Columbia Endoscopic Ear Surgery Course, May 2019
World Congress on Endoscopic Ear Surgery, June 2019



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AWARDS, HONORS, & SPECIAL ACHIEVEMENTS

Richard M. Rosenfeld, MD, MPH, MBA

Completed a Health Services Administration MBA degree from SUNY Oswego

Keynote Speaker, Guideline International Network North American Community Meeting, HHS/AHRQ Conference Center, Rockville, MD, 2019

Program Chair, 8th Annual Meeting of the SUNY Distinguished Academy, 2019

Co-Chair, Harnessing the Power of Plant Based Nutrition, SUNY Downstate 2019

President of the University Hospital of Brooklyn Medical & Dental Staff

Keynote Speaker, SUNY Undergraduate Research Conference, Farmingdale State College, Farmingdale, NY, 2019

Senior Advisor for Guidelines and Measures, AAO-HNS

America's Top Doctors, Castle-Connolly Medical Ltd
Top Doctors in America, Consumer Research Council

Best Doctors in America, Best Doctors, Inc.

Best Doctors in NY, New York Magazine, Inc.

Boris Bentsianov, MD

American Academy of Otolaryngology-
Outstanding Committee Award-Airway and Swallowing Committee

Marina Boruk, MD

Lead Chair of Home Study Course working group
Invited to AAOA Faculty retreat for web content development

ARS Physician Champion at SUNY Downstate Medical Center – nominated by ARS Marketing committee

Re-Elected as UPB representative alternate by peer faculty

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)

Successful completion of MIPS reporting with REG-ENT (2018) on behalf of the Department of Otolaryngology

Sydney Butts, MD

Brooklyn Children's Society Award

UUP Professional Development Award

Chapter Author-Essentials of Otolaryngology – Head & Neck Surgery

Co-Director, Annual Head Neck Conference on Management of Facial Paralysis

Natalya Chernichenko, MD

Course Director, Annual Multidisciplinary Head & Neck Symposium

Nira Goldstein, MD, MPH

New York Super Doctors 2019

Appointed Co-Chair of GMEC Clinical Learning Environment Committee

Matthew Hanson, MD

America's Top Doctors, Castle-Connolly Medical Ltd
Super Doctors (NY Times Sunday magazine), Best Doctors

Senior author, "The COACH Score" Oral Presentation at COSM, won Best Resident Presentation Award

Ann Plum, MD

Kings County Health Center's Department of Otolaryngology 2019 Doctors Week

Faculty Honoree

SUNY Downstate's GME Department of Otolaryngology Head and Neck Surgery

Leadership Forum and BOG Spring Meeting, April 2019

Abraham Shulman, MD

Castle Connolly Top doctors: 5 Years Award

Marquis Who's Who in America 2018

Krishnamurthi Sundaram, MD

NY Superdoctor

Marquis Who's Who

Division Chief, Department of Otolaryngology, NYPBMH

NYPBMH Healers Hall of Fame

Outstanding Teaching Award, presented by graduating SUNY Downstate 2019 -Department of Otolaryngology Residents

Richard Westreich, MD

Chair of the AAFRPS Publications Sub-committee
NY Magazine Best Doctors for 2019

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

AWARDS, HONORS, & SPECIAL ACHIEVEMENTS

Anthony Alessi, MD

Resident Honoree, SUNY Downstate -
Department of Otolaryngology Resident
Graduation

George Ferzli, MD

Kings County Doctors Day Award

Rachel Irizarry, MD

14th Annual New York Metropolitan Resident
Research Day Competition - Second Place

Daniel Sukato, MD

Resident Reviewer for 2019 AAO-HNSF CORE
Study Section
AAO-HNSF Trauma Committee 2019
AAO-HNSF Microvascular Committee 2019

Sandra Ho, MD

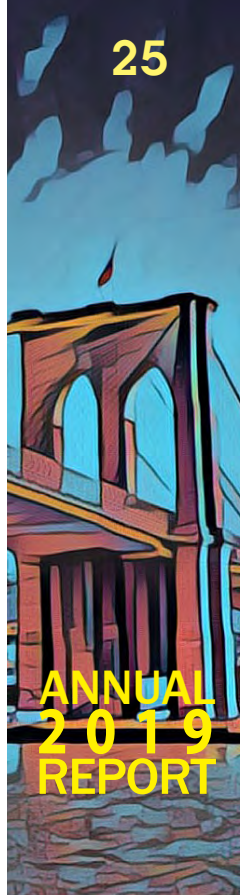
John Conley Resident Research Award

Ryan Tabtabai, MD

Appointed KCHC CIR representative for
Otolaryngology.
Preparer and recipient of Kings County Hospital
Center equipment grant.
Appointed to AAOHNS committee on medical
devices and drugs.

Derek Wu, MD

Fellowship match at Northwestern University -
Feinberg School of Medicine
Rhinology and Skull Base Surgery 2020-2021



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DEPARTMENT EVENTS **HOLIDAY PARTY AT CHINAR**

(L to R): Lana, Saleh and his wife Jennifer, Veronica and Dr. Natalya Chernichenko



Dr. Lagmay, Dr. Boruk and her husband Boris



Party attendees socializing at the cocktail hour



(L to R): Residents Wu, Kansal, Patel, Ho, Ferzli and his wife Caitlin

DEPARTMENT EVENTS HOLIDAY PARTY AT CHINAR



(L to R): Resident Irizarry's friend Kevin, Residents Irizarry, Patel, Wu, Timashpolsky and PA Ramcharit



Resident Weber and Resident Hopkins



On the dance floor



On the dance floor



Professional singer provided by the venue

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DEPARTMENT EVENTS **HOLIDAY PARTY AT CHINAR**

On the dance floor



On the dance floor



(L to R): Resident Irizarry's friend Kevin, Residents Gulati, Weber, Sukato, Irizarry, Wu and Patel

DEPARTMENT EVENTS GRADUATION DINNER AT THE WATER CLUB



Graduating Resident Ferzli and his family



Resident Schild and his wife Ilana



Dr. Jessica Lim and Dr. Sydney Butts



Graduating Resident Alessi and his family



(L to R): Mindy, Dr. Rosenfeld's wife, Dr. Marina Bourk and Rivi, Dr. Har-El's wife

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DEPARTMENT EVENTS GRADUATION DINNER AT



Dinner attendees socializing at the cocktail hour

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Dr. Rosenfeld speaking to the guest while both graduating residents were watching



Dinner attendees socializing at the cocktail hour



Dinner attendees socializing at the cocktail hour



Graduating Resident Alessi speaking to the guests

THE WATER CLUB



Graduating Resident Ferzli speaking to the guests



Dr. Rosenfeld speaking to the guests while both graduating residents were watching



Dinner attendees socializing at the cocktail hour



Dinner attendees



(L to R): Ilana, Resident Schild's wife, Resident Schild, Lawrence, husband of Resident Ho, Resident Ho and Resident Timashpolsky

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DEPARTMENT EVENTS GRADUATION DINNER AT



(L to R): Incoming PGY-1 Residents Tominaga, Mathews and Liang



Graduating Resident Ferzli (in the middle) and his parents



Dr. Rosenfeld speaking to the guests



(L to R): Dr. Chernichenko, Dr. Azoulay (new faculty) and Dr. Abu-Ghanem (new faculty)



(L to R): Resident Tabtabai, Resident Schild, and his wife Ilana and Resident Ballard



Dr. Sundaram's wife Revathy, John and his wife Sharon

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Staff (L to R): Nicole, Mariam, Carole, Bibi, Maria, Sheneeza, Billy's wife Katherine and Billy



New Faculty (L to R): Dr. Sara Abu-Ghanem and Dr. Ofer Azoulay



Dinner attendees



Dinner attendees socializing at the cocktail hour



Dr. Rosenfeld speaking to the guests

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DEPARTMENT EVENTS **GRADUATION DINNER AT**

(L to R): Incoming PGY 1 Residents, Mathews, Tominaga and Liang



Graduating Resident Ferzli speaking to the guests



Dr. Rosenfeld's wife Mindy



Graduating Resident Alessi and his family



One of the tables for residents



Dr. Goldstein speaking to the guest

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Graduating Resident Ferzli and his family



Dr. Michael Weiss



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



Staff (L to R): Bibi, Sheneeza and Nicole

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DEPARTMENT EVENTS GRADUATION DINNER AT



Dr. Rosenfeld congratulating graduating residents, Drs. Alessi and Ferzli



Dinner attendees



(L to R): Graduating Resident Alessi, Dr. Victor Lagmay, Outstanding Teaching Award Recipient, and Graduating Resident Ferzli



Sitting (L to R): Residents Timashpolsky, Irizarry, Wu, Ballard and Sukato; standing: (L to R): Graduating Resident Alessi, Resident Ho and Graduating Resident Ferzli



Dr. Rosenfeld presenting one of the books to Graduating Residents Alessi and Ferzli



(L to R): Graduating Resident Ferzli, Graduating Resident Alessi and Dr. Krishnamurthi Sundaram, Outstanding Teaching Award Recipient

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Another resident table



Graduating Resident Alessi, PA Maria Pallotta, Most Dedicated Staff Award Recipient and Graduating Resident Ferzli



Dinner attendees

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DEPARTMENT EVENTS **SUNY DISTINGUISHED
ACADEMY**



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Department Chairman, Richard Rosenfeld, in Albany with SUNY Chancellor Kristina Johnson and Provost Tod Laursen in his capacity as program chair at the 2019 Annual Meeting of the SUNY Distinguished Academy

PUBLICATIONS

Ballard DP, Timashpolsky A, Sukato DC, Babu S, Rosenfeld RM, Hanson M. Quality of Life Outcomes Following Surgical Treatment of Meniere's Disease: A Systematic Review and Meta-Analysis. *Otolaryngology-Head and Neck Surgery*. 2018 Oct 9. <https://doi.org/10.1177/0194599818803612>.

Ballard DP, Patel P, Schild S, Ferzli G, Gordin E. Ectopic Thyroid Presenting as a Supraclavicular Mass: A Case Report and Literature Review. *Journal of Clinical and Translational Endocrinology Case Reports*. 2018 Sep 20. <https://doi.org/10.1016/j.jecr.2018.09.001>.

Ballard DP, Abramowitz JM, Sukato DC, Bentsianov B, Rosenfeld RM. Systematic Review of Voice Outcomes for Injection Laryngoplasty Performed Under Local Versus General Anesthesia. *Otolaryngology-Head and Neck Surgery*, 159(4), 608-614. 2018 Jul 10. <https://doi.org/10.1177/0194599818780207>.

Loyo M, **Butts SC**, Khan S, Brenner MJ, Allcroft R, Lighthall JG, Ishii L. Does Surgical Case Duration Predict Risk of Complications in Facial Plastic Ambulatory Surgery Procedures? The Current Evidence. *JAMA Facial Plastic Surgery*. 2019 21(2): 167-168.

Butts SC, Reynolds S, Gitman L, **Patel P**, Joseph M. Patterns of Orofacial Clefting in New York City from 1983-2010: The Impact of Racial Background, Birthplace and Public Health Strategies. *Cleft Palate Craniofac J*. 2018 55(9):1191-9.

Christopher de Souza. Textbook of Otorhinolaryngology. Second Edition. Jaypee Brothers Publishers, New Delhi, India, 2019.

Christopher de Souza. Diseases of the Thyroid and Parathyroid glands: Plural Publishers, San Diego, USA.

Ferzli G, Sukato D, Mourad M, Kadakia S, Gordin EA, Ducic Y. (15 April 2019). Aggressive necrotizing fasciitis of the head and neck resulting in massive defect. *Ear Nose Throat J*. 2019 Apr-May;98(4):197-200. doi: 10.1177/0145561319839789. Epub 2019 Apr 15. PMID: 30987458

Goldstein NA, Thomas MS, Yu Y, Weaver DE, Watanabe I, Dimopoulos A, Wasserman J, Ahmad SQ, Ednick M, **Vastola AP**, Weedon J.: The Impact of Adenotonsillectomy on Pediatric Asthma. *Pediatr Pulmonol*. 54:20-26, 2019.

Nardone H., Baldassari C, **Goldstein NA**, Walsh JM. Child with Snoring. American Academy of Otolaryngology Head and Neck Surgery Academy U Patient Management Perspectives in Otolaryngology; 2018.

Baldassari C, Schloegel LJ, Don DM, **Goldstein NA**, Nardone HC. Controversies in Management of Infant and Childhood Ankyloglossia. American Academy of Otolaryngology Head and Neck Surgery eCourse; 2018.

Goldstein NA. Obstructive Sleep Apnea in the Pediatric Population. In: Alper CM, Myers EN, Eibling DE, eds. *Decision Making in Otolaryngology*. 2nd ed. Pittsburgh, PA: JP Brothers; 2019.

Goldstein NA, Hammerschlag MR. Peritonsillar, retropharyngeal, and parapharyngeal abscesses. In: Cherry JD, Harrison GJ, Kaplan SL, Steinbach WJ, Hotez PJ, eds. *Feigin & Cherry's Textbook of Pediatric Infectious Diseases*. 8th ed. Philadelphia, PA: Elsevier, Inc; 2019:117-123.

Irizarry R, Shatzkes, DR, Teng S, **Kohli N, Har-El G.** Osteoradionecrosis of the sternoclavicular joint after laryngopharyngeal radiation. *Laryngoscope*. 2019 Apr;129(4):865-870. doi:10.1002/lary.27324. Epub 2018 Nov 19.

Stewart M, Mooney S, Chin B, Villiere S, **Kollmar R, Sundaram K**, Lazar J, Kim S, Silverman J, Nakase K. Diving responses elicited by nasopharyngeal irrigation mimic seizure associated central apneic episodes in a rat model. *Neurobiol Dis*. 2019 Apr;124:408-415. doi: 10.1016/j.nbd.2018.12.019. Epub 2018 Dec 25. PMID 30592975.

Villiere S, Nakase K, **Kollmar R**, Arjomandi H, Lazar J, **Sundaram K**, Silverman JB, Lucchesi M, Wlody D, Stewart M. A resuscitation option for upper airway occlusion based on bolus transtracheal lung inflation. *Laryngoscope Investig Otolaryngol*. 2018 Aug 9;3(4):296-303. doi: 10.1002/lio2.173. eCollection 2018 Aug. PMID 30186961

Patel PS, Wu DB, Schwartz Z, **Rosenfeld RM.** Upper lip frenotomy for neonatal breastfeeding problems. *Int J Pediatr Otorhinolaryngol* 2019; 124:190-2.

Mitchell RB, Archer SM, Ishman SL, **Rosenfeld RM**, et al. Clinical practice guideline: tonsillectomy in children (update). *Otolaryngol Head Neck Surg* 2019; 160(Suppl):S1-S42.

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Clinical practice guideline: tonsillectomy in children (update): executive summary. Mitchell RB, Archer SM, Ishman, **Rosenfeld RM**, et al. *Otolaryngol Head Neck Surg* 2019; 160:187-205.

Anne S, **Rosenfeld RM**. Role of consumers in guideline development process. *Otolaryngol Head Neck Surg* 2018; 159; 211-2.

Tucci DL, McCoul ED, **Rosenfeld RM**, et al. Clinical consensus statement: balloon dilation of the Eustachian tube. *Otolaryngol Head Neck Surg* 2019 Jun 4;194599819848423. doi: 10.1177/0194599819848423. [Epub ahead of print].

Subtil J, Jardim A, Araujo J, Moreira C, Epa T, McMillan M, Simoes Dias S, Vera Cruz P, Voegels R, Paço J, **Rosenfeld RM**. Effect of water precautions on otorrhea incidence after pediatric tympanostomy tubes: randomized controlled trial evidence. *Otolaryngol Head Neck Surg* 2019; Apr 16;194599819844487. doi: 10.1177/0194599819844487. [Epub ahead of print].

