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in Head and Neck Surgery



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News from the Department of Head and Neck Surgery, The University of Texas M. D. Anderson Cancer Center

Mission Statement

The mission of the Department of Head and Neck Surgery is to deliver the highest possible clinical care for patients with head and neck cancer, to lead the world in head and neck oncologic research and cancer prevention, and to educate the future leaders in the field.

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Chairman's Corner

With this first edition of *Profiles*, the newsletter of the Department of Head and Neck Surgery, we are pleased to present the people and the innovative programs that help us to fulfill our mission of first-rate cancer care, research, and education. It is hoped that this newsletter will highlight the collaborative efforts of everyone here toward our ultimate goal of eradicating head and neck cancer.



Randal S. Weber, MD,
Chairman

The department witnessed a significant transition last year with the retirement of **Helmuth Goepfert, MD**, Professor Emeritus, after 23 years as department Chairman. Under Dr. Goepfert's leadership, the department ascended to international prominence and led the way in disseminating the multidisciplinary care model for the treatment of patients with head and neck cancer. Dr. Goepfert was also instrumental in developing the surgeon/scientist track at The University of Texas M. D. Anderson Cancer Center, fostering a new generation of physicians in translational science working to discover new cancer therapies. I wish Dr. Goepfert much deserved retirement and fulfillment as he pursues his web-based textbook, *The Multidisciplinary Care of Head and Neck Cancer*. We also bid farewell to **David Callender, MD, MBA**, who recently accepted the position of Executive Vice President for Health Affairs at the University of California, Los Angeles Medical Center. His skill as a head and neck surgeon and his leadership as Chief Operating Officer at M. D. Anderson

Cancer Center will be long remembered.

The department welcomes three new faculty members: **Ehab Y. Hanna, MD**, professor and director of the Head and Neck Skull Base Tumor Program, **F. Christopher Holsinger, MD**, assistant professor, and **Kelley Tomsett, DDS, MS**, instructor. Dr. Hanna will expand and further develop our multidisciplinary skull base program in partnership with Franco DeMonte, MD, of the Department of Neurosurgery. The Skull Base Tumor Program is a dramatic step forward in advanced, specialized care for patients with traditionally challenging tumors.

M. D. Anderson was again voted the number one cancer center by *U.S. News and World Report*. The Department of Head and Neck Surgery was again ranked number ten among ear, nose and throat departments in the US, a remarkable accomplishment given our singular focus on head and neck cancer. The department has experienced tremendous growth in patient activity, with an increase of 15% to date in new patient referrals from FY03 to FY04, while the Head and Neck Center will see an estimated 37,592 patient visits in FY04.

The Section of Oncologic Dentistry and Maxillofacial Prosthodontics is thriving under the capable leadership of **Jack W. Martin, DDS**, section chief, who has been at M. D. Anderson for 25 years, and **Mark S. Chambers, DMD, MS**, who was recently appointed deputy section chief. The maxillofacial prosthodontics fellowship, one of the largest in the country, is under the leadership of Dr. Martin.

Our speech, swallowing, and audiology programs are directed by **Jan S. Lewin, PhD**, a faculty member at M. D. Anderson since 1995. Dr. Lewin's group of outstanding
(continued page 7, Chairman)

Department of Head and Neck Surgery Welcomes New Staff

Skull Base Tumor Program Poised for Growth

Surgical and Dental Oncology Expand

With an eye toward expanding the already comprehensive treatment offered at M. D. Anderson for patients with tumors of the head and neck, Ehab Y. Hanna, MD, joined the Department of Head and Neck Surgery in April 2004 as a professor and director of the Skull Base Tumor Program. Dr. Hanna and program co-director Franco DeMonte, MD, a professor in the Department of Neurosurgery, treat patients with both benign and malignant tumors of the skull base.

The discipline of skull base surgery is highly complex and specialized, involving diagnosis and treatment for tumors deep within the skull and along the region that separates the brain from extracranial structures in the head and neck. Although the skull base was once considered inaccessible by surgeons, new technology and the refinement of techniques that use this technology have advanced the horizons of skull base surgery.

To illustrate, intraoperative MRI will soon provide M. D. Anderson surgeons real-time imaging to facilitate and increase the precision of minimally invasive surgery, said Dr. Hanna. And at the 85,000 square-foot proton therapy center scheduled to open in early 2006, patients will receive proton beam therapy targeted at the tumor with precision not previously available. This will help decrease the radiation dose received by healthy tissues, thereby reducing unwanted side effects. The technologic advances greatly enhance treatment for patients with these tumors.

