For many of us, success during residency years and subsequently in practice was based upon the time-honored three “A’s” of availability, affability, and ability. A fourth “A” – accountability – has now become increasingly important. For those of you who successfully passed the American Board of Otolaryngology certification examination since 2002, such accountability has come in the form of an ongoing formal program of certification maintenance. For our current residents and residency program, such accountability has come from the Accreditation Council for Graduate Medical Education (ACGME) in the form of a competency-based education model. This model has required us to identify specialty-specific educational objectives, to develop dependable objective methods of assessing resident attainment of these objectives, and to eventually use such outcome data to facilitate continuous resident and residency program improvement. I will take this opportunity to outline several of the changes our program has undertaken in this respect.

In July 2006 we implemented a weekly two to three-hour resident education block time every Thursday morning. The first hour of this protected education time remains a didactic CPC or Grand Rounds presentation, whereas the second hour is a more interactive study session. Two to four residents are assigned to prepare the faculty-sanctioned questions and answers. I certainly hope you find this fifth issue of Harvard Otolaryngology both enjoyable and interesting. It includes an update on ongoing activity including faculty development at Brigham and Women’s Hospital, Children’s Hospital, and the Massachusetts Eye and Ear Infirmary. In addition, Charlie Liberman, Director of the Eaton-Peabody Laboratory of Auditory Physiology, provides an update on new initiatives among the faculty and students within the laboratory. The Director of our residency program, Dr. Mike Cunningham, tells us of new educational initiatives which enhance our training program. We are very fortunate and delighted that there has been activation of two Harvard Professorships at the Infirmary: the Gudrun Larsen Eliasen and Nels Kristian Eliasen Professorship of which Saumil N. Merchant, M.D. is the first incumbent. In both cases the professorships will allow more time to be applied to the critical research mission of our department and in the latter case, this is the first time that the incumbent of a named professorship has been a Ph.D.

Finally you will meet the seven newest professors, Drs. Cheney, Corfas, Guinan, Kenna, McKenna, Merchant, and Rauch, and graduating classes of 2006, 2007 and 2008. I take this opportunity to thank you for your interest and support of the Department’s activities.
for that week’s topics. One Thursday monthly is extended an additional hour to include the Department’s morbidity and mortality conference, the residents/fellows FOCUS research conference, and either a journal club or special session focusing on one of the six general competencies of resident education. This education block has been made uniformly available to 17 of our 18 PGY-2 through PGY-5 residents. The Longwood faculty deserves particular recognition in this respect for their efforts to ensure that the four residents on the Brigham/BI-Deaconess rotation come across town to attend these sessions.

The availability of a defined resident education block time has also allowed us to integrate our funded visiting professorships into the matrix of the residency program. Our goal is to have three to four visiting professors annually contribute to our residents’ education.

We continue to emphasize rotation and specialty-specific educational objectives. Within this emphasis is a wider incorporation of so-called objective structured assessments of technical skills (OSATS) designed to document resident proficiency in common surgical procedures. OSATS currently are being used for stapedectomy in otology, tracheotomy in head and neck surgery, endoscopic sinus surgery in general ORL, and operative laryngoscopy and tracheobronchoscopy in pediatric ORL. Existent OSATS pending application include mastoidectomy in otology, septrhinoplasty and rhytidectomy in facial plastic surgery, thyroidectomy in endocrine surgery, and adenotonsillectomy in pediatric ORL.

All the residents in the PGY-2 through PGY-5 years take the American Board of Otolaryngology inservice examination as you did in the past. Several years ago we additionally instituted an annual standardized oral examination for our PGY-4 and PGY-5 residents to better prepare them for their subsequent formal board examination.

The 80-hour work week and other duty hour restrictions have certainly enhanced the personal lives of our residents, but have also necessitated a greater emphasis on independent resident study. All residents are required to complete the AAO/HNS Home Study Course, and we have recently instituted the AAO-HNS Patient of the Month Program. All our PGY-3 residents attend the AAO Basic Allergy Course, and all our PGY-4 residents attend one of the AAO Principles of Operative Treatment of Craniofacial Trauma and Reconstruction Courses.

We have recently introduced a computer-based “New Innovations” program for faculty evaluations of resident performance, resident evaluations of each other (360° concept) and resident evaluation of both rotations and faculty. Our hope is to expand this program to include accurate duty hours reporting as well.

We compile all this evaluatory information into so-called individual Resident Portfolios designed to document the progressive transition of our residents from “novices” to “attending equivalents” by the completion of their five years of otolaryngology training. These portfolios include their curriculum vitae, resident performance evaluations, structured examination results, morbidity and mortality case presentations, national and regional meeting presentations, publications, FOCUS projects, and operative case experiences.

I would be remiss not to recognize the many members of our faculty who take additional time out of their busy lives to participate on those committees that are of utmost importance to our
WHAT’S NEW AT MEEI

By Joseph B. Nadol, Jr., MD

Highlights of Patient Care, Clinical and Translational Research

Division of General Otolaryngology. Dr. Eric Holbrook offered an instructional course at the American Academy of Otolaryngology Head and Neck Surgery meeting in the area of olfaction. This was selected for on-line recording, an honor afforded only to a few instructional courses. Dr. Nicolas Bu-Saba has recently been elected to fellowship in the Triological Society. Drs. Bu-Saba and Bruch co-authored two chapters in the area of obstructive sleep apnea.

Thyroid and Parathyroid Surgical Service. Dr. Greg Randolph chaired panels on thyroid and parathyroid surgery at the national meeting of the American College of Surgeons and participated as one of two surgeons speaking at the NIH Consensus Conference on fine needle aspiration held in October in Bethesda.