Hassen GW, Kesner L, Stracher A, **Shulman A**, Rockenstein E, Mante M, Adame A, Overk C, Rissman R, and Masliah E. Effects of Novel Calpain Inhibitors in Transgenic Animal Model of Parkinson's disease/dementia with Lewy bodies. *Scientific Reports* 2018; Volume 8, Article number: 18083.

Sperling N, D'Aprile M, Yerdon S. Extended-Wear Hearing Technology; The Non-Implantables. *Otolaryngol Clin North Am* (52) 221-230. 2019

Sukato DC, Ballard DP, Abramowitz JA, Rosenfeld RM, Mlot SJ. Robotic Versus Conventional Neck Dissection: A Systematic Review and Meta-Analysis. *Laryngoscope*.2019 June 18. <https://doi.org/10.1002/lary.27533>.

Sukato D, Timashpolsky A, Ferzli G, Gordin EA. A Systematic Review and Meta-analysis of Supraclavicular Artery Island Flap vs. Free Tissue Transfer in Head and Neck Reconstruction. *Otolaryngology Head and Neck Surgery*. 2019 Feb.

Bobka TW, **Sukato D**, Kohli NV, Worku B, Gulkarov IM, D'Ayala M. (25 April 2018). Endovascular management of tracheo-subclavian fistula. *Ann Vasc Surg*. 2018 Nov; 53:267.e1-267.e4. doi: 10.1016/j.avsg.2018.04.025. Epub 2018 Aug 25. PMID: 30012451.

Floyd EM, **Sukato D**, Perkins SW. (10 Jan 2019). Advances in face-lift techniques, 2013-2018: A systematic review. *JAMA Facial Plast Surg*. 2019 May 1;21(3):252-259. doi: 10.1001/jamafacial.2018.1472.

Naples JG, Canfarotta M, **Tabatabai R**, Sparks D, Parham K, Falcone T. Otolaryngology interest groups: A potential solution to the residency match crisis. *Laryngoscope Investig Otolaryngol*. 2018 Dec 28;4(1):24-29. doi: 10.1002/liv.2.234. eCollection 2019 Feb.

Naples JG, Canfarotta M, **Tabatabai R**, Sparks D, Parham K, Falcone T, **Timashpolsky A, Butts SC**. Nasal Continuous Positive Airway Pressure Injuries: A Clinical Challenge. *JAMA Facial Plastic Surgery*. 2019 21(2): 165-166.

Timashpolsky A, Hutnik R, Mortensen MM. Rheumatoid Nodule of the Vocal Fold With Spontaneous Regression From Immunosuppressant Therapy. *Ear Nose Throat J*. 2019 May 9;145561319849379. doi: 10.1177/0145561319849379. [Epub ahead of print]

Delliturri A, Pearl J, Zahir I, **Weiss MH**, Wiesel O. Follicular thyroid carcinoma presenting as a manubrium mass. *JAMA Otolaryngol Head Neck Surg*. 2019 Jun 1;145(6):581-583. doi: 10.1001/jamaoto.2019.0327.

Wu D, Wasserman JB, **Boruk M**. Practice patterns of systemic corticosteroid use in complicated acute rhinosinusitis among rhinologists and pediatric otolaryngologists. *Am J Rhinol Allergy*. 2018 Nov;32(6):485-490

Wu D, Virbalas J, Lee A, Bent J. Posterior cricoid-graft mismatch in laryngotracheal reconstruction. *Int J Pediatr Otorhinolaryngol*. 2018 Aug;111:93-96. doi: 10.1016/j.ijporl.2018.05.025. Epub 2018 May 29.

Bur A, **Rosenfeld RM**. Is GRADE the right choice for clinical practice guidelines developed by the AAO-HNSF? *Otolaryngol Head Neck Surg* 2019; In press.

Boruk M, Railwah C, **Wu D**...**Rosenfeld RM**, et al. Cytokine plasma patterns in chronic rhinosinusitis patients on oral corticosteroid treatment. *Respiratory Research*; Submitted.

Schilder AGM, **Rosenfeld RM**, Venekamp RP. Acute otitis media and otitis media with effusion. In: Cummings Otolaryngology: Head and Neck Surgery. 7th ed; Submitted.

Rosenfeld RM. Interpreting medical data. In: Cummings Otolaryngology: Head and Neck Surgery. 7th ed; Submitted.

PRESENTATIONS

Richard Rosenfeld, MD, MPH, MBA

How to read journal articles. Otolaryngology Grand Rounds, SUNY Downstate, Brooklyn, NY, July 2018.

Hand hygiene. Otolaryngology Grand Rounds, SUNY Downstate, Brooklyn, NY, September 2018.

Critical thinking in medicine. Otolaryngology Grand Rounds, SUNY Downstate, Brooklyn, NY, October 2018.

Systematic review of observational studies: strategies for success. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, Brooklyn, NY, November 2018.

Acute otitis media. Pediatric resident education session. SUNY Downstate Medical Center, Brooklyn, NY, January 2019.

Business of medicine. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, Brooklyn, NY, February 2019.

The evidence for plant-based diets. Family Medicine Grand Rounds, SUNY Downstate Medical Center, Brooklyn, NY, February 2019.

Managing time...when it seems unmanageable. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, Brooklyn, NY, March 2019.

Otolaryngology service line report 2019. University Hospital of Brooklyn Leadership Meeting, SUNY Downstate Medical Center, Brooklyn, NY, March 2019.

SUNY Downstate position statement on plant-based health and nutrition. Conference on Harnessing the Power of Plant-based Nutrition. SUNY Downstate, March 2019.

Overcoming barriers to plant-based health and nutrition, panel moderator. Conference on Harnessing the Power of Plant-based Nutrition, SUNY Downstate, March 2019.

How plant-based eating can prevent, treat, and reverse chronic disease. Downstate Initiative on Nutritional Empowerment (DINE). April 2019.

How plant-based nutrition can prevent, treat, and reverse chronic disease. Medical Grand Rounds, Department of Medicine, SUNY Downstate Medical Center, June 2019.

Boris Bentsianov, MD

The Larynx, Dysphonia, and Dysphagia. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, August 2018.

Laryngology Imaging/Case Review. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, April 2019.

Imaging Review Laryngology. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, October 2018.

Marina Boruk, MD

Allergy and Immunology. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, August 2018.

Modifiers Demystified. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, September 2018.

Billing and Coding/Modifiers. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, January 2019.

Imaging Review Rhinology. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, January 2019.

Sydney Butts, MD

Local Flaps and Grafts in the head & Neck. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, July 2018.

Grading of facial nerve paralysis/management of synkinesis. The Annual Multidisciplinary Annual Head and Neck symposium, State University of New York Downstate Medical Center, April 2019.

Natalya Chernichenko, MD

Surgery in Head and Neck Oncology: When the Head Justifies the Means. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, August 2018

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Management of perineural invasion and facial paralysis in parotid malignancy. The Annual Multidisciplinary Annual Head and Neck symposium, State University of New York Downstate Medical Center, April 2019.

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

Abstract on Otoplan and outcomes in cochlear implantation submitted; The International Conference on Implantable Devices, Tokyo, Japan 2019

Nira Goldstein, MD

Etiology and Therapeutic Strategies of Common Pediatric Illnesses. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, July 2018

Research Review: Statistical Inference. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, October 2018

ACGME Related Discussion: Resident Duty Hours and Department Escalation Policy. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, July 2018

Endoscopic and Open Management of Adult and Pediatric Laryngotracheal Stenosis. Timashpolsky A, Navarro AI, Sukato DC, **Goldstein NA**, Stefanov DG, Silverman JB. Oral presentation at the American Academy of Otolaryngology Head and Neck Surgery Foundation Annual Meeting, Atlanta, GA, Oct 7-10, 2018.

Multi-Institutional Validation of the Clinical Assessment Score-15 (CAS-15) for Pediatric Sleep-Disordered Breathing. **Goldstein NA**, Friedman NR, Nardone HC, Aljasser A, Tobey ABJ, Don D, Baroody FM, Lam DJ, Goudy S, Ishman SL, Arganbright JM, Baldassari C, Schreinemakers JBS, Wine TM, Ruszkay NJ, Alammari A, Shaffer AD, Koempel JA, Weedon J. Oral presentation at the American Society of Pediatric Otolaryngology Thirty-Fourth Annual Meeting, Austin, TX, May 3-5, 2019.

Matthew Hanson, MD

Auditory Physiology/Vestibular Physiology. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, July 2018.

Imaging Review Otolaryngology/Neurotology. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, March 2019.

Facial nerve paralysis in temporal bone trauma and skull base surgery. The Annual Multidisciplinary Annual Head and Neck symposium, State University of New York Downstate Medical Center, April 2019.

Ann Plum, MD

Endoscopic Injection versus repair of type 1 laryngeal clefts: A systematic review. State University of New York Downstate Medical Center, Department of Otolaryngology, Frank E. Lucente Alumni Research Day, June 6 2019

A historical cohort study of immediate complications of tracheostomy in children and adults. State University of New York Downstate Medical Center, Department of Otolaryngology, Frank E. Lucente Alumni Research Day, June 6 2019

An Overview of Subglottic Stenosis in the Pediatric Patient. State University of New York Downstate Medical Center, Department of Otolaryngology Grand Rounds, December 20 2018.

Panelist, Medical Educator Pathway Leadership Panel, State University of New York Downstate Medical Center, College Medicine, January 10 2019.

Bronchoscopic Findings in Children. State University of New York Downstate Medical Center, Otolaryngology Grand Rounds, January 31 2019.

Laryngomalacia: A Clinical Update. State University of New York Downstate Medical Center, Department of Pediatrics Grand Rounds, February 13 2019.

Surgical Options for children with persistent Obstructive Sleep Apnea following adenoidectomy and tonsillectomy. New York Presbyterian-Methodist Hospital, Department of Pediatrics Grand Rounds, March 20 2019.

An Introduction to Congenital Airway Anomalies. State University of New York Downstate Medical Center, ENT Interest Group Lecture Series, May 7 2019.

Abraham Shulman, MD

Kula, RW, Shulman A, Bolognese P. Mechanisms and Management of balance and hearing disturbance in Chiari. Niagara Falls, NY. Tele Conference June 26, 2019

Neil Sperling, MD

Totally Implantable Auditory Devices. Invited Speaker. Implantable Auditory Devices Update 2019. University Club of New York. New York, NY. March 30, 2019

Extended-Wear hearing technology. Deep Ear Canal Devices: Earlens. Invited Speaker. Implantable Auditory Devices Update 2019. University Club of New York. New York, NY. March 30, 2019

Management Strategies for Tympanic Membrane Retraction. Invited Speaker. Long Island Jewish Medical Center. Department of Otolaryngology, Grand Rounds. January 24, 2019

Krishnamurthi Sundaram, MD

Thyroid & Parathyroid. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, August 2018

AAOHNS annual meeting poster: Osteomyelitis of the Odontoid process associated with retropharyngeal abscess, a case report. Timashpolsky A, Ballard D, Sundaram K, Atlanta, GA, October 2018.

Conference Presentation: Panel on Facial nerve reconstruction. The Annual Multidisciplinary Annual Head and Neck symposium, State University of New York Downstate Medical Center, April 2019.

John Weigand, PhD

Audiogram. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, July 2018

Michael Weiss, MD

Topics in Neck Cancer. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, August 2018

Malpractice in ENT. Otolaryngology Grand Rounds, SUNY Downstate Medical Center, May 2019.

Anthony Alessi, MD

The Incidence of Concussions in Facial Trauma Patients: A Prospective Study. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY, June 2019

Daniel Ballard, MD

Socioeconomic Disparities in Oral Cavity Cancer Treatment and Survival
Poster presentation, AHNS Section at COSM 2019 - Austin, TX

Women in Otopathology: A Review of Women Who Have Contributed to the Study of the Human Temporal Bone. Poster presentation, Triological Society Combined Sections Meeting 2019 - Coronado, CA

Case Series with Chart Review of a Novel Chronic Ear Grading System
Poster presentation, Triological Society Combined Sections Meeting 2019 - Coronado, CA

Robotic Versus Open Lateral Neck Dissection in Head and Neck Malignancy: A Systematic Review and Meta-Analysis. Oral presentation, AAO-HNSF Annual Meeting 2018 - Atlanta, GA

Quality of Life Outcomes Following Surgical Treatment of Meniere's Disease: A Systematic Review and Meta-Analysis. Oral presentation, AAO-HNSF Annual Meeting 2018 - Atlanta, GA

Osteomyelitis of the Odontoid Process with Associated Retropharyngeal Abscess: A Case Report. Poster presentation, AAO-HNSF Annual Meeting 2018 - Atlanta, GA

Socioeconomic Disparities in Oral Cavity Cancer Treatment and Survival. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY, June 2019

George Ferzli, MD

Resident Experience on a Medical Mission Trip for Cleft Lip and Palate Repair.

Medical Grand Rounds, Department of Medicine, State University of New York Downstate Medical Center, June 2019

Sandra Ho, MD

Epidemiology of Pediatric Vocal Cord Paralysis. AAO-HNS Annual Meeting 2018. Rapid Oral Presentation.

Case Series with Chart Review of a Novel Chronic Ear Grading System. Triological Society Combined Sections Meeting 2019. Poster Presentation

Otology in Ifugao: Incorporation of Endoscopic Ear Surgery. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY, June 2019

Implementation of the First Endoscopic Ear Surgery in a Remote Location in the Philippines. World Congress on Endoscopic Ear Surgery 2019. Oral Presentation.

Rachel Irizarry, MD

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Lifesaving Impact of tracheal implants in audiogenic seizure prone mice. Presented at The 14th Annual Metropolitan New York Resident Research Day Symposium, Columbia University- Department of Otolaryngology, May 2019

Lifesaving Impact of tracheal implants in audiogenic seizure prone mice. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY. June 2019

Ankit Kansal, MD

Angioleiomyoma of sinonasal tract: A case report and literature review. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY. June 2019

Prayag Patel, MD

Post-operative outcomes of tracheostomy and its implications for quality initiative. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY. June 2019

Sam Schild, MD

A Case of Hemorrhage from a Pectoralis Flap Vessel in Advanced Head and Neck Cancer. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY. June 2019

Daniel Sukato, MD

Submental Artery Island Flap versus Free Flap in Head and Neck Reconstruction. The Annual FEL Alumni and Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY. June 2019

Ryan Tabatabai, MD

Vestibular Dysfunction and Vitamin D Serum Levels: A Population Based Study Using the NHANES Database. Frank E Lucente Alumni & Resident Research Day, State University of New York Downstate Medical Center, Brooklyn NY, June 2019

Alisa Timashpolsky, MD

Endoscopic and Open Management of Adult and Pediatric Laryngotracheal stenosis. Oral presentation at the American Academy of Otolaryngology Head and Neck Surgery Foundation Annual Meeting, Atlanta, GA, Oct 7-10, 2018.

Neonatal Injuries from Nasal CPAP. 11th Annual New York Pediatric Airway Symposium, New York, NY, October 2018

Endoscopic Injection vs. Repair of Type 1 Laryngeal Clefts: A Systematic Review. Frank E Lucente Alumni & Resident Research Day, State University of New York-Downstate Medical Center, Brooklyn NY, June 2019

Derek Wu, MD

Cytokine Plasma Patterns in Chronic Rhinosinusitis Patients on Oral Corticosteroid Treatment. FEL Alumni and Resident Research Day, Brooklyn NY, June 2019

AFFILIATED HOSPITALS

State University of New York Health Sciences University

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 3 satellite health centers to serve community healthcare needs; The Family Health Services Center at 840 Lefferts Avenue, The Center for Healthcare Services at Midwood at 2171 Nostrand Avenue and the Center for Healthcare Services at Bedford Stuyvesant located at 613 Throop Avenue.