Central to the skull base program is a multidisciplinary team of head and neck surgeons, neurosurgeons, neuro-otologists, plastic surgeons, radiation oncologists, medical oncologists,



Dr. Ehab Y. Hanna evaluates CT scans in the Head and Neck Center at M. D. Anderson.

pathologists, diagnostic radiologists, and rehabilitation specialists. Through multidisciplinary collaboration, patients benefit from diverse expertise within a single setting. At M. D. Anderson, this means collaboration among experts who are leaders in their fields.

“My primary goal is to build a program that delivers world-class, multidisciplinary care for patients with tumors of the skull base.”

Ehab Y. Hanna, MD
Director,
Skull Base Tumor Program

Dr. Hanna, who was recently named Vice Chair for Clinical Affairs, sees this department's top-rated clinical program as the driving force behind research and education, both of which are important components of the Skull Base Tumor Program.

The clinical research led by Dr. Hanna will focus on new diagnostic and therapeutic tools, as well as improve quality-of-life and functional outcomes for patients. The basic science research will evaluate the biology and genetic characteristics of

tumors, with the translational component taking this research from the laboratory to the clinic. Dr. Hanna is also leading the drive toward unique interdisciplinary and multidisciplinary training opportunities for health-care professionals in the Skull Base Tumor Program.

With continued discovery through research and education, and the multidisciplinary application of new techniques in the clinic, Dr. Hanna envisions improved outcomes for patients with tumors of the skull base. ■

Dr. Hanna earned his medical degree and his master's degree in clinical sciences (otolaryngology-head and neck surgery) from Ain Shams University School of Medicine in Cairo, Egypt. He completed a residency in otolaryngology-head and neck surgery from the Cleveland Clinic Foundation in Ohio and a fellowship in advanced cranial base and head and neck oncologic surgery from University of Pittsburgh Medical Center. He most enjoys spending time with his wife, Sylvie, and their daughters, Gabrielle Grace (GiGi) and Camille Lauren.

Before his return to the Department of Head and Neck Surgery in January 2004, F. Christopher Holsinger, MD, completed several months' study in Paris, France, under a prestigious Fulbright Scholarship Award. There, he worked with Ollivier Laccourreye, MD, at the Hôpital Européen Georges-Pompidou, University of Paris, where his research focused on the technical refinements of the supracricoid partial laryngectomy. In addition, he learned a novel surgical approach for the resection of early tonsillar cancer, the transoral lateral oropharyngectomy. Dr. Holsinger also attended the Wolfgang Steiner International Course on Laser Microsurgery, at the Georg-August-Universität, in Göttingen, Germany. He then spent two weeks studying laser laryngectomy techniques with Professor Steiner.

In the Spring of 2004, Dr. Holsinger was accepted into the Clinician Investigator Program, an NIH K-12-funded program in translational research coordinated by Robert C. Bast, Jr., MD, Vice President of Translational Research at M. D. Anderson. As part of this program, Dr. Holsinger will develop and pursue a custom-designed curriculum in patient-oriented clinical research. He will pursue advanced-degree coursework at both The University of Texas School of Public Health and the Graduate School for Biomedical Sciences, focusing on clinical trial design, biostatistics, and translational research. Distinct from the physician-scientist program in basic science, this program will provide Dr. Holsinger with unique skills as he develops his research program.

While his primary surgical interests are focused on conservation laryngeal surgery, his research focuses on new targeted molecular therapies for squamous carcinomas of the head and neck, and thyroid and salivary gland malignancies. This training in clinical research will prepare Dr. Holsinger for a unique role as a surgeon who designs, develops, and implements important clinical trials to take



Dr. F. Christopher Holsinger joined the Department of Head and Neck Surgery in January 2004, after completing studies in Paris, France, under a Fulbright Scholarship Award.

laboratory discoveries to clinical practice.

Dr. Holsinger is married to Erin Eanes Holsinger, MD, a pediatrician in practice at the Texas Children's Pediatrics Associates in Houston. The Drs. Holsinger have twin five-year-old sons, Alexander and Zachary, and recently celebrated the birth of their daughter, Ella Noël, in August. ■

Kelley L. Tomsett, DDS, MS, joined the Department of Head and Neck Surgery as an instructor in July 2003. Before joining us, she received a BS degree from Baylor University and served in the United States Army as a dental laboratory technician at Fort Sam Houston, Texas. She earned a Doctorate of Dental Surgery from Meharry Medical College School of Dentistry in 1998.