Division of Head and Neck Surgical Oncology. Dr. Derrick Lin serves as co-director of the MEEI/MGH Cranial Base Clinic. Dr. Jim Rocco, Director of the Head and Neck Molecular Oncology Research Laboratory is directing a Phase I trial of angiogenesis inhibitors for advanced head and neck malignancies as well as evaluating the molecular role of Bcl-2 in head and neck cancer. Dr. Daniel Deschler, Director of the Division, has recruited Kevin Emerick, M.D. who completed his otolaryngology residency here and a head and neck fellowship at the University of Michigan. His specific interest is the management of cutaneous malignancies. The third Dingman Fellow in Head and Neck/Microvascular Surgery was Jeremy Richmond, M.D.

Division of Laryngology and Voice and Speech. Under the direction of Dr. Ramon Franco, the scope of care in the Division of Laryngology has increased to include neurotologic disorders affecting the voice with the recruitment of Dr. Phillip Song, who also was awarded the Norman Knight Development Award for Otolaryngology as a promising young faculty member. Voice Disorders Update, a course sponsored by Harvard CME, was a success with expanded topics and faculty.

Division of Facial Plastic and Reconstructive Surgery. The Facial Nerve Center under the direction of Dr. Tessa Hadlock continues to grow with the addition of a physical therapist, Mara Robinson. One of Dr. Hadlock’s recent publications was selected as one of the outstanding facial nerve papers presented at the 2008 American Society for the Peripheral Nerve.

Drs. Cheney and Hadlock, Paulette Chesley, RN, Laura Rykard, and Missy Allen as well as residents from the Department participated in Medical Missions for Children, providing reconstructive care for microtia and cleft lip and palate for patients who otherwise would go untreated in South America.

Dr. Richard Gliklich serves as the senior editor for a major publication for the Agency for Health Care Research and Quality entitled “Registries for Evaluating Patient Outcomes: A User’s Guide.”

Dr. Jessica Fewkes is spearheading the development of a contemporary laser center in the areas...
of otolaryngology, dermatology and facial plastic surgery in conjunction with other divisions of the Department.

**Division of Pediatric Otolaryngology.** Its newest recruit, Dr. Don Keamy is working with the Nurse’s Health Study analyzing hearing loss data for the first time. Dr. Michael Cunningham continues his excellent job as Director of the Harvard Otolaryngology Residency program. He also serves as President of the American Society of Pediatric Otolaryngology. This year he became a member of the International Society for the Study of Vascular Anomalies. Dr. Leila Mankarious’ research efforts in the growth and development of the cricoid cartilage has potential clinical application in correction of airway narrowing.

Dr. Eavey’s work with Dr. Jon Seidman of the Department of Genetics at the Harvard Medical School resulted in a publication in the New England Journal of Medicine in 2007 identifying a gene defect in Bjørnstad syndrome. Dr. Eavey was a featured speaker at the World Health Organization First International Symposium on Hearing Loss and Hearing Preservation which was conducted in Beijing.

**Otology, Neurotology, Audiology, Cochlear Implant Research Laboratory, and Vestibular Laboratory.** Dr. Merchant has been selected as the Study Chair of an NIH-sponsored Temporal Bone Consortium. Dr. Steven Rauch is a Principal Investigator and Study Chair of a multi-institutional NIH-sponsored study of the management of sudden sensorineural hearing loss. Dr. Joseph Nadol continues his work in the area of pathology of the inner ear, particularly the histologic correlates of cochlear implantation. In conjunction with other members of the Department, he is working on a revised third edition of Schuknecht’s classic text, *Pathology of the Ear*. Dr. Michael McKenna, in conjunction with Drs. Sharon Kujawa and Bill Sewell and the Draper Laboratory, is helping to develop a drug delivery system for the inner ear. Dr. Jennifer Smullen has a special interest in bilateral cochlear implantation. Our newest recruit, Dr. Ron de Venecia has a special interest in both clinical and translational research in the area of auditory brainstem implants for deaf patients who cannot benefit from conventional cochlear implants.

The Cochlear Implant Research Laboratory, under the direction of Dr. Don Eddington, is working on methods to improve the spatial selectivity of cochlear implant systems.

The Jenks Vestibular Diagnostic Laboratory was featured in an ABC news primetime program concerning the *mal de debarquement* syndrome. Drs. Conrad Wall, Dan Merfeld and others work on the wearable vestibular prosthesis, a device developed conjointly by MEEI and Draper Laboratory.

Under the direction of Dr. Sharon Kujawa, the Department of Audiology continues to provide a high level of diagnostic and rehabilitative care to patients, both children and adults. A number of collaborative research efforts with clinical relevance are underway, including an attempt to develop new methods for noninvasive characterization of the middle ear status in newborns in conjunction with Dr. Susan Voss of Smith College; efforts to refine DPOAE measures in newborn hearing screening, development of new clinical tests of vestibular function, and the genetics of susceptibility to noise induced hearing loss.

**Suburban Centers of Otolaryngology.** The North Suburban Center for Otolaryngology in Stoneham, under the direction of Dr. David Nash, West Suburban Center for Otolaryngology at the Newton Wellesley Hospital under the direction of Dr. Mark Rounds, and the South Suburban Center for Otolaryngology in Quincy, under the direction of Dr. Paul Konowitz, continue to make significant contributions to the clinical life and outreach capabilities of the Department. These physicians are also heavily involved in teaching of our residents in otolaryngology.