The Department of Otolaryngology has a full service presence with specialty services in Head and Neck Surgery and Neurotology. A Tinnitus Clinic has been in operation since 1977 and has evaluated and treated over 25,000 patients with severe disabling tinnitus. Head and Neck Surgery and the Pediatric Otolaryngology Service are active and multidisciplinary conferences are held regularly with corresponding medical specialties. The former otolaryngology clinic has now been renovated and changed into a facility which treats both private and clinic patients. The full array of otolaryngologic subspecialties are represented including Otology, Head and Neck, Oncology, Pediatric Otolaryngology, and Facial Plastic and Reconstructive Surgery.

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 are 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, and other epidemics 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.

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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.

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 inpatient 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.

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), orthopaedics, 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, orthopaedics, 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.

North Shore University Hospital - Northwell Ambulatory Surgery at the Center for Advanced Medicine

With 738 beds and a staff of more than 4,000 specialty and subspecialty physicians, North Shore University Hospital offers the highest quality care in all medical specialties. A cornerstone of Northwell Health, we are a teaching hospital for the Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, providing a wide range of specialty and subspecialty residency programs, postgraduate training programs and clinical fellowships to educate the clinicians of the future.

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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 2018-2019. 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 centered 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.

The morning conference is divided into four parts. The first half hour from 6:30 to 7:00am is dedicated to the discussion of various residency related topics. During the 7:00 to 8:00 am 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 9:00 am hour. Also, journal club occurs from 8:00 to 9:00 on the second Thursday of each month and morbidity & mortality conference occurs during this time on the fourth Thursday. Biweekly Head and Neck Tumor Board are included in the schedule from 9:00 to 10:00. Different aspects of basic sciences as related to the field of Otolaryngology-Head & Neck Surgery are presented and discussed from 7:00 to 9:00 am during July and August.

The roster of guest speakers for 2018-2019 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. The residency training program is fully accredited by the ACGME with no citations.

GOALS AND OBJECTIVES

July 1, 2019 – June 30, 2020

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, North Shore University Hospital - Northwell Ambulatory Surgery at the Center for Advanced Medicine

Chair and Program Director: Richard M. Rosenfeld, MD, MPH, MBA

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

Overall Residency Experience

Goals and Objectives for resident education are best understood in the context of the entire program, which is based in 6 academic centers, as well as in private offices in the region. The academic centers are located in Brooklyn, Manhattan and Nassau County 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), New York-Presbyterian Brooklyn Methodist Hospital (Methodist) and North Shore University Hospital - Northwell Ambulatory Surgery at the Center for Advanced Medicine (CFAM).

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, Emergency Medicine, 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

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prepare the contemporary otolaryngologist-head and neck surgeon. The following four years are spent in the Department of Otolaryngology.

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

This rotation schedule reflects our uneven distribution of residents for the academic years between 2017 and 2020 as one of our residents returned from a one-year medical leave on 5/15/17. During the 2019-2020 academic year, there will be four PGY-5 residents. In 2020-2021, we will return to our usual complement of three residents per year.

Rotation Schedule 2019-2020

PGY-1 (n=3)	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: 2 months at KCHC/UHB and 4 months at Maimonides	
	4 months	4 months	4 months	
PGY-2 (n=3)	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH	
PGY-3 (n=3)	Research	NYMH	KCHC/UHB	
PGY-4 (n=3)	Ambulatory Care/MEETH/ NYMH	Maimonides	KCHC/UHB	
	3 months	3 months	3 months	3 months
PGY-5 (n=4)	North Shore/CFAM	NYMH	KCHC/UHB	Ambulatory Care/MEETH/ NYMH

Rotation Schedule 2020-2021

PGY-1 (n=3)	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: 2 months at KCHC/UHB and 4 months at Maimonides
	4 months	4 months	4 months
PGY-2 (n=3)	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH
PGY-3 (n=3)	KCHC/UHB	NYMH	Research
PGY-4 (n=3)	Lenox Hill/MEETH	Maimonides	KCHC/UHB
PGY-5 (n=5)	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

CFAM - Northwell Ambulatory Surgery at the Center for Advanced Medicine

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.

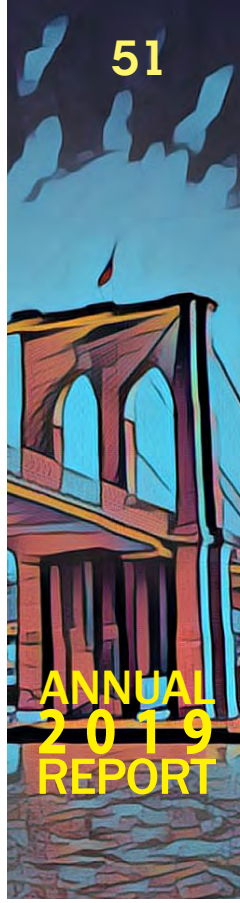
	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5
Annual otolaryngology in-service examination	Participate in examination	Meet or exceed median PGY-2 score	Meet or exceed median PGY-3 score	Meet or exceed median PGY-4 score	Meet or exceed median PGY-5 score
Basic science*	Familiarity	Attend Basic Science Course	Attend Basic 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	—
Cornell-Weill otolaryngic allergy course	—	—	Participate in on-line session	Participate in on-line sessions	—
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
Home Study Course	Exposure	100% participation	100% participation	100% participation	100% 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*.



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

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

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 3

Practice-based Learning and Improvement (PBL): 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 professionals.

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	Gather information and present Yes	Gather information and present Yes	Formulate plan with supervision Yes	Increased independence Yes	Mastery 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
	Yes	Yes	Yes	Yes	Yes
Demonstrate responsiveness to patient needs that supersedes self-interest	Yes	Yes	Yes	Yes	Yes
	Awareness	Awareness	Progressive implementation	Progressive implementation	Mastery
Demonstrate respect for patient privacy and autonomy	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;	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
Program evaluation committee	Attend dept. M&M;	Patient Safety Committee at KCHC	Residents Fellows Subcommittee of GMEC at UHB	Residents Fellows Subcommittee of GMEC at UHB	Root Cause Analyses (pm)
Program evaluation committee	Present at dept. M&M;	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 second year the department presents a lecture and two-hour practical session on the history and physical examination in otolaryngology.

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 complete a four week clerkship for students contemplating applying to otolaryngology residency. The student "shadows" an attending during outpatient clinic and inpatient rounds. 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. Each student makes a 10-minute presentation at the completion of his/her clerkship.

Core Year (MS3) Elective in Otolaryngology: 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 two diseases or clinical problems and be prepared to discuss these with the supervising attending or resident. 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.

Elective in Third Year: Third 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 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 in the Fourth Year: Fourth year students may also take a 2 or 4 week elective in general otolaryngology. The experiences are similar to those listed for the third year elective.

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: The department is working with interested students on the creation of an Otolaryngology Club for students who would like to come in contact with the field as early as possible. Opportunities will be provided for students to shadow and attending for a brief period as well as to observe in clinics whenever possible. Further details will be posted.

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.

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).

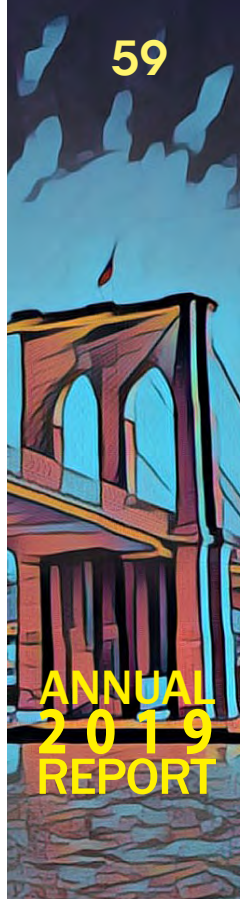
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TEMPORAL BONE SURGICAL DISSECTION LABORATORY

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. A fully equipped 8 workstation laboratory was maintained at the 134 Atlantic Avenue location, until the closure of that site in 2014. A new, State-of-the-Art lab is planned for the SUNY site. It will be located on the 7th floor of the Basic Science Building near the departmental offices and will be available for resident use at any time of day or night for self-directed or small group sessions. The lab is intended to be used as a specialty-wide surgical education resource and will include instruments for microvascular training and soft-tissue repair. It is hoped that the lab will be used for frequent courses and educational sessions. Significant funding for the lab has been secured from the Medical School and the University President, and a charitable account has been set up with the additional funds that will be needed to make the project a reality. Design plans are currently being finalized and it is hoped that construction can conclude by the Fall 2020. In the meantime, funding has been provided to enable selected residents to attend advanced dissection courses at outside institutions and we have again arranged with our colleagues at the NYU Department of Otolaryngology to use their lab at Bellevue Hospital for our yearly course. This two-day course was given to all the residents and provided an excellent educational opportunity.



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SUNY Downstate Medical Center – Department of Otolaryngology presents

The Annual Frank E. Lucente ALUMNI AND RESIDENT RESEARCH DAY

Thursday, June 6, 2019 ★ 9:30 AM to 4:30 PM

SUNY Downstate Medical Center ★ Lecture Hall 1A, 395 Lenox Road

Invited Faculty

James Netterville, MD
Mark C. Smith Professor
Head & Neck Surgical Oncology
Executive Vice Chairman
Bill Wilkerson Center
Vanderbilt University Medical
Center

Haidy Marzouk MD, FFAOA
Assistant Professor
SUNY Upstate Medical Center
Department of Otolaryngology-
Head and Neck Surgery



Conference Chair

Boris Bentsianov, MD
Assistant Professor of Otolaryngology
SUNY Downstate Medical Center

SUNY Downstate Faculty

Richard M. Rosenfeld, M.D., M.P.H., MBA, F.A.A.P.

Distinguished Professor and Chairman
Department of Otolaryngology
SUNY Downstate Medical Center

Frank E. Lucente, MD
Professor and Former Chairman
SUNY Downstate Medical Center

Boris Bentsianov, MD
Assistant Professor of Otolaryngology
SUNY Downstate Medical Center



ALUMNI AND RESIDENT RESEARCH DAY

SUNY Downstate Medical Center – June 6, 2019

AGENDA

9:30 Registration & Coffee

10:00 Welcome Remarks – **B Bentsianov**

10:05 Introduction – **R Rosenfeld**

10:10 Introduction – **F Lucente**

10:15 Parapharyngeal Tumors – **J Netterville**

11:00 Cystic Fibrosis for the Otolaryngologist – **H Marzouk**

11:45 Lifesaving impact of tracheal implants in audiogenic seizure-prone mice – **R Irizarry (PGY-3)**

11:57 Post-operative outcomes of tracheostomy and its implications for quality initiative – **P Patel (PGY-3)**

12:09 Lunch

1:10 Endoscopic Injection vs. Repair of Type 1 Laryngeal Clefts: A Systematic Review –

A Timashpolsky (PGY-3)

1:22 Otology in Ifugao: Incorporation of Endoscopic Ear Surgery – **S Ho (PGY-4)**

1:34 A Case of Hemorrhage from a Pectoralis Flap Vessel in Advanced Head and Neck Cancer –

S Schild (PGY-2)

1:46 Submental Artery Island Flap versus Free Flap in Head and Neck Reconstruction – **D Sukato (PGY-4)**

1:58 Socioeconomic Disparities in Oral Cavity Cancer Treatment and Survival – **D Ballard (PGY-4)**

2:10 The Incidence of Concussions in Facial Trauma Patients: A Prospective Study – **A Alessi (PGY-5)**

2:22 Vestibular Dysfunction and Vitamin D Serum Levels: A Population Based Study Using the NHANES Database – **R. Tabatabai (PGY-2)**

2:35 Break-Refreshments

3:05 Cytokine Plasma Patterns in Chronic Rhinosinusitis Patients on Oral Corticosteroid Treatment –

Derek Wu (PGY-4)

3:17 Angioleiomyoma of sinonasal tract: A case report and literature review – **Ankit Kansal (PGY-2)**

3:29 "The Foramen Rotundum and Vidian Canal A surgeon's Guides to the central skull base."

J Netterville

3:59 Alumni Panel Discussion – Moderator: **B Bentsianov**

Topic: Managing your future practice

4:25 Closing Remarks – **B Bentsianov**

4:30 **Alumni Reception**

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ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Title: LIFESAVING IMPACT OF TRACHEAL IMPLANTS IN AUDIOGENIC SEIZURE-PRONE MICE

Presenter: Rachel Irizarry, MD

Investigators: Rachel Irizarry, MD; Daniel Sukato, MD; Richard Kollmar, PhD; Joshua B. Silverman MD/PhD; Krishnamurthi Sundaram, MD; Stacy Stephenson; Mark Stewart, MD/PhD

Faculty Mentor: Dr. Richard Kollmar PhD

Outcome Objectives: Patients with epilepsy suffer from a higher mortality rate than those without (Becker 2000), and sudden unexpected death in epilepsy (SUDEP) accounts for the majority of deaths during epileptic episodes (Walczak et al. 2001). Previous studies have shown that seizures can induce laryngospasm that leads to a sequence of obstructive apnea, cardiopulmonary dysfunction, and death (Nakase et al. 2016). However, clinical correlation is limited by the use of anesthetized animals and pharmacologically induced seizures. In this study, we examined whether a novel tracheostomy procedure protected awake mice from fatal audiogenic (not drug-induced) seizures.

Methods: Sixty-eight animals were implanted with a tracheal T-tube that provided either a closed or an open alternative airway. All animals were then exposed to loud noise to trigger audiogenic seizures, and the outcome-death vs. survival-was recorded.

Results: Twenty-seven animals each with either a closed or an open T-tube displayed a tonicclonic seizure with full hind limb extension during noise testing. Only one animal with a closed T-tube survived, whereas 13 animals with an open T-tube survived, indicating that the odds ratio for survival was more than twenty times higher with an open T-tube (Fisher's exact test, $p < 0.001$).

Conclusions: Our results support the hypothesis that upper-airway obstruction due to laryngospasm is the proximal cause of death from audiogenic seizures and highlight the importance of airway management during epileptic episodes.

Title: RETROSPECTIVE REVIEW OF IMMEDIATE POST-OPERATIVE OUTCOMES OF TRACHEOSTOMY IN ADULTS AND CHILDREN AND ITS IMPLICATION FOR QUALITY IMPROVEMENT.

Presenter: Prayag Patel, MD

Investigators: Prayag Patel, MD; Jin Kyun Oh, BS; Samantha Hinds, BS; Ann Plum, MD; Sydney Butts, MD FACS

Faculty Mentor: Sydney Butts, MD FACS

Introduction: A tracheostomy is a common procedure that is offered for patients with upper airway obstruction. In 2014, the Global Tracheostomy Collaborative was initiated with a vision to create multi-disciplinary teams of healthcare professionals to disseminate best practices and improve outcomes of tracheostomy care around the world. Since then, multiple institutions joined this collaboration to monitor and identify post-operative complications of tracheostomy and have gone on to develop quality initiatives to prevent these complications. The objective of this project is to retrospectively review the post-operative outcomes of all tracheostomies done at our institution and to thereafter, create a prospective database and quality initiative plan to monitor and reduce post-operative outcomes.

Methods: Using CPT Code 31600 for 'planned tracheostomy', the institution-specific operative database was queried and all patients who underwent the procedure were identified. Identified patient charts were reviewed and demographic and clinical data was collected. Patient's charts were reviewed for the first seven days post-operatively and complications from the procedure were recorded. SPSS® was used for Pearson's coefficient analysis and multivariate logistic regression.

ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Results: Of the 240 charts reviewed in the preliminary analysis, 130 patients met inclusion and exclusion criteria. 59.2% of the patients were females and mean age at which the tracheostomy was performed was 60.6 years. 30.8% were found to be obese (BMI>30.1) while 22.3% were found to be overweight (BMI 25.1-30). The most common complication in the immediate post operative period was noted to be bleeding (10.8%) while 5 patients were found to have mucus plugging. 1 patient died on post-operative day 3 due to complications not-related to the tracheostomy. On univariate analysis, only age, length-of-stay prior to hospitalization, diabetes mellitus, asthma and OSA were found to be significantly associated ($P<0.05$) with any complication. No risk factors were found to be significantly associated with a bleeding complication on multi-variate analysis.

Conclusion: The preliminary data of this study suggest that patient co-morbidities can have an effect on postoperative complications. As the power of the study increases with the increase in the sample size, we hope to establish predictors/risk-factors for post-operative complications and develop an institution-wide quality initiative to help decrease these complications with appropriate management/identification of these predictors.

Title: ENDOSCOPIC INJECTION VS. REPAIR OF TYPE 1 LARYNGEAL CLEFTS: A SYSTEMATIC REVIEW

Presenter: Alisa Timashpolsky MD

Faculty Mentor: Ann Plum, MD

Authors: Alisa Timashpolsky MD, Daniel Ballard, MD, Sam Schild, MD, Ann Plum, MD

Objective: Surgical management of Type 1 posterior laryngeal clefts in pediatric patients is often utilized in those who do not respond to conservative treatment. In recent years, endoscopic inter-arytenoid injection laryngoplasty has been introduced as a faster and less invasive form of management. This study aims to compare the two management strategies and their outcomes.

Data sources: PubMed, Web of Science, and EMBASE Databases.

Review Methods: Systematic review using PRISMA reporting standards of English language articles that included studies of patients with endoscopically confirmed presence of type 1 posterior laryngeal cleft who were managed with injection or with endoscopic surgical repair. Two independent investigators assessed study eligibility and extracted data for analysis.

Results: Of 229 studies identified, 22 met inclusion criteria. There were 15 studies, comprising 282 patients, which described endoscopic surgical management, and 7 studies, comprising 231 patients, that utilized injection laryngoplasty. The most common technique used for endoscopic repair was laser assisted mucosal ablation and suture approximation. The most common material used for injection laryngoplasty was Radiess. Overall, the injection laryngoplasty cohort had complete resolution of symptoms in 120 (52%) patients, improvement in 40 (17.3%), and failure in 71 (30.73%) patients. Endoscopic repair yielded 151 (53.5%) patients with complete resolution, 62 (22%) with improvement, and 69 (24.4%) with failure. The differences between the two groups were not significant ($p>.05$ for all).

Conclusion: Injection laryngoplasty for type 1 laryngeal clefts has comparable efficacy to endoscopic surgical repair and should be considered in the treatment algorithm for this clinical entity.

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ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Title: OTOLOGY IN LFUGAO: INCORPORATION OF ENDOSCOPIC EAR SURGERY

Presenter: Sandra Ho, MD

Introduction: The aim of this study/report is to describe the initial implementation of endoscopic ear surgery and its impact on the hospital and patient population at a remote location in an underserved country.

Methods: This prospective, descriptive study was conducted during the Compassion in Action mission trip in Ifugao, Philippines. For the past 20 missions, the Zeiss OPMI 1-H, one of the first models of operating microscopes, was used. Our goals for this mission trip in 2019 were to determine the feasibility of implementing endoscopic ear surgery at this institution and promote education of the local staff team and patients about chronic ear conditions that were now readily displayed on a screen without compromising patient safety or outcomes

Results: Thirty-two patients, ages 3 to 67 years were included in the initial implementation of endoscopic ear surgery in this region of the Philippines. Seventeen tympanoplasties, 2 ossicular chain reconstructions/middle ear explorations, 8 bilateral myringotomy with tubes, 5 exams under anesthesia/removal of cerumen procedures were performed. Additionally, 5 awake exams were performed with patients sitting in front of the monitor. 1 scrub technician, 1 medical student, 3 nurses, 2 general surgeons and 5 patients were able to learn from the endoscopic ear images displayed on the screen. Over 1000 hours of video footage was edited and brought back next year for education and continuity of care.

Conclusion: We have demonstrated the first successful implementation of endoscopic ear surgery in a remote region of the Philippines. We were able to provide otologic services to thirty two patients in four days and after 20 years, were able to show the local staff the anatomy and pathology of the ear and the steps in various otologic procedures. Endoscopic ear surgery is feasible and safe in a remote location such as mission trips.

Title: A UNIQUE CASE OF SPONTANEOUS HEMORRHAGE IN ADVANCED HEAD AND NECK CANCER

Presenter: Sam Schild MD

Authors: Sam Schild MD, Avanti Verma MD, Rafael Ortiz MD, Jessica Lim MD

Objective: Carotid blowout commonly occurs in advanced head and neck cancer patients and is managed with either surgical ligation or endovascular intervention of the carotid artery and its branches. This case report demonstrates successful embolization of an arterial branch of a prior pectoralis flap reconstruction after total laryngectomy as the source of hemorrhage in a recurrent base of tongue tumor.

Methods: This is a case report with review of literature.

Results: We report a case of a 76-year-old male with extensive oncologic history including RT for hypopharyngeal carcinoma, multiple resections of recurrent oral tongue SCC with adjuvant RT, and total laryngectomy with right pectoralis myofascial flap reconstruction for laryngeal sec. The patient then developed bilateral neck and base of tongue recurrence for which he completed palliative RT. He presented to the emergency room after an episode of brisk oropharyngeal bleeding and required urgent packing prior to embolization. Angiography identified the source of bleeding from a right subclavian artery branch emanating from the right pectoralis flap, which supplied the left base of tongue tumor. Endovascular embolization with NBCA glue successfully obliterated the abnormal blush. After removal of the packing, he did not have any further bleeding and was discharged to inpatient hospice care.

Conclusions: Endovascular embolization is well described in carotid blowout syndrome. However, this case describes spontaneous hemorrhage from a reconstructive arterial branch, which supplied recurrent tumor through angiogenesis. This highlights the importance of angiography in localizing the source of hemorrhage in advanced head and neck cancer patients.

ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Title: SUBMENTAL ARTERY ISLAND FLAP VERSUS FREE FLAP IN HEAD AND NECK RECONSTRUCTION

Presenter: Daniel Sukato, MD

Objective: The aim of this systematic review is to compare the surgical outcomes of submental artery island flap (SAIF) versus free tissue transfer (FTT) in head and neck reconstruction.

Methods: Two independent authors performed screening and data extraction on studies published up to December 2018 through PubMed, Embase, and Web of Science databases. Only studies that directly compared SAIF and FTT were included. Data were pooled with random effects meta-analysis to determine the standardized mean differences (SMD), risk differences (RD), and 95% confidence intervals (CI).

Results: The initial search yielded 997 results, of which 7 comparative studies remained for final analysis. The pooled sample sizes for the SAIF and FTT cohorts were 145 and 207, respectively. SAIF was associated with reduced operative time (SMD 2.425, 95% CI 1.25-3.601, $p < 0.001$), reduced hospital stay (SMD 0.649, 95% CI 0.413-0.885, $p < 0.001$), and reduced flap area (SMD 1.026, 95% CI 0.683-1.368, $p < 0.001$) but had an increased rate of partial flap necrosis (RD 1.012, 95% CI 0.145-1.880, $p = 0.022$). All other perioperative complications, including rates of total flap loss, hematoma, and recipient/donor site dehiscences were comparable between the two techniques.

Conclusion: SAIF requires less operative time and hospital stay, but has reduced harvested flap area and increased rate of partial necrosis. Peri-operative complication rates are otherwise comparable between SAIF and FTT. The findings of this study add to the growing body of evidence showing the safety and reliability of SAIF in head and neck ablative procedures.

Title: SOCIOECONOMIC DISPARITIES IN ORAL CAVITY CANCER TREATMENT AND SURVIVAL

Presenter: Daniel Ballard, MD

Authors: Daniel P. Ballard, MD, Xiaoyue Ma, MS, Stefan Mlot, MD

Objectives: The goal of this study is to determine whether an association exists between the treatment chosen for patients with oral cavity squamous cell carcinoma (OCSCC), and socioeconomic factors such as race, ethnicity, and insurance status. Additionally, we aim to identify any differences in survival associated with treatment modality.

Materials and Methods: The National Cancer Database (NCDB) was used to identify adult patients diagnosed with OCSCC between 2003 and 2015. Patients were divided into early stage (I or II) and advanced stage (III or IV) disease to investigate the likelihood of receiving NCCN preferred treatment using a multivariate logistic regression model. Overall survival was calculated using unadjusted Kaplan-Meier analyses.

Results: Of 57,686 cases of OCSCC, 32,357 were American Joint Committee on Cancer (AJCC) stage I or II and 25,329 were stage III or IV. Only 74.7% of patients with early stage disease and 43.2% of patients with late stage disease received NCCN-preferred treatment. Several socioeconomic factors decreased the likelihood of receiving the preferred treatment, including black race, lack of private insurance, and residing in a poor or poorly educated county. Overall survival was significantly higher for patients who received NCCN-preferred treatment. Decreased survival was noted in patients who were male, black, lacked private insurance, or treated in a non-academic institution.

Conclusion: Socioeconomic disparities significantly affect the treatment and outcomes of patients with oral cavity squamous cell carcinoma. Despite the proven benefit of NCCN preferred treatments, certain subsets of patients are more likely to receive alternative therapies that are associated with decreased survival.

Title: The Incidence of Concussion in Facial Trauma Patients: a Prospective Study **Presenter:** Anthony Alessi, MD

Investigators: Anthony Alessi, MD; Min Gyu Noh, MD; Sandra Corti, MD; Steven Yusapov DDS, MD; Yaacov Anziska MD, MPH; Sydney Butts, MD

Faculty Mentor: Sydney Butts, MD

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ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Outcome Objectives: Public health concerns over the long-term cognitive and psychosocial complications following repeated concussions has increased dramatically in recent years. The proximity of the brain and the maxillofacial skeleton suggest a high rate of concomitant concussion in patients suffering facial fractures, however data regarding their correlation is limited. This prospective study seeks to assess the incidence of concussion in patients presenting to the ER with acute facial fractures using a validated screening tool.

Methods: Adult patients (≥ 18) presenting to the ER (University Hospital Brooklyn and Kings County Hospital) with a CT scan confirmed facial fracture from June 2017- May 2019 were asked to participate in the study. Consented patients then underwent the cognitive portion of the Military Acute Concussion Evaluation (MACE): the Standardized Assessment of Concussion (SAC). The SAC is a validated 30 point cognitive evaluation. A raw score below 25 is predictive of a concussion diagnosis. Incidence of concussion was calculated. Exclusion criteria included: ICU admission, pre-injury cognitive impairment, psychiatric illness, skull or skull base fracture and/or drug/alcohol intoxication.

Results: 29 patients agreed to participate in the study. The majority of the patients were male (69%) and under the age of 65 (72%). The most common mechanism of injury was assault (72%) and the most common site of injury was midface (62%). 17 of 29 patients (59%) scored below 25 on the SAC.

Conclusion: This is the largest prospective study looking at the incidence of concussion in facial fracture patients using a validated screening tool. Over half of all patient's scored below 25/30 on the SAC, suggesting that the majority of patients suffering facial trauma also suffer from some level of mild traumatic brain injury. Physicians should have a low index of suspicion for concussions in facial fracture patients and initiate prompt treatment and follow up for patients found to have mild TBI.

Title: VESTIBULAR DYSFUNCTION AND VITAMIN D SERUM LEVELS. A POPULATION BASED STUDY USING THE NHANES DATABASE.

Presenter: Ryan Tabtabai, MD

Investigators: R. Tabtabai, MD, MPH; K. Parham, MD PhD; R. Stevens, PhD; L. Haynes, PhD; M. Hanson, MD.

Faculty Mentor: Matthew Hanson, MD

Outcome Objectives: Vestibular dysfunction is a growing public health concern due to high prevalence in the geriatric population and the fact that it increases propensity for falls, leading to higher rates of morbidity, mortality and health care expenditure. The objective of this study was to determine the possible associations of vestibular dysfunction with other conditions that have been suggested in the literature including low vitamin D serum levels, sedentary physical activity levels, geographic location and low bone density in a population level database.

Methods: Data from the 2003-2004 National Health and Nutritional Examination Surveys (NHANES) of adults aged 40 years old and older was analyzed ($n = 4,743$). Vestibular dysfunction was defined by using Condition 4 of a modified Romberg balance test that was used during NHANES data collection. Condition 4 involved participants tasked with standing with their feet together for 30 seconds with eyes closed on a firm and compliant support surface to reduce the sensory input of both vision and proprioception. Those participants who were able to stand for 30 seconds passed the balance test and those who either opened their eyes or moved their feet in order to regain balance failed and we defined them as having "vestibular dysfunction". Logistic regression and chi-square analysis were used to assess associations between vestibular dysfunction and variables of interest.

ABSTRACTS FOR RESIDENT PRESENTATIONS 2019

Results: Risk of vestibular dysfunction increased with age for both males (37.5% vs. 68.7%) and females (36.1% vs. 69.9%) when comparing those under and over the median age (58 years in males and 57 years in females), respectively. Vitamin D serum levels was not statistically significantly associated with risk of vestibular dysfunction in any subset analysis, however there was a trend of reducing risk as vitamin D levels increased in both females and males above the median age. Females with osteopenia had a 40% increased risk of vestibular dysfunction when compared to females with normal bone density (59.5% vs. 83.7%, $p < 0.001$). Those participants with at least some college education had a 50% lower risk of vestibular dysfunction (OR= 0.485, $p < 0.001$), while those with diabetes had a 23% higher risk (55.4% vs. 68.5%, $p < 0.001$).

Conclusions: The results of this study suggest the importance of continued research into the possible association between low levels of vitamin D and reduced bone mineral density with increased risk of vestibular dysfunction. Targeted fall risk analysis of those people with conditions that appear to be associated with higher risk of vestibular dysfunction such as those with diabetes, low bone mineral density and low level of formal education, may improve the detection rate of vestibular dysfunction prior to dangerous falls.

Title: CYTOKINE PLASMA PATTERNS IN CHRONIC RHINOSINUSITIS PATIENTS ON ORAL CORTICOSTEROID TREATMENT

Presenter: Derek Wu, MD

Investigators: Marina Boruk 1 , Christopher Railwah 2 , Derek Wu 1 , Lillian Chow 2 , Panid Borhanjoo 2 , Sadakat Chowdhury 2 , Robert F. Foronjy 2,3 , Richard Rosenfeld 1 and Patrick Geraghty 2,3 , *

Background: Chronic rhinosinusitis (CRS) is a common condition associated with inflammation of the nose and paranasal sinuses, frequently occurring with nasal polyps and allergies. Short courses of oral corticosteroids are frequently used to relieve symptoms. Here we investigate systemic inflammation in control non-CRS patients, and CRS patients receiving corticosteroid treatment.

Methods: For this pilot study, blood was collected from 16 control non-CRS subjects, and 25 CRS patients, with or without nasal polyps, on oral prednisone for 3-5 days. Plasma cytokine, chemokine and growth factor levels for 31 targets were measured and analyzed for changes due to smoking history, the presence of nasal polyps, asthma or high blood eosinophil counts.

Results: The concentrations for the majority of the cytokines, chemokines and growth factors analyzed were similar between controls and the CRS group, except for elevated levels of IL1RA ($p < 0.001$) and VEGF ($p = 0.032$) and reduced levels of CXCL10 ($p < 0.001$) and MCP1 ($p = 0.048$) in the CRS group. Smoking history and the presence of nasal polyps had no impact on inflammation markers within the CRS group. However, CRS patients with asthma had elevated levels of IL1RA ($p = 0.016$), IL-4 ($p = 0.016$), and VEGF ($p = 0.021$) compared to asthmatic non- CRS patients. CRS subjects with high eosinophil counts had elevated IL1RA ($p = 0.024$) compared to CRS subjects with low eosinophil counts.