Dr. Tomsett received a specialty certificate in combined prosthodontics from the University of Texas Health Science Center (UTHSC) and completed her fellowship in maxillofacial prosthodontics at M. D. Anderson. In 2003, she successfully defended her thesis on The Effect of Nystatin Impregnated Tissue Conditioner on Candida Associated Denture Stomatitis: A Pilot Study, under the directorship of Spencer Redding, DDS, MEd, and received an MS degree in prosthodontics from the School of Biomedical Sciences at UTHSC, San Antonio.

Dr. Tomsett's clinical interests include prosthetic management and rehabilitation of patients with head and neck cancer. Her research focuses on the microbiologic effects in the oral cavity after prosthetic management, xerostomic effects in the upper aerodigestive tract, drug-delivery systems in oral oncology, and three-dimensional modeling and bioengineering in maxillofacial prosthetics. ■

Dr. Kelley Tomsett (right) discusses a 3-D mandibular rapid prototype model with Rhonda Jacob, DDS, professor in the Department of Head and Neck Surgery.



Hats Off...

Mark S. Chambers, DMD, was selected this year for the position of Chair of Oncologic Dentistry at one of the top cancer centers in the country. Though selected from an impressive list of national applicants, Dr. Chambers chose to continue at M. D. Anderson. He is an outstanding clinician and is very interested in continuing his research pertaining to the treatment and prevention of postradiation oral sequelae in patients with head and neck cancer.

Gary L. Clayman, DMD, MD, was awarded the prestigious 2004 Percy Memorial Grant by the American Academy of Otolaryngology-Head and Neck Surgery Foundation for his proposal, "Characterization of LEKT1 in Head and Neck Cancer." This highly competitive peer-reviewed award for accomplished senior investigators will allow Dr. Clayman to further his research efforts to characterize LEKT1, a novel tumor suppressor gene involved in head and neck carcinogenesis. The Certificate of Award was presented in September at the Research Awards Ceremony in New York. Congratulations to Dr. Clayman and all of his laboratory staff!

Eduardo M. Diaz, Jr., MD, was recently named Medical Director for the International Center at M. D. Anderson. In addition to providing clinical leadership and coordinating the integration of international patients at the institution, Dr. Diaz will provide management oversight for the committee of disease site liaisons for International Programs.

Ann M. Gillenwater, MD, was awarded a NIH R21 grant entitled, "Multispectral imaging for oral cancer detection." With this grant, she will continue her cutting-edge research in the early detection of oral cavity cancers.

F. Christopher Holsinger, MD, received a Clinician Investigator Award from M. D. Anderson via a National Institutes of Health K-12 grant (Principal Investigator, Robert C. Bast, Jr.). Through this competitive award designed to support career development, he will develop innovative translational clinical trials. Dr. Holsinger is the second surgeon to receive this award (the 2001 recipient was Erich M. Sturgis, MD, MPH, also from the Department of Head and Neck Surgery). Dr. Holsinger was also awarded the SPORE Career Development Award, to support two years of translational research in a laboratory receiving SPORE funds.

Rhonda F. Jacob, DDS, was selected as a board examiner for the specialty of prosthodontics, the first female to hold this nationally elected position. She will be an important element in ensuring that applicants meet all requirements necessary to obtain their boards in

prosthodontics. Dr. Jacob's background in maxillofacial prosthetics, a subspecialty of prosthodontics that focuses on the rehabilitation of patients with head and neck cancer, gives the board a member who is well rounded in all aspects of prosthodontics.

Erich M. Sturgis, MD, MPH, was recently elected as a Fellow in the American Laryngological, Rhinological, and Otolological Society. In addition to recognizing his contribution and commitment to the field of Otolaryngology-Head and Neck Surgery, The Triological Society requires submission of a thesis representing a major scholarly work as a membership requirement. Dr. Sturgis' thesis is a study exploring susceptibility to differentiated thyroid cancer and the genetic basis for such susceptibility. In May, Dr. Sturgis graduated from The University of Texas School of Public Health and was awarded a Master of Public Health degree.

Jan S. Lewin, PhD, was elected as a Fellow of the American Speech-Language-Hearing Association (ASHA) for her contributions to the field of speech pathology. This represents one of the most prestigious awards given by ASHA and recognizes lifetime achievement and excellence in the professions of speech pathology and audiology. In bestowing the award, the Association noted Dr. Lewin's clinical and research contributions to the areas of voice disorders, particularly alaryngeal voice restoration, and dysphagia, and further recognized her as an outstanding mentor. She received her award at the 2003 Annual Meeting of the American Speech-Language-Hearing Association in Chicago.