**Basic Research**

In the past two years, two new researchers have been recruited to the Eaton-Peabody Laboratory, raising the total number of principal investigators to 21. Each brings an important new area of expertise to the group. We are grateful for the philanthropic support that has allowed us to renovate new, state-of-the-art laboratory space for each of them:

Ruth Ann Eatock, PhD (September 2006) came from Baylor College of Medicine, where she was a Professor of
WHAT’S NEW AT CHILDREN’S

The Department of Otolaryngology & Communication Disorders at Children’s Hospital Boston was founded in the 1930s by Drs. Charles Ferguson and Carlyle Flake, pioneers in Pediatric Otolaryngology. Since that time, the Department has continued its excellent care of children with otolaryngologic problems. The Department has recently changed its name to the Department of Otolaryngology and Communication Enhancement to more clearly reflect contemporary ways of viewing and treating difficulties associated with human communication.

Dr. Gerald Healy continues in his position of Otolaryngologist-in-Chief. He began his one-year term as President of the American College of Surgeons in October, 2007; he is the first Otolaryngologist ever to hold this position. Dr. Healy was invited to give the 2007 Presidential Address to the American Society of Pediatric Otolaryngology by President Michael Cunningham.

Dr. Trevor McGill serves as Associate Chief of the Department and Professor of Otology and Laryngology at the Harvard Medical School.

Laboratory for Cellular and Molecular Hearing Research. Dr. Gabriel Corfas has been appointed Director of the ORL Research Laboratory after Dr. Douglas Cotanche made the decision to step down as Director. Dr. Corfas is an outstanding neuroscientist who will solidify our relationship with the neuroscience community at Children’s. The physical laboratory will move to the newest research building in the Longwood Medical Area together with the rest of the neuroscience research laboratories of Children’s Hospital. Within this new space we will recruit two new faculty, who, together with Dr. Corfas, will investigate the mechanisms that control the development and function of the auditory system as well as the causes of deafness.

Clinical Research. Dr. Mark Volk is recruiting patients ages 12-21 with adenotonsilar hypertrophy for the study of the use of a new laser in tonsillectomy. Dr. Alan Cheng, one of the pediatric otolaryngology fellows in conjunction with Drs. Jones and Kenna, is presenting at the annual AAO-HNS meeting the results of a pilot study looking at hearing loss in patients with cystic fibrosis. Dr. Greg Licameli just had a paper accepted in Archives of Otolaryngology looking at the efficacy of tonsillectomy in the management of PFAPA syndrome (periodic fever, aphthous stomatitis, pharyngitis and cervical adenitis). Dr. Ohlms is working on a study of hearing loss in children with Down syndrome. Dr. Poe is involved in ongoing studies of eustachian tube dysfunction, and Dr. Gopen in hearing loss in patients with rheumatoid arthritis. Dr. Nuss continues on with research in pediatric voice. Dr. Rahbar is involved in the fetal care team and maxillo-facial clinic and participates in research in both areas. Other ongoing studies include VEMPs performed by Guang Wei Zhou in patients with EVA or other forms of hearing loss, other vestibular studies in normal and hearing impaired children, and the development of an objective instrument to assess potential outcomes in cochlear implant candidates.

Communication Disorders. This communications section of the Department continues in its new center at Children’s Hospital, Waltham.
Howard Shane, PhD serves as the Director of Communication Disorders for the Department and oversees six specific programs which include:

- Speech and Language Pathology
- Communication Enhancement Center
- Diagnostic Audiology
- Habilitative Audiology
- Boston Center for Deaf and Hard of Hearing
- Autism Language Program

**Education.** The Department’s training program serves to educate students, residents, and fellows and is overseen by 16 full-time attending staff. More than 7000 surgical procedures were performed by members of the Department. This provides an immense educational experience for our trainees.

**Pediatric ORL Hospitalist Program.** The Department also supports an advanced program in Pediatric Otolaryngology which was begun in 1978. This program has grown into one of the most respected programs in the world with 80% of graduates going on to academic practice.

**Faculty News.** Trevor McGill, MD was the Guest of Honor at the 2006 meeting of the European Society of Pediatric Otorhinolaryngology held in Paris, France. Dr. McGill was recently appointed as Director of the Fellowship Program in Pediatric Otolaryngology at Children’s Hospital Boston.

Kenneth R. Whittemore, Jr., MD joined the staff at Children’s Hospital in July 2007. He completed his fellowship in pediatric otolaryngology at Children’s Hospital in 2003. He was in practice at the University of Rochester School of Medicine and Dentistry over the last four years.

Mark Volk, MD, DMD has recently collaborated with the Department of Anesthesia and the Division of Critical Care Medicine at Children’s Hospital Boston to develop a medical simulation program for pediatric otolaryngology.

David Roberson, MD continues to devote a significant portion of his effort to his role as Director of Implementation for the Children’s Hospital Boston Program for Patient Safety and Quality. He was on the organizing committee for the AAO-HNS special 2006 conference, “Translating Research into Cross-Specialty Measures,” and was an invited speaker at this conference. He was invited to serve as the surgical representative on the American Society of Anesthesiologists Task Force on Fire Prevention in the OR, a multi-disciplinary group which has just completed writing a practice advisory for anesthesiologists on the prevention of fire in the OR. He was appointed to serve as the Children’s Hospital Boston representative on a HMS-wide surgical panel to draw up recommendations for improved communication to reduce adverse events in surgery. He was appointed by the Children’s Hospital Boston CEO to serve on a HMS-wide working group, led by Lucian Leape, which created a consensus statement about how hospitals and physicians should respond to adverse events.

Howard Shane, PhD recently received the Honors of the Association, the highest award offered by the American Speech Language and Hearing Association.

Roger Nuss, MD is the Clinical Director of the Voice and Velopharyngeal Dysfunction Clinic, which is now based at Children’s Hospital Boston in Waltham.