Conclusions: Modified systemic inflammation is observed in CRS patients on oral prednisone compared to non-CRS subjects without treatment. Asthma and the presence of eosinophils contribute to an altered systemic inflammation profile in CRS.

Presenter: Ankit Kansal, MD

Case Report: A young woman presented to the otolaryngology office with 12 weeks of total unilateral nasal obstruction. She was otherwise healthy and exhibited no constitutional complaints. Her remaining medical, surgical, family, and social history was noncontributory. Examination showed total obliteration of nasal vestibule. A computed tomographic scan of the sinuses without contrast showed soft tissue mass in the inferior nasal vestibule without involvement of the nasal cavity or sinuses. MRI showed a "Rounded intermediate T1, high T2, peripherally enhancing focus anteriorly, 1.5 x 1.7 x 0.7 cm". The patient underwent a biopsy of the mass, which showed an angioleiomyoma. Angioleiomyomas are benign tumors that are rare in the head and neck region.

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ANNUAL FRANK E. LUCENTE ALUMNI AND RESIDENT
RESEARCH DAY

James Netterville, MD, Invited Faculty



Nicole Fraser, staff



Haidy Marzouk, MD, Invited Alumna speaking to the audience while Frank E. Lucente, MD, Former Chairman (L) and James Netterville, MD, Invited Faculty (R) were watching

ANNUAL FRANK E. LUCENTE ALUMNI AND RESIDENT RESEARCH DAY



Conference attendees



(L to R): Boris Bentsianov, MD, Conference Chair, Haidy Marzouk, MD, Invited Alumna and James Netterville, MD, Invited Faculty



Alumni Panel (L to R): Marina Boruk, MD (2006), Elizabeth Floyd, MD (2017) and Haidy Marzouk, MD (2011)



Conference attendees

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ANNUAL FRANK E. LUCENTE ALUMNI AND RESIDENT RESEARCH DAY



Conference exhibitors at the Atrium



1st Row: (L to R): Resident Wu, Resident Timashpolsky, James Netterville, MD, Invited Faculty, Resident Irizarry and Resident Ho

2nd Row: (L to R): Resident Tabtabai, Resident Kansal, Resident Hunter, Resident Sukato and Resident Schild

3rd Row: (L to R): Resident Patel, Resident Gulati and Resident Ballard

The Department of Otolaryngology
And
The John Conley Division of Medical Ethics and Humanities

presents

The 9th Annual Multidisciplinary Head and Neck Symposium:
Multidisciplinary Management of Facial Nerve Paralysis

THURSDAY, APRIL 11TH, 2019

Faculty

Shalini Arora, M.D.

Sydney C. Butts, MD FACS

Associate Professor and Vice Chair
Chief, Facial Plastic and
Reconstructive Surgery
Department of Otolaryngology

Natalya Chernichenko, MD

Assistant Professor
Chief, Head and Neck Surgery
Department of Otolaryngology

Matthew Hanson, MD

Assistant Professor
Chief, Otology
Department of Otolaryngology

Gady Har-El, MD, FACS

Professor, Department of
Otolaryngology and Neurosurgery
SUNY Downstate Medical Center
Chief, Head & Neck Surgery &
Oncology
New York Head and Neck Institute
Lenox Hill Hospital

Jonathan Perk, MD, PhD

Associate Professor of Clinical
Neurology
Department of Neurology

Kathleen Powderly CNM, PhD

Director
John Conley Division of Medical
Ethics and Humanities

Deborah Reede, MD

Professor and Chair
Department of Radiology

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

Distinguished Professor and
Chairman, Department of
Otolaryngology
SUNY Downstate Medical Center

Roman Shinder, MD

Professor
Chief-Oculoplastic Surgery
Department of Ophthalmology

Invited Faculty

Laura Hetzler, MD FACS

Associate Professor and Program
Director
Louisiana State University Health
Sciences Center
Department of Otolaryngology -
Head and Neck Surgery
Our Lady of the Lake Regional
Medical Center
Facial Plastic and Reconstructive
Surgery
Director OLOL Children's Hospital
Cleft Team
Director OLOL Facial Nerve Disorders
Clinic

Eric Kodish, MD

Professor of Pediatrics, Oncology and
Bioethics
Lerner College of Medicine, Case
Western Reserve University
Cleveland Clinic

Andrew Shuman, MD, FACS

Assistant Professor
Division of Head and Neck Oncology
Department of Otolaryngology -
Head & Neck Surgery
University of Michigan Health
System
Co-Chief, Clinical Ethics Service
Center for Bioethics and Social
Sciences in Medicine (CBSSM)
University of Michigan Medical
School
Chief-ENT Section, Surgery Service
VA Ann Arbor Healthcare System

Symposium Co-Directors

Sydney Butts, MD
Natalya Chernichenko, MD

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The 9th Annual Multidisciplinary Head & Neck Symposium: *Multidisciplinary Management of Facial Nerve Paralysis*

Agenda

7:30-8:00 **Registration and Continental Breakfast**

8:00-8:05 **Welcome**

Natalya Chernichenko, MD, FACS

8:05-8:10 **Remarks**

Gady Har-El, MD, FACS

8:10-8:15 **Introduction**

Sydney Butts, MD, FACS

8:15-9:00 Laura Hetzler, MD

Evolution of surgery for facial reanimation and multidisciplinary care of facial nerve paralysis

9:00-9:20 Sydney Butts, MD

The legacy of Dr. John Conley—head and neck surgery, facial reconstruction, bioethicist
Recognition-Frank. Lucente, MD

9:20-9:50 Sydney Butts, MD, FACS

Grading of facial nerve paralysis/management of synkinesis

9:50-10:10 Jonathan Perk, MD

Electrodiagnostic assessment of facial nerve weakness

10:10-10:40 Coffee Break

10:40-11:00 Natalya Chernichenko, MD, FACS

Management of perineural invasion and facial paralysis in parotid malignancy

11:00-11:20 Matthew Hanson, MD

Facial nerve paralysis in temporal bone trauma and skull base surgery

11:20-11:50 Facial Nerve Emergencies Panel

Dr. Shuman, Dr. Butts, Dr. Hanson, Dr. Hetzler

12:00-13:00 **Lunch**

13:00-13:20 Roman. Shinder, MD

Facial nerve rehabilitation in the periocular region – oculoplastic surgeon's perspective

Ethical Considerations in Facial Reconstruction

Presented by the Department of Otolaryngology and The John Conley Division of Medical Ethics and Humanities

13:20-13:50 Bioethics of facial reconstruction—the Bioethicist perspective (Eric Kodish, MD)

13:50-14:35 Andrew Shuman, M.D.

Bioethics of facial reconstruction-the surgeon's perspective

14:35-15:25 Bioethics Panel (Dr. Hetzler, Dr. Shuman, Dr. Kodish, Dr. Butts, Dr. Powderly)

15:25-15:30 **Closing remarks**

Immediately following the symposium there will be a Cadaver surgical dissection with Dr. Hetzler, Dr. Butts, and residents-Facial reanimation surgery, applied anatomy

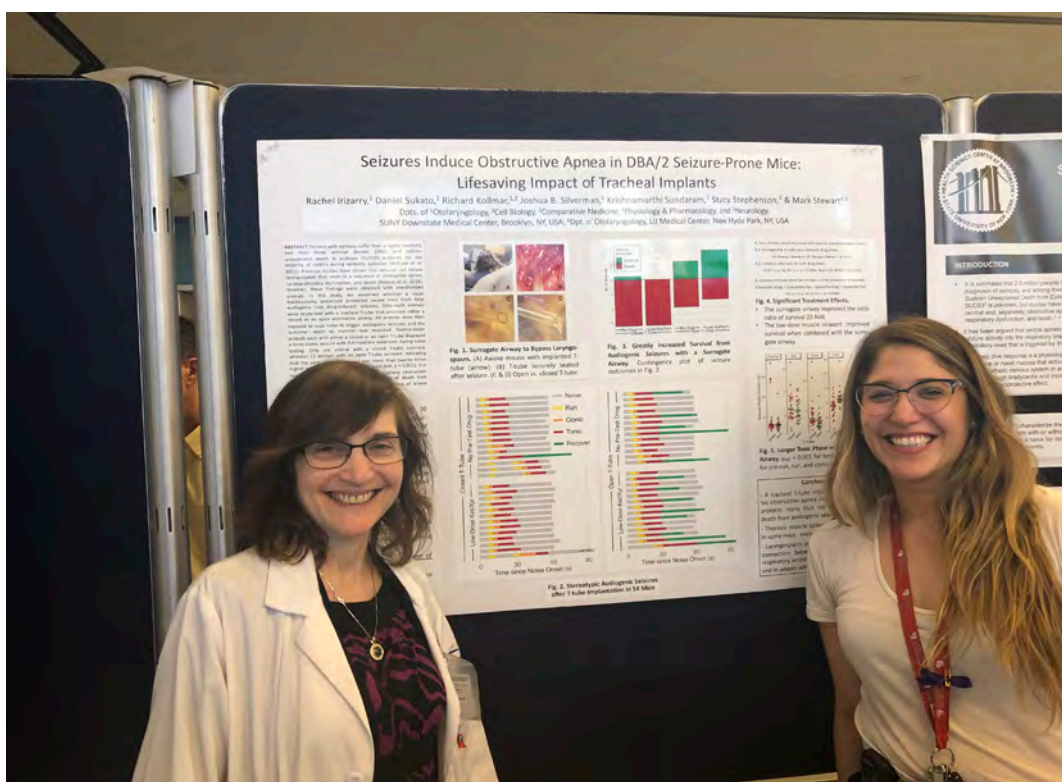
Conference Description

Progress in the treatment of head and neck cancer has allowed consideration of patient functional outcome and quality of life while preserving rates of cancer control and survival. Surgical oncologists, radiation oncologists, medical oncologists and speech and swallowing and rehabilitation specialists have contributed to these changes. Otolaryngology departments are educating resident physicians and community physicians about the capabilities and recent advances in head and neck oncology. This multidisciplinary symposium will provide updated information on new multidisciplinary therapies, the latest clinical and basic science research, new treatment approaches and reconstructive options.

The 9th Annual Multidisciplinary Head & Neck Symposium: Multidisciplinary Management of Facial Nerve Paralysis



Front Row (L to R): Dr. Ann Plum, Resident Irizarry, Dr. Nira Goldstein, Resident Timashpolsky, Dr. Victor Lagmay and Resident Ferzli
Back Row: (L to R): Resident Sukato, Resident Gulati, Resident Ho, Resident Hopkins, Resident Weber, Resident Schild



Dr. Nira Goldstein and Resident Irizarry

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GRAND ROUNDS 2018-2019

CONFERENCE	DATE	TIME	SPEAKER
ACGME Core Competency and Residency Issues: Residency Goals and Objectives	7/5/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Auditory Physiology	7/5/18	7:00-7:50	Matthew Hanson, MD
Vestibular Physiology	7/5/18	8:00-8:50	Matthew Hanson, MD
Research Review: Grid Update	7/12/18	6:30-7:00	Nira Goldstein, MD MPH
How to Review Journal Manuscripts	7/12/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Etiology and Therapeutic Strategies of Common Pediatric Illnesses	7/12/18	8:00-8:50	Nira Goldstein, MD, MPH
Multidisciplinary Head & Neck Tumor Board	7/12/18	9:00-9:50	
ACGME Related Discussion: Resident Duty Hours and Department Escalation Policy	7/19/18	6:30-7:00	Nira Goldstein, MD MPH
Oral Pathology	7/19/18	7:00-7:50	Eliot Regenbogen, MD
Audiogram	7/19/18	8:00-8:50	John Weigand, AuD
Medical Student Presentations	7/26/18	6:30-7:00	Sean McKee Joshua Feintuch Stephanie Tominaga
Quality Improvement Conference	7/26/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Local Flaps and Grafts in the Head & Neck	7/26/18	8:00-8:50	Sydney Butts, MD
Multidisciplinary Head & Neck Tumor Board	7/26/18	9:00-9:50	
ACGME Core Competency and Residency Issues: New Innovations, Surgical Case Logs	8/2/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
HPV and Head & Neck Cancer	8/2/18	7:00-7:50	Victor Lagmay, MD
Bailey's Chapter Review: Chapter 143: Otosclerosis	8/2/18	8:00-8:50	A. Timashpolsky, MD Michael Weber, MD
CORE Research Grants	8/9/18	6:30-7:00	Richard Kollmar, MD
Surgery in Head and Neck Oncology: When the Head Justifies the Means	8/9/18	7:00-7:50	N. Chernichenko, MD
Topics in Neck Cancer	8/9/18	8:00-8:50	Michael Weiss, MD
Multidisciplinary Head & Neck Tumor Board	8/9/18	9:00-9:50	
ACGME: Management of Fatigue	8/16/18	6:30-7:00	Nira Goldstein, MD
The Larynx, Dysphonia, and Dysphagia	8/16/18	7:00-7:50	B. Bentsianov, MD
Thyroid & Parathyroid	8/16/18	8:00-8:50	K. Sundaram, MD
Sub-Intern Presentations	8/23/18	6:30-7:00	Jeremy Feintuch David Lehmann
Quality Improvement Conference	8/23/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
HIPAA Compliance	8/23/18	8:00-8:50	Shoshana Milstein
Multidisciplinary Head & Neck Tumor Board	8/23/18	9:00-9:50	Richard Rosenfeld, MD MPH, MBA
Mentor Meetings	8/30/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA

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Allergy and Immunology	8/30/18	7:00-7:50	Marina Boruk, MD
Mock Oral Boards	8/30/18	8:00-8:50	Marina Boruk, MD
ACGME Core Competency and Residency Issues: Patient Care, Work Hours	9/6/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Eustachian Tube Dysfunction, Balloon Dilation	9/6/18	7:00-7:50	Michal Preis, MD
Bailey's Chapter Review: Chapter 145 Otologic Manifestations of Systematic Disease	9/6/18	8:00-8:50	Prayag Patel, MD Rahul Gulati, MD
Research Review: AAO-HNS Presentations	9/13/18	6:30-7:00	Nira Goldstein, MD MPH
Modifiers Demystified	9/13/18	7:00-7:50	Marina Boruk, MD
Journal Club	9/13/18	8:00-8:50	Nira Goldstein, MD MPH
Multidisciplinary Head & Neck Tumor Board	9/13/18	9:00-9:50	
ACGME Core Competency & Residency Issues: Patient Care, Work Hours	9/20/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Lectures on Otology and Practice of Medicine	9/20/18	7:00-9:00	Sujana Chandrasekhar, MD, FACS
Core Clinical: AO Course	9/27/18	6:30-7:00	Daniel Sukato, MD Derek Wu, MD
Quality Improvement Conference	9/27/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Lateral Temporal Bone Resection	9/27/18	8:00-8:50	Ryan Tabtabai, MD
Multidisciplinary Head & Neck Tumor Board	9/27/18	9:00-9:50	
ACGME Related Discussion: Medical Knowledge & PBLI	10/4/18	7:00-7:25	Richard Rosenfeld, MD MPH, MBA
Interdisciplinary Grand Rounds Discussion	10/4/18	7:30-8:45	K. Sundaram, MD
Medical Student Presentations	10/11/18	6:30-7:00	Samuel Joseph Emlyn Diakow
Nerve Testing in Facial Nerve Paralysis	10/11/18	7:30-7:50	Yaacov Anziska, MD
Journal Club	10/11/18	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Multidisciplinary Head & Neck Tumor Board	10/11/18	9:00-9:50	
Pediatric Airway Conference – Grand Rounds Cancelled – 10/18/18			
Research Review: Statistical Inference	10/25/18	6:30-7:00	Nira Goldstein, MD MPH
Quality Improvement Conference	10/25/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Imaging of the Temporal Bone	10/25/18	8:00-8:50	V. Velayudham, MD
Multidisciplinary Head & Neck Tumor Board	10/25/18	9:00-9:50	
ACGME Core Competency and Residency Issues: Professionalism	11/1/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Stryker Workshop: Piezoelectric System	11/1/18	7:00-8:50	
Research Review: Research Grid Update	11/8/18	6:30-7:00	Nira Goldstein, MD MPH
The Strep Dilemma	11/8/18	7:00-7:50	Ari Goldsmith, M
Journal Club	11/8/18	8:00-8:50	Richard Rosenfeld, MD