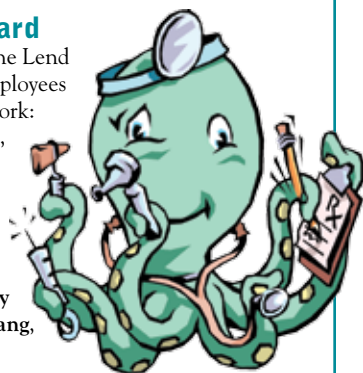
Mahitosh Mandal, PhD, was awarded an IRG (institutional research grant), as was **Ge Zhou, PhD**. Dr. Mandal was also awarded a Career Development Grant from the Head and Neck SPORE.

Jeffrey N. Myers, MD, PhD, is the recipient of the Honor Award presented by the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS). This honor was bestowed in recognition of Dr. Myers' volunteer service and participation on AAO-HNS education and research committees. Dr. Myers was also recently named Deputy Chair for Academic Affairs for the Department of Head and Neck Surgery.

Randal S. Weber, MD, Chairman of the Department of Head and Neck Surgery, was recently elected Vice President of the American Head and Neck Society and President Elect of the Society of University Otolaryngologists-Head and Neck Surgeons. He is also President Elect of the American Radium Society. During the spring, Dr. Weber was named the 2004 Outstanding Alumnus for the University of Tennessee at Chattanooga, Class of 1975.

Lend a Helping Hand Award

Congratulations to the winners of the Lend a Helping Hand Award, given to employees who have shown exceptional teamwork: **Debra Munsell**, Physician Assistant, **Janet Hampton**, Sr. Administrative Assistant, **Samar Jasser**, Laboratory Coordinator, **Mary Blake**, Administrative Assistant, **Joan Gideons**, Operations Manager, **Dao Doan**, Research Assistant II, **Beverly Lee**, Senior Secretary, and **Mary Wang**, Research Investigator.



Stick Your Neck Out Award

Winners of the Stick Your Neck Out Award, given to those in the department who go beyond the call of duty, for this fiscal year are: **Paula Holton**, Laboratory Coordinator, **Leslie Matson**, Physician Assistant, **Kim DeVaughn**, Grant Program Coordinator, **Wei-Han Kan**, Data Analyst, **Sylvia Aguirre**, Sr. Administrative Assistant, **Deanna Thomas**, Sr. Administrative Assistant, **Yolanda Luna**, Administrative Assistant, and **Sonia Perez**, Executive Assistant.



Head and Neck Health Issues

While it may not be the first site that comes to mind when you hear the term *cancer*, the head and neck region is a common site for many tumors that develop, both cancerous and noncancerous. In fact, head and neck cancers together make up the third most prevalent cancer worldwide, with 40,000 new cases each year in the United States alone. Squamous cell carcinoma is the most common type and can arise in the mouth, throat, and voice box (or larynx).

Certain risk factors are associated with cancer of the head and neck. Knowing what these risk factors are may affect how you think of them and may help you to avoid them.

Smoking. The number one risk factor associated with most head and neck cancers is tobacco smoking. For people who smoke, the risk of having cancer of the head and neck develop is about 10 times the risk for nonsmokers. Even the use of certain forms of smokeless tobacco can increase a person's risk for having mouth cancer develop.

Alcohol consumption. Alcohol works together with smoking to increase the risk of developing head and neck cancer. But even alone, alcohol consumption increases the risk. For example, heavy drinkers have a risk that is approximately five times the risk for nondrinkers.

Viruses. Another potential factor that may contribute to head and neck cancer is human papillomavirus (HPV). This sexually transmitted virus is strongly associated with abnormal cell growth and cancer of the cervix (the opening to the uterus) in women. Similarly, strong evidence has emerged that one type of HPV (HPV-16) is associated with the risk of throat (or oropharyngeal) cancer in both sexes and, in fact, may be the principal risk factor for this

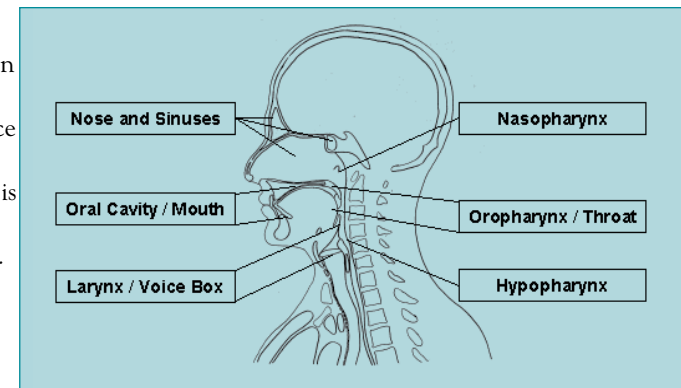
cancer in nonsmokers. As with the transmission of HPV that causes cervical cancer, evidence suggests that throat infection with HPV-16 is sexually transmitted.