Manali Amin, MD is currently enrolling subjects in a study examining the effects of gastroesophageal acid suppression with a proton-pump inhibitor on post-tonsillectomy pain.

**Space - Expansion.** Our new Center for Communication Enhancement is located in Waltham. This area now houses the majority of our programs related to the diagnosis and treatment of disorders of human communication...”
WHAT’S NEW AT
BRIGHAM & WOMEN’S

By Jo Shapiro, MD

The Division of Otolaryngology at Brigham and Women’s Hospital (BWH) has been working in close collaboration with the leadership of BWH to improve the quality and safety of patient care at our hospital as well as the level of professionalism across the institution. Our division was the first surgery division to adopt the Partners Computer Order Entry system as well as full use of the electronic medical record.

We continue to be a major teaching site for the Harvard medical students, and we work with the Department of Surgery Education Office to provide a valuable teaching experience for the surgery interns. Our faculty provides one to one preceptorship for various trainees including primary care medicine residents, allergy/immunology fellows, oral medicine residents, and medical students.

This year we recruited two new faculty members, Drs. Keith Saxon and Quinton Gopen, each of whom has already contributed significantly to our division.

Dr. Keith Saxon specializes in voice, swallowing and airway problems. He has a strong commitment to educational leadership and has taken over as the BWH Site Director for the Harvard Residency in Otolaryngology-Head and Neck Surgery. He came to Harvard from his position at the NIH, National Institute of Neurological Disorders, Laryngeal and Speech Section. He was also Chief of Laryngology at Walter Reed Army Medical Center. Dr. Saxon was Adjunct Professor of Performing Arts Medicine at the University of Michigan School of Music. He is the author of the book Vocal Exercise Physiology and numerous chapters on voice, swallowing and speech.

Dr. Quinton Gopen is a joint faculty member in our BWH Division as well as the Department of Otolaryngology at Children’s Hospital where he works closely with Dr. Dennis Poe. Dr. Gopen recently completed a fellowship in Neurotology and Skull Base Surgery with Dr. Jeff Harris at UCSD. Dr. Gopen specializes exclusively in otology and skull base disorders; he already has a busy clinical practice. With regard to research, he has initiated a project to study hearing loss in rheumatoid arthritis.

Dr. Donald Annino has a highly specialized surgical practice that includes head and neck cancer surgery, reconstructive surgery and anterior skull base surgery. He works collaboratively in both clinical and research endeavors with the Dana Farber Cancer Institute (DFCI)/BWH Head and Neck Oncology Program as well as with the Department of Neurosurgery in the BWH Endoscopic Skull Base Center.

Dr. Neil Bhattacharyya maintains a busy clinical practice in rhinology, laryngology and sleep apnea. He is researching novel treatments for severe sinusitis and polyposis as well as outcomes after treatment for vocal cord paralysis. He was appointed Associate Editor for Sinonasal Disorders for the Academy journal, Otolaryngology Head and Neck Surgery, and serves on the editorial boards for The Laryngoscope and the American Journal of Rhinology. Dr. Bhattacharyya also recently served as Visiting Professor at the University of Pittsburgh and recently co-chaired the American Academy of Otolaryngology-Head and Neck Surgery.

Keith Saxon, MD

Jo Shapiro, MD

See Brigham & Women’s, page 8

“The Division... has been working in close collaboration with the leadership of BWH to improve quality and safety of patient care...”
Brigham & Women’s continued from page 7

gology’s panel that published the recent multi-
disciplinary clinical guideline: Clinical Practice
Guideline: Adult Sinusitis. His research work
with the otolaryngology residents earned two
consecutive second place awards at the Eastern
Section meetings of the Triological Society.

Dr. Laura Goguen continues her involve-
ment in otolaryngology teaching at a local and
national level. She has been a
member of the American
Academy of Otolar-
yngology, Patient of
the Month Com-
mitee, and she
completed her third computer based teaching

case. She received the Honor Award from The
American Academy of Otolaryngology-Head
and Neck Surgery in August 2006 for her long
history of involvement with Academy activities
and scientific endeavors within the specialty.

Her clinical and research endeavors remain
focused in head and neck cancer management.
During the past year, she has had several articles
published on the subject. She continues to par-
ticipate in numerous national clinical head
and neck cancer trials as a member of the multi-
disciplinary Head and Neck Oncology service at
the DFCI.

Dr. Carl Norris
is the surgical direc-
tor the DFCI/BWH
Oncology Program
where he continues
his involvement in the
clinical, research and
teaching enterprises.

Donald Annino, MD and Laura Goguen, MD

He provided many
tears of excellent
leadership as the BWH/
BIDMC Site Director for the Harvard Residency
in Otolaryngology, a position which he has
helped transition to Dr Saxon’s leadership.

Dr. Jo Shapiro, Division Chief, continues
her leadership and teaching at a local and na-
tional level in various aspects of medicine including:
oroaryngeal dysphagia, teaching and assess-
ing teamwork communication skills; improving
patient safety by using systems-based practice
approaches, feedback and evaluation; and dis-
losure and apology. She has several educational
roles including: Senior Associate Director of
Graduate Medical Education for Partners (MGH
and BWH), Council Member and Chair of the
Faculty Development Committee for the Society
of University Otolaryngologists, and Director
of the Otolaryngology Clerkship for Harvard
Medical Students. She is one of the leaders of
the professionalism initiative at BWH; under
the direction of Dr. Andy Whittemore, she and
a team of trainers lead interactive sessions in
professionalism for all of the more than 3000
BWH physicians.