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			MPH, MBA
Multidisciplinary Head & Neck Tumor Board	11/8/18	9:00-9:50	
Otology Imaging & Case Review	11/15/18	6:30-7:00	Matthew Hanson, MD
Wellness Talk	11/15/18	7:00-7:50	Wendy Lau, MD
Pediatric OSA	11/15/18	8:15-8:50	Resident Presentation
Grand Rounds Cancelled – Thanksgiving	11/22/18		
Core Clinical	11/29/18	6:30-7:00	Ryan Tabtabai, MD
Quality Improvement Conference	11/29/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Congenital Hearing Loss: From Screening to Diagnosis	11/29/18	8:00-8:50	A. Timashpolsky, MD
Residency Interview – Grand Rounds Cancelled – 12/6/18			
Systematic Review of Observational Studies	12/13/18	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Decannulation in Children	12/13/18	7:00-7:50	Americo Equibies, MD
Journal Club	12/13/18	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Multidisciplinary Head & Neck Tumor Board	12/13/18	8:00-8:50	
ACGME-related discussion	12/20/18	6:30-7:00	Nira Goldstein, MD, MPH
Subglottic Stenosis	12/20/18	7:00-7:50	Ann Plum, MD
Bailey Chapter Review: Laryngeal Stenosis	12/20/18	8:00-8:50	Anthony Alessi, MD
Core Clinical	12/27/18	6:30-7:00	Resident Presentation
Quality Improvement Conference	12/27/18	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Resident Presentation: Chronic Rhinosinusitis	12/27/18	8:00-8:50	Derek Wu, MD
Multidisciplinary Head & Neck Tumor Board	12/27/18	9:00-9:50	
Lenox Hill/MEETH/NYPBM Rotation Discussion	1/3/19	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Billing and Coding/Modifiers	1/3/19	7:00-7:50	Marina Boruk, MD
Bailey Chapter Review: Fungal Rhinosinusitis	1/3/19	8:00-8:50	Resident Presentation
Residency Interviews - Grand Rounds Cancelled - 1/10/19			
Imaging Review Rhinology	1/17/19	6:30-7:00	Marina Boruk, MD
Immunotherapy	1/17/19	7:00-7:50	Rauno Joks, MD
Bailey's Chapter Review: Complications Of Rhinosinusitis	1/17/19	8:00-8:50	Resident Presentation
Resident Core Clinical	1/24/19	6:30-7:00	Sam Schild, MD
Quality Improvement Conference	1/24/19	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Resident Presentation: CSF Leaks	1/24/19	8:00-8:50	Ankit Kansal, MD
Multidisciplinary Head & Neck Tumor Board	1/24/19	9:00-9:50	
Bronchoscopic Findings in Children	1/31/19	6:30-7:00	Ann Plum, MD
Improving Outcomes in Frontal Sinus Surgery	1/31/19	7:00-7:50	Satish Govindaraj, MD
Mock Oral Boards	1/31/19	8:00-8:50	Marina Boruk, MD

CV Clinic	2/7/19	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Facial Plastics	2/7/19	7:00-7:50	Judy Lee, MD
Bailey's Chapter Review: Chemical Peeling and Laser Skin Resurfacing	2/7/19	8:00-8:50	
Resident Plans for Research Day	2/14/19	6:30-7:00	Nira Goldstein, MD, MPH
Evolution of Rhinoplasty	2/14/19	7:00-7:50	K. Tarashansky, MD
Journal Club	2/14/19	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Multidisciplinary Head & Neck Tumor Board	2/14/19	9:00-9:50	
Imaging Review Laryngology	2/21/19	6:30-7:00	Boris Bentsianov, MD
Resident Piezoelectric Workshop	2/21/19	7:00-9:00	
Resident Core Clinical-Photography at KCHC	2/28/19	6:30-7:00	A. Timashpolsky, MD
Quality Improvement Conference	2/28/19	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Annual Department Photos	2/28/19	8:15-8:50	
Multidisciplinary Head & Neck Tumor Board	2/28/19	9:00-9:50	
ACGME Core Competency Work Hours	3/7/19	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Orthognathics: Applications in Corrective Jaw Surgery and Obstructive Sleep Apnea	3/7/19	7:00-7:50	S. Yusupov, MD, DDS
Bailey's Chapter Review Cosmetic Uses of Botox and Injectable Fillers	3/7/19	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Research Grid Review	3/14/19	6:30-7:00	Nira Goldstein, MD, MPH
Skin Care for the Midlife Woman	3/14/19	7:00-7:50	Melynda Barnes, MD
Journal Club	3/14/19	8:00-8:50	
Multidisciplinary Head & Neck Tumor Board	3/14/19	9:00-9:50	
Imaging Review Otology/Neurotology	3/21/19	6:30-7:00	Matthew Hanson, MD
Principles of Mohs Reconstruction	3/21/19	7:00-7:50	Elizabeth Floyd, MD
Bailey's Chapter Review: Blepharoplasty	3/21/19	8:00-8:50	Rahual Gulati, MD Prayag Patel, MD
Resident Core Clinical: Nasoorbitoethmoid Fractures	3/28/19	6:30-7:00	Sam Schild, MD
Quality Improvement Conference	3/28/19	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Management of Frontal Sinus Fractures	3/28/19	8:00-8:50	Prayag Patel, MD
Multidisciplinary Head & Neck Tumor Board	3/28/19	9:00-9:50	
Laryngology Imaging/Case Review	4/4/19	6:30-7:00	Boris Bentsianov, MD
Novel Surgical Procedures to Improve Voice And Swallow Function	4/4/19	7:00-7:50	Peak Woo, MD
Bailey's Chapter Review: Neurologic Disorders of the Larynx	4/4/19	8:00-8:50	Hunter Hopkins, MD Prayag Patel, MD
Multidisciplinary Head & Neck Symposium – Grand Rounds Cancelled – 4/11/19			
Core Competency Practice Based Learning and Improvement	4/18/19	6:30-7:00	Richard Rosenfeld, MD MPH, MBA



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Mental Illness, Medical Outcomes, and the Role of Recovery-based Managed Care through HARP and HCBS	4/18/19	7:00-7:50	R.Viswanathan, MB, BS
Bailey's Chapter Review: Benign Vocal Fold Lesions	4/18/19	8:00-8:50	Michael Weber, MD Prayag Patel, MD
Resident Core Clinical "Fundamentals of Flexible Laryngoscopy and Angioedema"	4/25/19	6:30-7:00	Ryan Tabtabai, MD
Quality Improvement Conference	4/25/19	7:00-7:50	Richard Rosenfeld, MD MPH, MBA
Spasmodic Dysphonia	4/25/19	8:00-8:50	Sandra Ho, MD
Multidisciplinary Head & Neck Tumor Board	4/25/19	9:00-9:50	
Grand Rounds Cancelled - COSM	5/2/19		
Laryngology Imaging/Case Review	5/9/19	6:30-7:00	Rachel Kaye, MD
Advanced Thyroplasty and Gender Affirmation Surgery	5/9/19	7:00-7:50	Rachel Kaye, MD
Journal Club	5/9/19	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Multidisciplinary Head & Neck Tumor Board	5/9/19	9:00-9:50	
Review of In-service (OTE) Exam and Annual ACGME Resident Program Survey	5/16/19	6:30-7:00	Richard Rosenfeld, MD MPH, MBA
Faculty Practice Retreat	5/16/19	7:00-9:00	
Evidence-based Use of Nasal Sprays for Chronic Sinusitis	5/23/19	6:30-7:00	Sandra Ho, MD
Lateral Temporal Bone Resection	5/23/19	7:00-7:50	Ryan Tabtabai, MD
Quality Improvement Conference	5/23/19	8:00-8:50	Richard Rosenfeld, MD MPH, MBA
Multidisciplinary Head & Neck Tumor Board	5/23/19	9:00-9:50	
Malpractice in ENT	5/30/19	6:30-7:00	Michael Weiss, MD
Management of Early Glottic Cancer	5/30/19	7:00-7:50	Rachel Irizarry, MD
Mock Oral Boards	5/30/19	8:00-8:50	Marina Boruk, MD
Annual Frank E. Lucente Alumni & Resident Research Day – Grand Rounds Cancelled – 6/6/19			
Resident Experience on a Medical Mission Trip for Cleft Lip and Palate Repair	6/13/19	6:30-7:00	George Ferzli, MD
Cutaneous Melanoma of the Head & Neck	6/13/19	7:00-7:50	Sam Schild, MD
Journal Club	6/13/19	8:00-8:50	Nira Goldstein, MD
MPH Multidisciplinary Head & Neck Tumor Board	6/13/19	9:00-9:50	
Medical Student Presentations	6/20/19	6:30-7:00	Sylvia Horne Sean Mooney
Quality Improvement Conference	6/20/19	7:00-7:50	Richard Rosenfeld, MD
Surgical Management of Anterior Skull Base Neoplasms	6/20/19	8:00-8:50	Daniel Sukato, MD
New Resident Orientation	6/27/19	6:30-8:00	
Resident Crash Course	6/27/19	8:00-9:00	

OTOLARYNGOLOGY RESIDENTS

Fifth Year Otolaryngology



Anthony Alessi, MD

College: Stony Brook University - 2009

Medical School: SUNY – Health Science Center at Brooklyn - 2014

Internship: SUNY – Health Science Center at Brooklyn - 2015



George Ferzli, MD

College: Georgetown University - 2009

Medical School: SUNY – Health Science Center at Brooklyn - 2014

Internship: SUNY – Health Science Center at Brooklyn - 2015

Fourth Year Otolaryngology



Daniel Ballard, MD

College: University of Virginia - 2010

Medical School: Eastern Virginia Medical School - 2015

Internship: SUNY – Health Science Center at Brooklyn - 2016



Sandra Ho, MD

College: Johns Hopkins University - 2008

Medical School: Jefferson Medical College of Thomas Jefferson University - 2014

Internship: SUNY – Health Science Center at Brooklyn - 2015



Daniel Sukato, MD

College: Cornell University - 2009

Medical School: University Of Pittsburgh School of Medicine - 2015

Internship: SUNY – Health Science Center at Brooklyn - 2016



Derek Wu, MD

College: University of California - 2011

Medical School: Albert Einstein College of Medicine of Yeshiva University - 2015

Internship: SUNY – Health Science Center at Brooklyn - 2016

Third Year Otolaryngology



Rachel Irizarry, MD

College: Binghamton University - 2010

Medical School: SUNY – Health Science Center at Brooklyn - 2015

Internship: SUNY – Health Science Center at Brooklyn - 2017



Prayag Patel, MD

College: Boston University - 2012

Medical School: SUNY – Health Science Center at Brooklyn - 2016

Internship: SUNY – Health Science Center at Brooklyn - 2017



Alisa Timashpolsky, MD

College: Cornell University - 2011

Medical School: SUNY at Stony Brook – School of Medicine - 2016

Internship: SUNY – Health Science Center at Brooklyn - 2017

Second Year Otolaryngology



Ankit Kansal, MD

College: Wesleyan University - 2010

Medical School: Yale University School of Medicine - 2017

Internship: SUNY – Health Science Center at Brooklyn - 2018

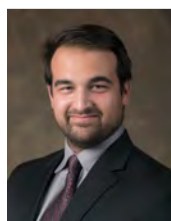


Sam Schild, MD

College: Cornell University - 2012

Medical School: Rutgers University, Robert Wood Johnson Medical School - 2017

Internship: SUNY – Health Science Center at Brooklyn - 2018



Ryan Tabtabai, MD, MPH

College: University of Connecticut - 2012

Medical School: University of Connecticut School of Medicine - 2017

Internship: SUNY – Health Science Center at Brooklyn - 2018

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First Year Otolaryngology**Hunter Hopkins, MD**

College: Louisiana State University
Medical School: Louisiana State University School of Medicine - 2018
Internship: SUNY – Health Science Center at Brooklyn - 2018

**Rahul Gulati, MD**

College: Rutgers University
Medical School: Rutgers New Jersey Medical School - 2018
Internship: SUNY – Health Science Center at Brooklyn - 2018

**Michael Weber, MD**

College: CUNY Brooklyn College
Medical School: State University of New York Downstate Medical Center College - 2018
Internship: SUNY – Health Science Center at Brooklyn - 2018

Incoming Residents

(starting July 1, 2019)

**Stephanie Tominaga, MD**

College: Cornell University - 2009
Medical School: University of South Florida - 2019
Internship: SUNY – Health Science Center at Brooklyn - 2019

**Jennifer Liang, MD**

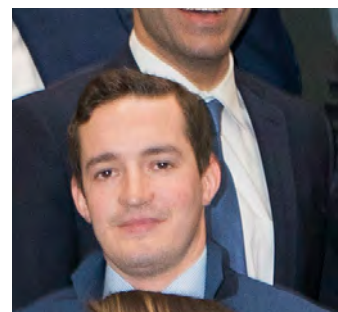
College: University of Pennsylvania - 2012
Medical School: Boston University School of Medicine - 2019
Internship: SUNY – Health Science Center at Brooklyn - 2019

**Fasil Mathews, MD**

College: University of Pittsburgh - 2015
Medical School: University of Pittsburgh School of Medicine - 2019
Internship: SUNY – Health Science Center at Brooklyn - 2019

Graduating Residents

George Ferzli, MD, Graduating Resident



Anthony Alessi, MD, Graduating Resident

ANNUAL DEPARTMENTAL PHOTOGRAPHS



(L to R): George Ferzli, MD, Graduating Resident; Richard M. Rosenfeld, MD, Distinguished Professor and Chairman; Nira A. Goldstein, MD, Associate Program Director; Anthony Alessi, MD, Graduating Resident



Front Row (L to R): Natalya Chernichenko, MD, Faculty; Ann Plum, MD, Faculty; Alisa Timashpolsky, MD, Resident; Richard M. Rosenfeld, MD, Distinguished Professor and Chairman; Nira A. Goldstein, MD, Faculty; Marina Boruk, MD, Faculty; Rachel Irizarry, MD, Resident; Hunter Hopkins, MD, Resident; Ankit Kansal, MD, Resident

2nd Row (L to R): Derek Wu, MD, Resident; Prayag Patel, MD, Resident; Sam Schild, MD, Resident; Anthony Alessi, MD, Graduating Resident; George Ferzli, MD, Graduating Resident; Michael Weber, MD, Resident; Krishnamurthi Sundaram, MD, Faculty

3rd Row (L to R): Rahul Gulati, MD, Resident; Boris Bentsianov, MD, Faculty; Matthew B. Hanson, MD, Faculty; Sandra Ho, MD, Resident; Daniel Sukato, MD, Resident; Daniel Ballard, MD, Resident; Michael Weiss, MD, Faculty; Gady-Har-El, MD, Faculty

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Before Grand Rounds...