Acid-reflux disease. Acid reflux—or the backup of stomach acid into the esophagus and even as far as the throat—can cause changes in the cells that line these areas. The affected cells may then develop into cancer. In this way, acid reflux may be linked to cancer of the throat and larynx. The most common symptom of gastric reflux is heartburn, but other symptoms, such as an acidic or bitter taste and a chronic cough, are also common. Changes in diet, stopping smoking or heavy alcohol use, and maintaining a healthy body weight can all help reduce such reflux. Your physician may be able to treat this and related disorders with medication.

Diet. Diets high in animal fat and low in green and leafy vegetables are also associated with the risk of head and neck cancer. Diets high in fish and whole grains may help protect against head and neck cancer.

Family history. Although no direct genetic link has been found, individuals who have a first-degree relative (that is, a parent, sibling, or child) with a history of head and neck cancer are at increased risk of having head and neck cancer develop.

Is there anything that a smoker can do to lower the risk for head and neck cancer? The answer is yes. Quitting smoking can, within five to seven years, reduce the risk of developing head and neck cancer to levels



approaching those for individuals who have never smoked. Moreover, the earlier the quitting age, the lower the long-term risk. Stopping smoking is often difficult, and smokers may need to seek the help of their physician and organizations such as the American Cancer Society and American Heart Association.

Reducing or eliminating alcohol intake will improve the benefits gained by not smoking or by quitting smoking. Those with heavy alcohol use should seek the help of their physician or of organizations such as Alcoholics Anonymous for help with alcohol cessation.

Some signs of head and neck cancer include a neck mass, constant ear pain, trouble swallowing, painful swallowing, hoarseness, and ulcerations in the mouth. If you have one or more of these symptoms, you should seek an evaluation by a physician. As with other cancers, cancer of the head and neck can be treated most effectively if it is detected early. ■

Quitting smoking can, within five to seven years, reduce the risk of developing head and neck cancer to levels approaching those for individuals who have never smoked.

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Recent Publications

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Alumni and Fellows Page

Congratulations to our newest alumni, Eva Boldridge-Izu, DDS, MS, Karen Clemente, DDS, MS, Brian Moore, MD, Kristen Pytynia, MD, MPH, Bradley Schiff, MD, and Nicholas Tselios, DDS, MS, who completed their fellowships with the Department of Head and Neck Surgery this summer. Two fellows, Thomas D. Shellenberger, MD, DMD, and Seungwon Kim, MD, will continue their laboratory research in the department, under the tutelage of Gary L. Clayman, DMD, MD (Dr. Schellenberger) and Jeffrey N. Myers, MD, PhD (Dr. Kim).

Where are they now? Dr. Moore continues with M. D. Anderson, pursuing a fellowship in the Department of Plastic and Reconstructive Surgery; Dr. Pytynia has joined the University of Illinois-Chicago as an assistant professor and will continue her public health research and investigation of head and neck cancer outcomes; and Dr.



Pictured from left to right are the 2003-2004 Head and Neck Surgery fellows: Thomas D. Shellenberger, MD, DMD, and Seungwon Kim, MD, will continue their laboratory research in the department, under the tutelage of Gary L. Clayman, DMD, MD (Dr. Schellenberger) and Jeffrey N. Myers, MD, PhD (Dr. Kim).

Schiff is back home in New York City, where he will pursue a career in academic head and neck surgery.

Dr. Boldridge-Izu is practicing prosthodontics in the Houston area; Dr. Clemente will return to private practice; and Dr. Tselios is pursuing a year of specialized training in dental implant surgery and prosthetics.



The 2003-2004 dental fellows from the Department of Head and Neck Surgery, from left to right: Eva Boldridge-Izu, DDS, MS, Nicholas Tselios, DDS, MS, and Karen Clemente, DDS, MS.