Our division is graced by a team of commit-
ted, highly professional people who all provide
care. Pam Lynn Harvey, MS,
CCC-SLP leads the Voice Pathology service;
Sara Springer, MS, CCP leads our Audiology
service that includes providing hearing screening
to all the newborns at BWH; and Adele
Gagne, CCC-SLP, leads the team of Speech/
Swallowing that provides Speech and Swallow-
ing evaluation and treatment for the entire inpa-
tient and outpatient population at BWH and
DFCI.

Robyn Gabriel, who began working with us
last year, is our talented Division Administrator
who leads our entire staff and who interfaces
with the administrators at BWH and particularly
in the Department of Surgery.

At a recent Division function at my home,
I was reflecting on what a dedicated team we
have, and how wonderful it is to know peoples’
families and friends over the years. It is a privi-
lege to work with this group.

“...a team of committed,
highly professional people who all
provide excellent patient care.”

Request for Alumni Notes and News

Help us make it better! I hope that you have
enjoyed this newsletter, I hope that you will
provide feedback and information on your latest
accomplishments, both personal and profession-
al. Send your news to: Ms. Barbara Beckman-
Beard, Administrator of ENT Education, Mas-
achusetts Eye and Ear Infirmary, 243 Charles
Street, Boston, MA 02114, (617) 573-3654 (ph),
(617) 573-3939 (fax), email: Barbara_Beckman-
Beard@meei.harvard.edu.
The Harvard Medical School has a web page (http://www.med.harvard.edu/). By clicking on “Teaching Hospitals and Affiliated Institutions” one will access the Harvard Medical Center (HMC) Net. There one may use cyberspace to learn more about the doings at BI-Deaconess, Children’s, Brigham & Women’s, and MEEI, as well as the other clinical affiliates of the Harvard Medical School.

ALUMNI and FACULTY NEWS

PROMOTIONS

Professor
Mack L. Cheney, MD – 4/06
Michael J. McKenna, MD – 10/06
Saumil N. Merchant, MD – 06/07
M. Charles Liberman, PhD – Schuknecht Professorship 9/07
Margaret A. Kenna, MD – 03/08
Steven D. Rauch, MD – 03/08
Gabriel Corfas, PhD – 04/08
John J. Guinan, Jr., PhD – 04/08

Associate Professor
Gregory W. Randolph, MD – 1/06
Ruth Ann Eatock, PhD – 7/06
Richard K. Lewis, MD – 07/06
Christopher J. Hartnick, MD – 10/06
Reza Rahbar, DMD, MD – 04/07
Albert Edge, PhD – 10/07

Assistant Professor
James W. Rocco, MD, PhD – 1/05
Laura A. Goguen, MD – 9/05
Eric H. Holbrook, MD – 1/06
Derrick T. Lin, MD – 1/06
Keith G. Saxon, MD – 9/06

Instructor
Kenneth E. Hancock, PhD – 6/05
Manali Amin, MD – 7/05
Adrian J. Priesol, MD – 3/06
Ronald K. de Venecia, MD, PhD – 7/06
Quinton S. Gopen, MD – 7/06
Phillip C. Song, MD – 8/06
Ellen M. O’Neil, ScD – 1/07
Alex Grilli, MD – 5/07
Kenneth R. Whittemore, Jr., MD – 7/07
Kevin S. Emerick, MD – 7/07
Allan J. Goldstein, MD – 1/08
Frank P. Fechner, MD – 4/08
Daryl G. Colden, MD – 4/08
Thomas H. Costello, MD – 4/08
David J. Lesnik, MD – 7/08

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The Harvard Medical School has a web page (http://www.med.harvard.edu/). By clicking on “Teaching Hospitals and Affiliated Institutions” one will access the Harvard Medical Center (HMC) Net. There one may use cyberspace to learn more about the doings at BI-Deaconess, Children’s, Brigham & Women’s, and MEEI, as well as the other clinical affiliates of the Harvard Medical School.
MEET THE NEW PROFESSORS

Mack L. Cheney, M.D.

Dr. Cheney serves as Director of the Division of Facial Plastic and Reconstructive Surgery at the Massachusetts Eye and Ear Infirmary. He received his residency training at Tulane and a clinical fellowship under the mentorship of Dr. William Montgomery at the Massachusetts Eye and Ear Infirmary. Dr. Cheney is a consummate clinician/teacher. His magnum opus, “Facial Surgery: Plastic and Reconstructive” is a classic in our field.

Dr. Cheney has revolutionized the care of patients who have undergone ablative head and neck procedures using free flap reconstructive techniques. His abiding interest in facial nerve disorders and reanimation has generated development of the Facial Nerve Disorder Center at the Infirmary.

Michael J. McKenna, M.D.

Dr. McKenna joined the Department first as a Resident in Otolaryngology at the Massachusetts Eye and Ear Infirmary/Harvard program in 1984. After serving a clinical fellowship in neurotology at the Otologic Medical Group in Los Angeles, he joined the faculty at the Infirmary in 1989. He serves as the Director of a well respected ACGME approved fellowship in Neurotology.

Dr. McKenna is a true triple threat, not only an expert clinician/teacher but also an accomplished investigator. His research work has significantly added to the understanding of the pathogenesis of otosclerosis including the role of measles virus and genetic defects. He is internationally known for his clinical work in lateral skull base surgery.

Saumil N. Merchant, M.D.

Dr. Merchant joined the Department first as a Research Fellow in Otolaryngology in 1986 at the Infirmary and then as a Resident in 1988-1992. Dr. Merchant was appointed as the Gudrun Larsen Elia-sen and Nels Kristian Elia-sen Professor of Otology and Laryngology in 2005. He limits his practice to Otology and has a special interest in the mechanics of the middle ear. He does this work in close collaboration with Professor John Rosowski. Together they co-direct the Wallace Middle Ear Research Unit.