... After Grand Rounds



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**DEPARTMENT OF OTOLARYNGOLOGY
RESIDENT ROTATION SCHEDULE
ACADEMIC YEAR 2018-2019**

	KCHC/SUNY	LENOX HILL /MEETH SUKATO TABTABAI	AMBUL. CARE* /NYPBM ALESSI HO PATEL	<u>2018</u> RESEARCH* TIMASHPOLSKY	MAIMO BALLARD	NON-OTO PGY-1 WEBER-MAIMO GULATI-ENT-SUNY/KCHC HOPKINS-NEURO/KCHC
JULY	FERZLI WU IRIZARRY SCHILD KANSAL					
AUGUST	FERZLI WU IRIZARRY SCHILD KANSAL	SUKATO TABTABAI	ALESSI HO PATEL	TIMASHPOLSKY	BALLARD	WEBER-MAIMO GULATI- NEURO/KCHC HOPKINS-ENT-SUNY/KCHC
SEPTEMBER	FERZLI WU IRIZARRY SCHILD TABTABAI	SUKATO KANSAL	ALESSI HO PATEL	TIMASHPOLSKY	BALLARD	WEBER-NEURO/KCHC GULATI-ENT/MAIMO HOPKINS-KCHC-A(gen. surg)
OCTOBER	ALESSI HO IRIZARRY SCHILD TABTABAI	BALLARD KANSAL	FERZLI WU PATEL	TIMASHPOLSKY	SUKATO	WEBER-ENT-SUNY/KCHC GULATI-ENT/MAIMO HOPKINS-OMFS/KCHC
NOVEMBER	ALESSI HO PATEL KANSAL TABTABAI	BALLARD SCHILD	FERZLI WU TIMASHPOLSKY	IRIZARRY	SUKATO	WEBER- KCHC-T(trauma) GULATI-SICU HOPKINS-ENT/MAIMO
DECEMBER	ALESSI HO PATEL KANSAL TABTABAI	BALLARD SCHILD	FERZLI WU TIMASHPOLSKY	IRIZARRY	SUKATO	WEBER-OMFS/KCHC GULATI-KCHC-T(trauma) HOPKINS-ENT/MAIMO

PGY-3 resident on Research Rotation and Ambulatory Care Rotation takes call at Maimonides

**DEPARTMENT OF OTOLARYNGOLOGY
RESIDENT ROTATION SCHEDULE
ACADEMIC YEAR 2018-2019**

	KCHC/SUNY	LENOX HILL /MEETH SUKATO TABTABAI	AMBUL. CARE* /NYPBM ALESSI BALLARD TIMASHPOLSKY	<u>2019</u> RESEARCH* IRIZARRY	MAIMO WU	NON-OTO PGY-1 WEBER-ENT/MAIMO GULATI-OMFS-KCHC HOPKINS-SICU
JANUARY	FERZLI SUKATO PATEL SCHILD KANSAL	HO TABTABAI	ALESSI BALLARD TIMASHPOLSKY	IRIZARRY	WU	WEBER-ENT/MAIMO GULATI-OMFS-KCHC HOPKINS-SICU
FEBRUARY	FERZLI SUKATO PATEL SCHILD KANSAL	HO TABTABAI	ALESSI BALLARD TIMASHPOLSKY	IRIZARRY	WU	WEBER-ENT/MAIMO GULATI-KCHC-B(gen. surg) HOPKINS-KCHC-B
MARCH	FERZLI SUKATO TIMASHPOLSKY SCHILD TABTABAI	HO KANSAL	ALESSI BALLARD IRIZARRY	PATEL	WU	WEBER-KCHC-B GULATI-ENT/MAIMO HOPKINS-ANES/SUNY
APRIL	ALESSI BALLARD TIMASHPOLSKY SCHILD TABTABAI	WU KANSAL	FERZLI SUKATO IRIZARRY	PATEL	HO	WEBER-SICU GULATI-ENT/MAIMO HOPKINS-ENT-SUNY/KCHC
MAY	ALESSI BALLARD TIMASHPOLSKY KANSAL TABTABAI	WU SCHILD	FERZLI SUKATO IRIZARRY	PATEL	HO	WEBER-ANES/SUNY GULATI-ENT-SUNY/KCHC HOPKINS-ENT/MAIMO
JUNE	ALESSI BALLARD TIMASHPOLSKY KANSAL TABTABAI	WU SCHILD	FERZLI SUKATO IRIZARRY	PATEL	HO	WEBER-ENT-SUNY/KCHC GULATI-ANES/SUNY HOPKINS-ENT/MAIMO

PGY-3 resident on Research Rotation and Ambulatory Care Rotation takes call at Maimonides

2018-2019ResidentRotationSchedule

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**DEPARTMENT OF OTOLARYNGOLOGY
RESIDENT ROTATION SCHEDULE
ACADEMIC YEAR 2019-2020**

	KCHC/SUNY	LENOX HILL /MEETH	AMBUL. CARE /MEETH	2019 NYPBM	RESEARCH	MAIMO	LIJ	NON-OTO PGY-1
JULY	BALLARD PATEL TABTABAI WEBER GULATI	IRIZARRY HOPKINS	SUKATO	WU KANSAL	SCHILD	TIMASHPOLSKY	HO	MATHEWS – ENT:SUNY/KCHC LIANG-ENT:MAIMO TOMINAGA-NEUROSURG KCHC
AUGUST	BALLARD PATEL TABTABAI WEBER GULATI	IRIZARRY HOPKINS	SUKATO	WU KANSAL	SCHILD	TIMASHPOLSKY	HO	MATHEWS-NEUROSURG- KCHC LIANG- ENT:MAIMO TOMINAGA- ENT:SUNY/ /KCHC
SEPTEMBER	BALLARD PATEL TABTABAI HOPKINS GULATI	IRIZARRY WEBER	SUKATO	WU KANSAL	SCHILD	TIMASHPOLSKY	HO	MATHEWS- ENT:MAIMO LIANG-NEUROSURG:KCHC TOMINAGA-KCHC-PEDS
OCTOBER	WU PATEL TABTABAI HOPKINS GULATI	IRIZARRY WEBER	HO	SUKATO KANSAL	SCHILD	TIMASHPOLSKY	BALLARD	MATHEWS- ENT:MAIMO LIANG- ENT:SUNY/KCHC TOMINAGA-OMFS:KCHC
NOVEMBER	WU IRIZARRY SCHILD HOPKINS WEBER	TIMASHPOLSKY GULATI	HO	SUKATO TABTABAI	KANSAL	PATEL	BALLARD	MATHEWS-KCHC-PEDS LIANG-KCHC-T TOMINAGA-ENT:MAIMO
DECEMBER	WU IRIZARRY SCHILD HOPKINS WEBER	TIMASHPOLSKY GULATI	HO	SUKATO TABTABAI	KANSAL	PATEL	BALLARD	MATHEWS-SICU LIANG-OMFS:KCHC TOMINAGA-ENT:MAIMO

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**DEPARTMENT OF OTOLARYNGOLOGY
RESIDENT ROTATION SCHEDULE
ACADEMIC YEAR 2019-2020**

	KCHC/SUNY	LENOX HILL /MEETH	AMBUL. CARE /MEETH	2020 NYPBM	RESEARCH*	MAIMO	LIJ	NON-OTO PGY-1
JANUARY	HO IRIZARRY SCHILD GULATI WEBER	TIMASHPOLSKY HOPKINS	WU	BALLARD TABTABAI	KANSAL PATEL		SUKATO	MATHEWS-OMFS:KCHC LIANG-ENT:MAIMO TOMINAGA-KCHC-T
FEBRUARY	HO IRIZARRY SCHILD GULATI WEBER	TIMASHPOLSKY HOPKINS	WU	BALLARD TABTABAI	KANSAL	PATEL	SUKATO	MATHEWS-KCHC-T LIANG-ENT:MAIMO TOMINAGA-SICU
MARCH	HO TIMASHPOLSKY KANSAL GULATI HOPKINS	PATEL WEBER	WU	BALLARD SCHILD	TABTABAI	IRIZARRY	SUKATO	MATHEWS-ENT:MAIMO LIANG-KCHC-PEDS TOMINAGA-ANES:SUNY
APRIL	SUKATO TIMASHPOLSKY KANSAL GULATI HOPKINS	PATEL WEBER	BALLARD	HO SCHILD	TABTABAI	IRIZARRY	WU	MATHEWS-ENT:MAIMO LIANG-SICU TOMINAGA-ENT:SUNY /KCHC
MAY	SUKATO TIMASHPOLSKY KANSAL WEBER HOPKINS	PATEL GULATI	BALLARD	HO SCHILD	TABTABAI	IRIZARRY	WU	MATHEWS-ENT:SUNY /KCHC LIANG-ANES:SUNY TOMINAGA-ENT:MAIMO
JUNE	SUKATO TIMASHPOLSKY KANSAL WEBER HOPKINS	PATEL GULATI	BALLARD	HO SCHILD	TABTABAI	IRIZARRY	WU	MATHEWS-ANES:SUNY LIANG-ENT:SUNY/KCHC TOMINAGA-ENT:MAIMO

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

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

This year includes 3 four-month rotations, two four-month rotations at Kings County Hospital Center/ University Hospital of Brooklyn and one four-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.

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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.

TYPICAL SURGICAL PROCEDURES PERFORMED DURING PGY-4

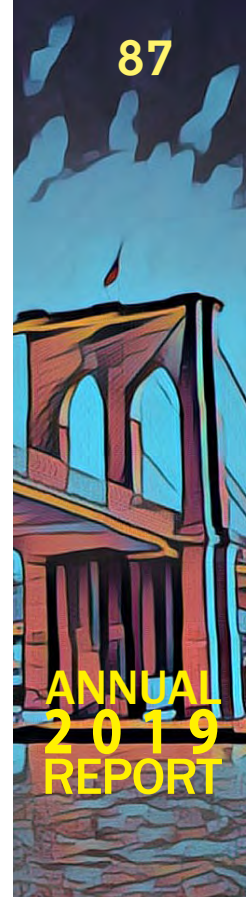
- Canaloplasty
- Tympanoplasty II-IV (without Mastoidectomy)
- Modified Radical Mastoidectomy
- Simple Mastoidectomy
- Transnasal approach to the sella
- Closure of Pharyngostome
- Transantral Ligation of Vessels
- Oroantral Fistula Repair
- Choanal Atresia Repair
- Uvulopalatopharyngoplasty
- Excision 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 one three-month rotation at North Shore/CFAM, one three-month rotation at NYMH, one three-month rotation at KCHC/UHB, and one three-month Ambulatory Care/MEETH/NYMH. 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 M&M/PI/CQI 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.



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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.

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.

Training in Otolaryngology Allergy, and Immunology

Training in otolaryngologic allergy and immunology includes the following:

- Attendance at the Weill Cornell Allergy Resident Education (WeCare) course at the Weill Cornell Medical College
- 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:

- 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 6 sites (7 hospitals) is under the direction of a full-time staff member:

- | | |
|--|-------------------|
| • University Hospital of Brooklyn: | Richard Rosenfeld |
| • Kings County Hospital Center: | Matthew Hanson |
| • Maimonides Medical Center: | Michael Weiss |
| • NY Presbyterian Brooklyn
Methodist Hospital: | K. Sundaram |
| • Lenox Hill/ MEETH: | Jessica Lim |
| • North Shore University Hospital –
Northwell Ambulatory Surgery at the
Center for Advanced Medicine | Scott Harris |

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.

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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 in the next year.

A comprehensive animal laboratory is also located at SUNY-Downstate. The Brooklyn VA Medical Center also has an animal care facility and laboratory, which provides another potential site for research projects and funding.

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

This rotation schedule reflects our uneven distribution of residents for the academic years between 2017 and 2020 as one of our residents returned from a one-year medical leave on 5/15/17. During the 2019-2020 academic year, there will be four PGY-5 residents. In 2020-2021, we will return to our usual complement of three residents per year.

Rotation Schedule 2019-2020

PGY-1 (n=3)	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: 2 months at KCHC/UHB and 4 months at Maimonides	
	4 months	4 months	4 months	
PGY-2 (n=3)	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH	
PGY-3 (n=3)	Research	NYMH	KCHC/UHB	
	3 months	3 months	3 months	3 months
PGY-4 (n=4)	North Shore/CFAM	Maimonides	KCHC/UHB	Lenox Hill/MEETH

Rotation Schedule 2020-2021

PGY-1 (n=3)	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: 2 months at KCHC/UHB and 4 months at Maimonides	
	4 months	4 months	4 months	
PGY-2 (n=3)	KCHC/UHB	KCHC/UHB	Lenox Hill/MEETH	
PGY-3 (n=3)	Research	NYMH	KCHC/UHB	
PGY-4 (n=3)	Ambulatory Care/MEETH	Maimonides	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

CFAM – Northwell Ambulatory Surgery at the Center for Advanced Medicine

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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 Bailey's 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.

Home Study Course

The Home Study Course, offered by AAO-HNS, includes current reprints. This course emphasizes both classic and current studies in otolaryngology-head and neck surgery. The course consists of compendia published in four sections a year, beginning each September. 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

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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.

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.

A retrospective study using the clinical material available at any or all affiliated institutions should also be performed during the regular clinical assignments. Again, a protocol should be written and approved by the research committee prior to incurring any expense.

SERVICE CHIEF REPORTS

Division of Pediatric Otolaryngology

Ann Plum, MD

The Division of Pediatric Otolaryngology, now in its 27th year, has continued to achieve excellence in patient care, teaching, and research during the 2018-2019 academic year.

The division has continued its expansion at multiple Brooklyn sites, including SUNY Downstate University Hospital, New York - Presbyterian Brooklyn Methodist Hospital, 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. The faculty base has expanded by the addition of Ann Plum, MD. This year has also seen continued success in providing care for children in a multidisciplinary fashion through the multi-disciplinary Brooklyn Cleft and Craniofacial Center and the formation of a multidisciplinary Aerodigestive Clinic.

Academic pursuits remain strong priorities as the Division continues to forge a national reputation. Richard Rosenfeld, MD, MPH, MBA, 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 started to be active with clinical research within the Department. Research is regularly presented at national meetings. In addition, all faculty continue to be active participants 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, 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 with him at Manhattan Eye, Ear and Throat Hospital (MEETH)

Academic activity from the division included presentations at national meetings, along with publications and chapter submissions to otolaryngology textbooks. Areas of research include the epidemiological factors impacting rates of cleft lip and palate among New York City residents, facial trauma research looking at associations between facial fractures and concussions. The facial plastics division co-sponsored the Annual Multidisciplinary Head and Neck Conference in April 2019 which focused on reconstruction in patients with facial nerve paralysis. The conference was co-hosted by the John Conley Division of Humanities and Medical Ethics recognizing Dr. Conley's important contributions to facial reanimation techniques. Faculty for the meeting also included medical ethicists to explore the decision making in complex reconstructive surgery of the face. A surgical anatomy didactic session was included for residents to learn the anatomy of the techniques used in these cases.

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 Otolaryngology and Neurotology**Matthew B. Hanson, MD**

The Division of Otolaryngology 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 the Division of Communicative Disorders, 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. Otolaryngology 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 Temporal Bone Radiology 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 past year has seen continued growth to the Otolaryngology Division. In addition to Dr. Michal Preis, who has continued to bring state of the art otology to Maimonides Medical Center, we have benefitted greatly from our new affiliation with Lenox Hill Hospital and Manhattan Eye, Ear and Throat Hospital. Dr. Preis has continued to advance endoscopic ear surgery and had served as an instructor at a course in EES at Columbia. At MEETH, our residents now get to work with Drs Ian Storper, Darius Kohan and Sujana Chandrasekhar and have significantly increased the otologic experience of our residents. At SUNY-Downstate, the Cochlear Implant Program under Dr Matthew Hanson and Dr. Jennifer Srour has continued to expand and we have also affiliated with Island Audiology in Staten Island to provide cochlear implant and BAHA services for their patients.