Dr. Merchant also serves as Director of the Otopathology Laboratory at the Infirmary and is the co-principal investigator of the NIDCD National Temporal Bone Hearing and Balance Pathology Resource Registry. More recently he serves as the principal investigator and study chair for the Human Temporal Bone Consortium for Research Resource Enhancement of the NIDCD.

Gabriel Corfas, Ph.D.

Dr. Corfas holds a joint appointment as a Professor in the Departments of Neurology and Otology and Laryngology and he directs a research program at Children’s jointly with the Division of Neuroscience and the Department of Otolaryngology at Children’s Hospital. Dr. Corfas has an international reputation in research studying the interactions between neurons and their glia, particularly the role of neuregulin. His work has demonstrated a very important role for supporting cells in spiral ganglion neuronal survival. In addition to his fundamental research, he has been an active teacher, particularly in the neurosciences.

Steven D. Rauch, M.D.

Dr. Rauch completed his residency training in otolaryngology at the Harvard Medical School/MEEI program in 1984 and has served as a member of the full-time faculty ever since. Dr. Rauch limits his clinical practice to otology with a special emphasis on balance disorders. He has an international reputation as a physician/scientist. He has pioneered the use of vestibular evoked myogenic potentials (VEMP) in the diagnosis of Meniere’s syndrome. His research work has always been clinically driven including his current NIH-sponsored multi-institutional trial of intratympanic versus oral steroids for the treatment of idiopathic, sudden sensorineural hearing loss. Dr. Rauch has always been a willing and effective member of our teaching faculty and is a leader in the development of teaching venues for patient education.

Margaret A. Kenna, M.D.

Dr. Kenna joined the Department at Children’s Hospital in 1995. Her background includes a clinical fellowship in pediatric otolaryngology at Children’s Hospital in Pittsburgh and an academic appointment at the University of Pittsburgh and at Yale. Dr. Kenna is Director of the Clinical Hearing Loss Program
of the Department of Otolaryngology and Communication Disorders at Children’s Hospital. This service provides a national resource for evaluation, genetic testing, and counseling for children with sensorineural hearing loss and also as a conduit for clinical research in the Department. Under her direction, the Cochlear Implant Program at Children’s Hospital was started in 1995. She is known internationally as an expert in the evaluation and management of children with profound sensorineural hearing loss. She has served as President of the American Society of Pediatric Otolaryngology. She has been the recipient of funding from NIDCD on the genetics of hearing loss, particularly due to the connexin 26 mutation.

John J. Guinan, Jr., Ph.D.
Dr. Guinan received his Ph.D. in Communications and Biophysics at the Massachusetts Institute of Technology in 1968 then joined the Department of Electrical Engineering and Computer Sciences at MIT. He has been an active member of the Eaton-Peabody Laboratory. He was first appointed as an Associate Professor in our Department in 1993. Dr. Guinan is recognized internationally for his research concerning brainstem reflexes in the peripheral auditory system including the acoustic stapedial reflex, the role of the medial olivocochlear efferents, and otoacoustic emissions. In addition to his research activities, Dr. Guinan has been a willing and effective contributor to our teaching program, particularly the Harvard/MIT Program in Speech and Hearing Biosciences and Technology. He is a recipient of the Irving M. London Teaching Award from the Division of Health Sciences and Technology at Harvard/MIT.

John J. Guinan, Jr., Ph.D.

Meet the New Professors

Residents
Kevin S. Emerick, MD
2007 – Full-time staff, MEEI; 2006-07 – Fellowship, Head & Neck Reconstructive Surgery, Univ of Michigan, MI

David A. Lewis, MD

Ritvik P. Mehta, MD
2007 – Neurotology Fellowship, Univ of California San Diego; 2006-07 – Clinical Fellow, Facial Plastic & Reconstructive Surgery/Facial Nerve Disorders, MEEI

Konstantina M. Stankovic, MD, PhD
2008 – Full-time staff, MEEI; 2006-08 – Clinical Fellow, Neurotology, MEEI

Clinical Fellows
Mark E. Boseley, MD
2007 – Madigan Army Medical Center, Tacoma and Seattle Children’s Hospital, WA; 2006-07 – Clinical Fellow, Pediatric Otolaryngology, MEEI

Ronald K. de Venecia, MD, PhD
2006 – Full-time staff, MEEI; 2004-06 – Clinical Fellow, Neurotology, MEEI

David A. Parry, MD
2006 – Otolaryngology Faculty, Univ of Arizona, AZ; 2005-06 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston
### Residents

<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Institution</th>
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</thead>
<tbody>
<tr>
<td>Aaron C. Lin, MD</td>
<td>2008 – ENT Staff, Children’s Hospital Los Angeles, CA; Assistant Professor, Univ of Southern California; 2007-08 – Fellowship, Pediatric Otolaryngology, Stanford Univ, CA</td>
</tr>
<tr>
<td>Matthew T. Lister, MD</td>
<td>2007 – Private Practice, Milwaukee, WI</td>
</tr>
<tr>
<td>Michael G. Moore, MD</td>
<td>2008 – Assistant Professor, Head &amp; Neck Oncology &amp; Reconstructive Surgery, Indiana Univ, IN; 2007-08 – Head &amp; Neck Fellowship, Univ of Washington, Seattle, WA</td>
</tr>
</tbody>
</table>

### Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Institution</th>
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</thead>
<tbody>
<tr>
<td>Jennifer J. Shin, MD</td>
<td>2008 – Clinical Fellow, Pediatric Otolaryngology, MEEI; 2007-08 – Research Fellow, Pediatric Otolaryngology, MEEI and MPH at Harvard School of Public Health</td>
</tr>
<tr>
<td>Steven D. Pletcher, MD</td>
<td>2006 – Assistant Professor, Dept of Otolaryngology, Univ of California San Francisco; 2005-06 – Clinical Fellow, Rhinology, MEEI</td>
</tr>
<tr>
<td>Lisa M. Reid, MD</td>
<td>2006 – Staff, Dept of General Surgery, Cooper Hospital and Univ of Medicine &amp; Dentistry of New Jersey, NJ; 2005-06 – Clinical Fellow, Thyroid &amp; Parathyroid Surgery, MEEI</td>
</tr>
<tr>
<td>Vicente A. Resto, MD, PhD</td>
<td>2006 – Assistant Professor, Biochemistry &amp; Molecular Biology, Univ of Texas Medical Branch, Galveston, TX; 2005-06 – Clinical Fellow, Head &amp; Neck Oncology, Skull Base &amp; Microvascular Reconstructive Surgery, MEEI</td>
</tr>
<tr>
<td>Kimsey H. Rodriguez, MD</td>
<td>2006 – Assistant Professor, Dept of Otolaryngology, Tulane, LA; 2005-06 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston</td>
</tr>
<tr>
<td>Rahul A. Shah, MD</td>
<td>2006 – Academic Pediatric Otolaryngology Practice, Children’s National Medical Center, Washington, DC; 2005-06 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston</td>
</tr>
<tr>
<td>Jennifer Andrus, MD</td>
<td>2007 – Staff, ENT Associates of Savannah, GA; 2006-07 – Clinical Fellow, Laryngology, MEEI</td>
</tr>
<tr>
<td>Alan Cheng, MD</td>
<td>2007 – ENT Staff, Stanford Univ, CA; 2006-07 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston</td>
</tr>
<tr>
<td>Ritvik P. Mehta, MD</td>
<td>2007 – Neurotology Fellowship, Univ of California San Diego, CA; 2006-07 – Clinical Fellow, Facial Plastic &amp; Reconstructive Surgery/Facial Nerve Disorders, MEEI</td>
</tr>
<tr>
<td>Douglas Reh, MD</td>
<td>2007 – Junior Faculty, Rhinology, Johns Hopkins Univ, MD; 2006-07 – Clinical Fellow, Rhinology, MEEI</td>
</tr>
<tr>
<td>Jose Sanclement, MD</td>
<td>2007 – Faculty, Dept of Otolaryngology, Oklahoma Univ, OK; 2006-07 – Fellowship, Head &amp; Neck Oncology, Skull Base &amp; Microvascular Reconstructive Surgery, MEEI</td>
</tr>
<tr>
<td>Enoch Sanders, MD</td>
<td>2007 – Staff, Virginia Surgery Associates, Fairfax, VA; 2006-07 – Clinical Fellow, Thyroid &amp; Parathyroid Surgery, MEEI</td>
</tr>
<tr>
<td>J. Andrew Sipp, MD</td>
<td>2007 – Faculty, Pediatric ENT, Atlanta, GA; 2006-07 – Clinical Fellow, Pediatric Otolaryngology, MEEI</td>
</tr>
</tbody>
</table>
Mark Vecchiotti, MD
2007 – Private Practice, Univ Otolaryngology-Head & Neck Surgery, Providence, RI and Hasbro Children’s Hospital; 2006-07 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston

D. Macy Vidrine, M.D
2007 – Private Practice, Columbia, SC; 2006-07 – Clinical Fellow, Pediatric Otolaryngology, Children’s Hospital, Boston

Judy Chen, MD
Currently, Assistant Professor, Northwestern Univ, Evanston, IL; 2007-08 – Clinical Fellow, Children’s Hospital, Boston

Anthony C. DelaCruz, MD
Currently, Staff, Kaiser Permanente, CA; 2007-08 – Clinical Fellow, Otolaryngology, MEEI

David Lesnik, MD
Currently, Full-time Staff, North Suburban Center, Stoneham, MA; 2007-08 – Clinical Fellow, Thyroid & Parathyroid Surgery, MEEI

Michael Platt, MD
Currently, Faculty, ENT Department, Boston Univ Medical Ctr, MA and Research Fellow, MEEI; 2007-08 – Clinical Fellow, Rhinology, MEEI

Jeremy Richmon, MD
Currently, Faculty, Johns Hopkins Univ, MD; 2007-08 – Clinical Fellow, Head & Neck Oncology/Skull Base Surgery, MEEI

Margaret L. Skinner, MD
Currently, Staff, Johns Hopkins Univ, MD; 2007-08 – Clinical Fellow, Children’s Hospital, Boston

Konstantina M. Stankovic, MD, PhD
Currently, Full-time Staff, MEEI; 2006-08 – Clinical Fellow, Neurotology, MEEI

Erik Waldman, MD
Currently, Staff, Columbia Univ, NY; 2007-08 – Clinical Fellow, Children’s Hospital, Boston

Jared Wasserman, MD
Currently, Private Practice, NJ; 2007-08 – Clinical Fellow, Laryngology, MEEI

Research Fellows
Daniel Abreu, MD
2007 – Private Practice, General Otolaryngology, Curvelo, Brazil

Fayez Bahmad, MD
2007 – Otology Staff, Brasilia Univ Hospital, Brazil

Renato Cal, MD
2007 – Assistant Professor, Univ Hospital of Bettina Souza (UFPA), Belem, Brazil

Peter Li, MD
2007 – Resident in Otolaryngology, Stanford Univ, CA

Yamileth Nicolau, MD
2007 – Resident in Otolaryngology, Univ of California San Diego, CA