While we continue to await the construction of our new Temporal Bone Lab at Downstate, we continue to be able to use the excellent Lab at NYU Bellevue. We are hoping that construction of our own lab can begin this year.

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, both clinically and academically. Drs. Sundaram, Har-El, Chernichenko, Butts, Hanson and Lim, continue their role in 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 Methodist Hospital. In the spirit of multidisciplinary approach, management decisions are made in collaboration by head and neck surgeons, radiation oncologists, medical oncologists, radiologists, and pathologists. There is full participation of our attending and resident staff members in all tumor board conferences. Dr. Frank Lucente contributes invaluable advice on ethical issues. These dedicated tumor board sessions have been very successful in discussing difficult 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 special emphasis on quality of life of cancer patients and their families that led to establishment of our survivorship program. Head and neck cancer can impact some of the most basic human functions, including swallowing, speech, sight, fertility and appearance just to name a few. Our head and neck surgeons as well as our laryngologists, Dr. Bentsianov [division director] and Dr. Silverman, in collaboration with speech and language pathologists, Dr. Luis Riquelme and Ms. Alexandra Soyfer, work with our patients to rehabilitate every aspect of speech and swallowing function following ablative head and neck surgery. Physicians in the Division of Microvascular and Reconstructive Surgery have been working closely with our cancer surgeons on advanced reconstructive procedures for head and neck cancer.

In the Division of Head and Neck Surgery and Oncology we place a special emphasis on basic science and clinical research. Our Division of Head and Neck Surgery in collaboration with Dr. Richard Kollmar and Dr. Rosenfeld had successfully secured Empire Clinical Research Investigator Program (ECRIP) Grant

(\$150,000) to investigate the mechanisms of perineural invasion by head and neck cancers. The results of this work should directly impact the clinical care of cancer patients not only by improving survival and preventing progression of neurotrophic tumors, but also by improving patients' quality of life by diminishing pain and functional impairment. Faculty members and residents of our department are regular participants and attendees at the meetings of the New York Head and Neck Society, which is the largest local/regional head and neck oncological organization in North America. Our Chairman, Dr. Richard Rosenfeld has supported the head and neck division and strongly encouraged its growth. With his help we look forward to further 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 16 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. This year the Division is further growing with the addition of a new full time Laryngologist in the department who will be spending time at the SUNY Downstate campus, Kings County Medical Center, NY Methodist Hospital 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 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 a 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.

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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, electro-nystagmography, 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 University Hospital of Brooklyn, Kings County Hospital Center, and the Auditory Oral School of New York.

Communicative Disorders Staff

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

Saleh Saleh, AuD, CCC-A

Supervisor of Audiology, responsible for supervising staff Audiologists as well as 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.

Talia Mizrahi, AuD

New York State Licensed Audiologist and Hearing Aid Dispenser. She earned her Bachelor of Arts degree in Communication Sciences and Disorders at the University of Maryland, College Park in May 2013. After earning her B.S., she then attended Montclair State University, where she graduated in May 2017 with her Doctorate in Audiology. Her clinical specialties include pediatric and adult diagnostic testing as well as auditory evoked potentials ranging for the infant to geriatric population. She has experience in the realm of hearing aid fitting and programming, as well as with BAHAs and other implantable devices. Other clinical specialties include vestibular assessment and aural rehabilitation.

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 her 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.

The Audiology Department with the guidance of Dr. Sal Saleh AuD, is affiliated with several Audiology Doctorate programs in NY, NJ as well as Pennsylvania . We hold extensive interviews annually where we select two Audiology residents. We currently have 2 students.

SUNY Downstate Medical Center

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

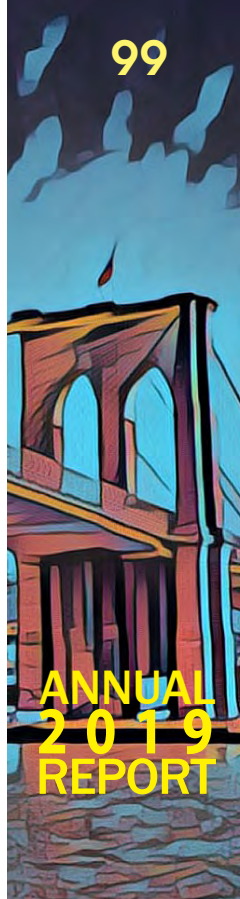
Credentialed audiologist who works alongside Dr Weigand providing all aspects of clinical care. Her specialties are diagnostic evaluations on children and adults, hearing aid evaluation and fitting and supervising and training audiology students.

Jennifer Srour, AuD

Cedentialed audiologist who works alongside Dr Weigand. Dr Srour'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 program we currently have 6 students. Our students function as full time supervised clinicians working alongside certified audiologist 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 2018-2019, Drs. Kollmar, Sundaram, Stewart, Sukato and Irizarry continued their work supported by an R03 from the NINDS studying seizure induced laryngospasm in mice and an R21 from the NIDCD studying the restoration of recurrent laryngeal nerve function after injury in a rat model. Dr. Chernichenko continues work on her New York State ECRIP Fellowship Award studying the role of Rho GTPases in perineural invasion in a zebrafish model. Drs. Boruk and Wu, in collaboration with the Departments of Medicine and Cell Biology, have continued their work supported by 2 FAMRI grants and one NIH grant studying eosinophils for the treatment of sinusitis, the impact of CXCL11 on chronic rhinosinusitis in smokers and transcriptome sequencing of neuronal cell lines from patients with schizophrenia.

Dr. Rosenfeld continued his work with the AAO-HNS, developing a clinical practice guideline on epistaxis, a clinical consensus statement on balloon dilation of the eustachian tube and quality measures for the society. Drs. Goldstein was the lead investigator for a multi-institutional study validating the Clinical Assessment Score-15 (CAS-15) for pediatric sleep-disordered breathing and presented her work at the 2019 annual meeting of the American Society of Pediatric Otolaryngology. Dr. Chernichenko, in collaboration with Dr. Moro Salifu of the Department of Medicine, initiated projects evaluating health disparities in patients with head and neck cancer and angioedema. Drs. Butts, Plum and Patel are performing a historical cohort study of immediate tracheostomy outcomes in adults and children. Dr. Irizarry presented her work on the lifesaving impact of tracheal implants in audiogenic seizure prone mice and Dr. Ho presented her work on a novel chronic ear grading system at the 14th Annual Metropolitan NY Resident Research Day Symposium.

Notable publications include Dr. Stewart's, Mr. Mooney's, Mr. Chin's, Ms. Villiere's, Dr. Kollmar's, Dr. Sundaram's, Dr. Lazar's, Dr. Kim's, Dr. Silverman's and Dr. Nakase's Diving responses elicited by nasopharyngeal irrigation mimic seizure associated central apneic episodes in a rat model published in *Neurobiology of Disease*, Dr. Goldstein's, Dr. Thomas', Dr. Yu's, Dr. Weaver's, Dr. Watanabe's, Mr. Dimopoulos', Dr. Wasserman's, Dr. Ahmad's, Dr. Ednick's, Dr. Vastola's and Dr. Weedon's The Impact of Adenotonsillectomy on Pediatric Asthma published in *Pediatric Pulmonology*, Dr. Butts', Dr. Reynolds', Dr. Gitman's, Dr. Patel's and Dr. Joseph's Patterns of Orofacial Clefting in New York City from 1983-2010: The Impact of Racial Background, Birthplace and Public Health Strategies published in *Cleft Palate Craniofacial Journal*, Dr. Patel's, Dr. Wu's, Mr. Schwartz' and Dr. Rosenfeld's Upper lip frenotomy for neonatal breastfeeding problems published in the *International Journal of Pediatric Otorhinolaryngology*, Dr. Wu's, Dr. Wasserman's and Dr. Boruk's Practice patterns of systemic corticosteroid use in complicated acute rhinosinusitis among rhinologists and pediatric otolaryngologists published in the *American Journal of Rhinology and Allergy*, and Dr. Ballard's, Dr. Timashpolsky's, Dr. Sukato's, Dr. Babu's, Dr. Rosenfeld's, and Dr. Hanson's Quality of Life Outcomes Following Surgical Treatment of Meniere's Disease: A Systematic Review and Meta-Analysis published in *Otolaryngology-Head and Neck Surgery*.

ONGOING RESEARCH PROJECTS

Faculty Research Projects:

Richard M. Rosenfeld, MD, MPH, MBA

1. Impact of upper lip frenotomy on neonatal breastfeeding
2. AAO-HNS clinical practice guideline on epistaxis
3. AAO-HNS clinical consensus statement on balloon dilation of the eustachian tube
4. AAO-HNS quality measures development program
5. Multiple ongoing projects assisting otolaryngology residents with research design, systematic review, and data analysis

Boris Bentsianov, MD

1. Randomized clinical control trial comparing the effects of a steroid eluting implant versus triamcinolone impregnated carboxymethylcellulose foam on the post-operative clinical experience of patients undergoing FESS surgery for nasal polyps
2. Systematic review of voice outcomes for injection laryngoplasty performed under local vs. general anesthesia
3. Patient self-perception of voice quality in Reinke's Edema – data acquisition

Marina Boruk, MD

1. FAMRI supported protocol: Targeting eosinophils for the treatment of sinusitis.
2. FAMRI supported protocol: The Impact of CXCL11 on Chronic Rhinosinusitis in Smokers.
3. NIH grant supported study: Transcriptome sequencing of neuronal cell lines from patients with schizophrenia.
4. Randomized clinical control trial using carboxymethylcellulose impregnated triamcinolone in nasal polyposis.

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Sydney Butts, MD

1. The Incidence of Concussions in Facial Trauma Patients: a Prospective Study
2. A retrospective review of immediate post-operative tracheostomy complications in adults and children

Natalya Chernichenko, MD

1. NSQIP database project
2. Morbidity of thyroidectomy Graves vs non-Graves disease patients
3. Complications of major head and neck surgeries in octogenarians
4. Complications of parathyroidectomy
5. Healthcare disparities in (A) Head and neck cancer and (B) Angioedema

Nira Goldstein, MD

1. Multi-Institutional Validation of the Clinical Assessment Score-15 (CAS-15) for Pediatric Sleep-Disordered Breathing
2. Analysis of outcomes and complications from button batteries as foreign bodies in the ear, nose or throat
3. Treatment of Laryngotracheal Stenosis
4. Impact of adenotonsillectomy on homework performance in children with obstructive sleep apnea
5. The impact of adenotonsillectomy on pediatric asthma

Matthew Hanson, MD

1. Establishing Interrater and Intrarater Reliability of a Novel Chronic Ear Grading System. Richard Kollmar, PhD

Ann Plum, MD

1. Endoscopic Injection versus repair of type 1 laryngeal clefts: A systematic review/meta-analysis
2. A historical cohort study of immediate complications of tracheostomy in children and adults. Retrospective and prospective QI study
3. An evidence based approach to sialorrhea: A systematic review/meta-analysis looking at surgical treatment of sialorrhea by addressing the submandibular gland

Abraham Shulman, MD

1. Neuroprotective Effects of the Novel Protease Inhibitor Gabadur Against Traumatic Brain Injury
2. EEG based brain function imaging and tinnitus
3. Cochleovestibular system and the Chiari malformation

Krishnamurthi Sundaram, MD

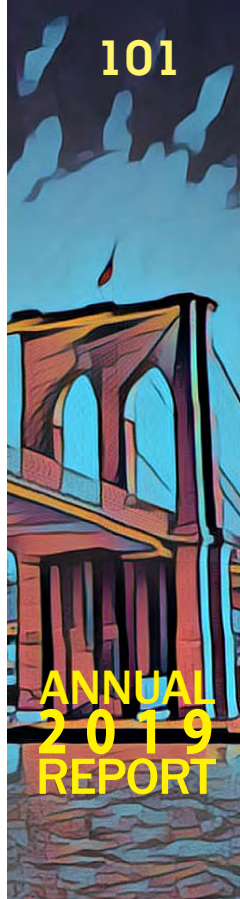
1. NIH-funded laryngeal nerve regeneration
2. NIH-funded sudden death in epilepsy (laryngospasm)

Resident Research Projects**Anthony Alessi, MD**

1. Incidence of Concussion in Facial Fracture Patients: A Prospective Study

Daniel Ballard, MD

1. Socioeconomic Disparities in Oral Cavity Cancer Treatment and Survival
2. Women in Otopathology: A Review of Women Who Have Contributed to the Study of the Human Temporal Bone
3. Establishing Interrater and Intrarater Reliability of a Novel Chronic Ear Grading System.
4. Robotic Versus Open Lateral Neck Dissection in Head and Neck Malignancy: A Systematic Review and Meta-Analysis
5. Quality of Life Outcomes Following Surgical Treatment of Meniere's Disease: A Systematic Review and Meta-Analysis
6. Osteomyelitis of the Odontoid Process with Associated Retropharyngeal Abscess: A Case Report
7. Endoscopic Injection versus repair of type 1 laryngeal clefts: A systematic review/meta-analysis



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George Ferzli, MD

1. Cleft lip and palate mission trip to Colombia

Sandra Ho, MD

1. Establishing Interrater and Intrarater Reliability of a Novel Chronic Ear Grading System.

Rachel Irizarry, MD

1. Lifesaving Impact of tracheal implants in audiogenic seizure prone mice.
2. Basic science research investigating obstructive apnea secondary to laryngospasm as etiology of sudden unexpected death in epilepsy (SUDEP)
3. Developed novel microsurgical technique for survival tracheostomy in juvenile mice to investigate impact of tracheal implants on survival in audiogenic seizure prone mice

Prayag Patel

1. On-going project: Historical cohort study of immediate tracheostomy outcomes in adults and children.

Sam Schild, MD

1. Systematic Review on Type 1 Laryngeal Cleft
2. Systematic Review on Surgical Management of Pediatric Sialorrhea
3. Case Reports: Spontaneous floor of mouth hematoma due to acquired hemophilia, Pediatric Intranasal Lobular Capillary Hemangioma, Spontaneous hemorrhage in advanced head and neck cancer

Daniel Sukato, MD

1. Survival Tracheostomy in Juvenile Mice
2. Seizures Induce Obstructive Apnea in DBA/2 Seizure-Prone Mice: Lifesaving Impact of Tracheal Implants
3. Submental Artery Island Flap versus Free Flap in Head and Neck Reconstruction: A Systematic Review and Meta-Analysis

Ryan Tabtabai, MD

1. Vitamin D and morphological effects on the otolith formation of zebrafish: ongoing.

Alisa Timashpolsky, MD

1. Endoscopic Injection versus repair of type 1 laryngeal clefts: A systematic review/meta-analysis
2. Women in Otopathology: A Review of Women Who Have Contributed to the Study of the Human Temporal Bone
3. Quality of Life Outcomes Following Surgical Treatment of Meniere's Disease: A Systematic Review and Meta-Analysis
4. Osteomyelitis of the Odontoid Process with Associated Retropharyngeal Abscess: A Case Report

Michael Weber, MD

1. Brooklyn Health Disparities H&N Cancer initiative

Derek Wu, MD

1. FAMRI supported protocol: Targeting eosinophils for the treatment of sinusitis.
2. FAMRI supported protocol: The Impact of CXCL11 on Chronic Rhinosinusitis in Smokers.
3. NIH grant supported study: Transcriptome sequencing of neuronal cell lines from patients with schizophrenia.
4. Impact of Adenotonsillectomy on Homework Performance in Children with Obstructive Sleep Apnea.
5. Randomized clinical control trial comparing the effects of a steroid eluting implant versus triamcinolone-impregnated carboxymethylcellulose foam on the postoperative clinic experience in patients that underwent functional endoscopic surgery for nasal polyposis.

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