Thomas Tamura, MD
2007 – Resident in Otolaryngology, Univ of Vermont, Burlington, VT

Residents
Carol M. Lewis, MD, MPH
Currently, Fellowship, Head & Neck Surgery, MD Anderson Cancer Center, Houston, TX

Anthony C. Nichols, MD
Currently, Clinical Fellow, Head & Neck & Microvascular Surgery, MEEI

W. Matthew White, MD
Currently, Fellowship, Facial Plastic & Reconstructive Surgery, New York Univ, NY
CAMPAIGN FOR THE HAROLD F. SCHUKNECHT PROFESSORSHIP

The campaign to fund a professorship in the Department in honor of the late Harold F. Schuknecht was begun in September 2003. Hal Schuknecht served as Chief of Otolaryngology and Chairman of the Department between 1961 and 1984. His many contributions include a number of surgical innovations, particularly in stapes surgery, and insisting upon a scientific basis of otologic diagnosis and treatment including temporal bone histopathology. The Harold F. Schuknecht Professorship of Otology and Laryngology is endowed at the Harvard Medical School and is permanently based at the Infirmary and will support a clinician or scientist in the area of otology. We are grateful to the following friends and alumni who to date generously supported the HFS Professorship. If you would like to join them in paying tribute to Dr. Schuknecht by making a gift, you may contact Melissa Paul in the Development Office at (617) 573-4168.

BENEFACTORS

SCHUKNECHT LEADERSHIP
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Michael M. Paparella, M.D.
Mrs. Frederic N. Schwartz

BENEFACTOR: $10,000-$24,999
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PATRON: $5,000-$9,999
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JAMES J. PAPPAS, M.D.
JAY T. RUBINSTEIN, M.D.
RALPH R.F. RUBY, M.D.
HARUO SAITO, M.D.
ISAMU SNADO, M.D., D.M.Sc.
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ROBERT L. WITT, M.D.
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SUPPORTER: $25-$199
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CLAES H. DOHLMAN, M.D.
WILLIAM S. FISHER, III, M.D.
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JOHN A. KIRCHNER, M.D.
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PROFESSOR MICHEL PORTMANN
LEONARD R. PROCTOR, M.D.
DR. & MRS. GREGORY W. RANDOLPH
MR. NORMAN SAMEL
ROBERT A. SOFFERMAN, M.D.
JOSEPH H. TRAXLER, M.D.
On April 14, 2008, the Harold F. Schuknecht Professorship was activated in the Department of Otology and Laryngology at Harvard Medical School and M. Charles Liberman, Ph.D., Director of the Eaton-Peabody Laboratory, was named as its first incumbent. Special guests included Anne Schuknecht, Robert Kimura, and Jeffrey Flier, Dean of the Medical School.

As his friends and colleagues knew well, one of Hal Schuknecht’s principal scholarly contributions was the insistence on a scientific basis for otologic practice. The selection of Charles Liberman, as the Director of the Eaton-Peabody Laboratory and who has played such a pivotal role in the scholarly activities of the Department, will be important to the Department in many ways and in particular to cement the already strong synergies between clinical practice of otology and basic and translational research in otologic disease at the Infirmary.

On November 16, 2007, the Department celebrated the much deserved promotion of Saumil N. Merchant, MD to the rank of professor as the first Gudrun Larsen Eliassen and Nels Kristian Eliassen Professor of Otology and Laryngology at the Harvard Medical School and the Massachusetts Eye and Ear Infirmary and to recognize his many contributions to our specialty, our Department, and the Infirmary. The professorship was established by Axel Eliassen in honor of his parents.

This promotion is richly deserved. Since his arrival in 1986, Saumil has shown himself to be outstanding in every way, as a physician, an investigator, and as a teacher. He serves as a superb role model for other members of the faculty, fellows, and residents, and has clearly earned international recognition for his outstanding work. Our sincere congratulations and thanks to Saumil for all that he has done for our specialty, the Department, and our hospital.
Otolaryngology. Dr. Eatock is a biophysicist by training. She is an expert on the ion channels normally found in the hair cells of the inner ear, and the ways in which these channels shape the hair cells’ electrical responses to sound stimuli. She is well known for her pioneering investigations of the adaptation process in mechano-electric transduction, whereby the hair cells’ stereocilia bundles reset their mechanical sensitivity in the face of sustained mechanical deflection. Currently, she is studying the specializations in ion channels that allow hair cells in the vestibular organs to respond to lower frequencies than those in the cochlea.

Zheng-Yi Chen, PhD (January 2008) is a molecular geneticist who is currently an Assistant Professor of Neurology at Harvard Medical School. Dr. Chen is well known for his recent discovery of a key regulatory gene in the control of hair cell proliferation, for which he was named, in 2005, as one of the Scientific American 50. He has shown that deletion of this gene in mice can lead to extra hair cell production in the inner ear. His continuing work addresses the key question of whether transient manipulation of this or other genes can be used to regenerate missing hair cells in an ear with sensorineural hearing loss. He is already collaborating actively with fellow EPLer Dr. Albert Edge, a molecular biologist working on stem cell based approaches to hair cell and neuronal regeneration in the inner ear.

During the year, several investigators were particularly successful in obtaining new funding. A major philanthropic gift to the Infirmary has led to the creation of a Center for Tinnitus Research and Patient Care under the leadership of Drs. Robert Levine and Jennifer Melcher. The Eaton-Peabody core grant was renewed for a second five-year period under the direction of Dr. Charles Liberman, Director of the Eaton-Peabody Laboratory. This grant provides core hardware, software, histology, imaging and other technical expertise for more than 20 NIH-funded investigators at the Infirmary.