The 2004-2005 fellows in the Department of Head and Neck Surgery are Ioli-Ioanna Artopoulou, DDS, MS, Mario Rafael Ganddini, DDS, William Harb, MD, Seungwon Kim, MD, Christopher Klem, MD, Michael Kupferman, MD, Kenneth A. Newkirk, MD, Thomas Shellenberger, MD, DMD, and Bryan A. Williams, DDS. We welcome our new fellows and look forward to working together and getting to know one another during the next year. ■

Chairman (continued from page 1)

speech and swallowing therapists not only facilitate the rehabilitation of our patients after cancer treatment but are conducting prospective research into new techniques to facilitate voice restoration after loss of the larynx. Dr. Lewin's group is also investigating the impact of multimodality cancer therapy on speech and swallowing function and their recovery after treatment.

The department's basic translational and clinical research programs are thriving. Gary L. Clayman, DMD, MD, Jeffrey N. Myers, MD, PhD, and Ann M. Gillenwater, MD, are principal investigators (PIs) on NIH peer-reviewed grants, and Dr. Clayman is the co-PI of the Head and Neck SPORE under the leadership of Waun Ki Hong, MD. Departmental research funding totals more than \$4.5 million in both industry and nonindustry sponsorship.

Several exciting events lie ahead. After 25 years in the current clinical facility, the department will move to larger, updated clinical space, increasing patients' comfort and ease of access. Proposed programmatic expansion in the new clinical space includes a thyroid nodule clinic with full ultrasound-guided fine-needle aspiration capability, an oral premalignancy center, and a multidisciplinary skull base clinic. The department has been awarded greatly expanded and updated research laboratories that will allow co-location of the department's basic and translational research efforts. We are currently recruiting for an experienced,

established basic scientist to lead our laboratory research programs, and several excellent candidates have been identified. With this successful recruitment, the department will be at the forefront of prevention, detection, and treatment of head and neck cancer. Funding to support promising new avenues of research is crucial to the success of our research effort. The institution is committed to a partnership with the department, and we have jointly set a goal of raising over \$2 million to support head and neck cancer research within the next two years. The department is committed to meeting the institutional goal of achieving \$5 in grant funding for every \$1 invested in research through philanthropic sources.

Now is a wonderful time to be associated with such an outstanding department in a world-class cancer center. All of the essential elements exist for our head and neck program to gain new insights into cancer prevention, deliver state of the art care, discover new target-specific therapies, and train the next generation of outstanding clinicians and leaders in the specialty of head and neck surgery. Through a collaboration of effort and a commonality of goals, we will meet the challenges of our mission and move ever closer to "making cancer history." ■

Randal S. Weber, MD, Hubert L. and Olive Stringer Distinguished Professor in Cancer Research, and Chairman, Department of Head and Neck Surgery

*Are you an alumnus of the
Department of Head and Neck Surgery?
If so, please help keep our
information current.*

Just complete the form below and return it to us at:
Department of Head and Neck Surgery,
The University of Texas M. D. Anderson Cancer Center,
1515 Holcombe Blvd., Unit 441, Houston, TX 77030

Name _____

Title _____

Affiliation _____

Street Address _____

City _____ State _____ Zip Code _____

Phone _____

E-mail _____

Recent Awards/Honors _____

Family Information _____

Head and Neck Surgery Staff and Areas of Interest

- | | |
|---|---|
| Randal S. Weber, MD, <i>Chairman</i>
Melanoma, thyroid, parathyroid | Rhonda F. Jacob, DDS
Oral rehabilitation and endosteal implants, xerostomia |
| Mark S. Chambers, DMD
Xerostomia, osteoradionecrosis, mucositis | Arumugam Jayakumar, PhD
Proteins, headpin, and LEKTI in head and neck tumors |
| Gary L. Clayman, DMD, MD
Thyroid, parathyroid | James C. Lemon, DDS
Craniofacial rehabilitation |
| Eduardo M. Diaz, Jr, MD
Larynx, salivary gland, thyroid, skin and melanoma | Jan S. Lewin, PhD
Voice and swallowing rehabilitation/restoration |
| Mitchell J. Frederick, PhD
Angiogenesis, chemotaxis, transcription factors, proteinase inhibitors | Jack W. Martin, DDS
Oral rehabilitation/restoration, oral premalignant lesions |
| Ann M. Gillenwater, MD
Oral cavity, thyroid, salivary gland, skin | Jeffrey N. Myers, MD, PhD
Oral cavity, melanoma |
| F. Christopher Holsinger, MD
Larynx, tonsil, thyroid cancer, salivary gland | Erich M. Sturgis, MD, MPH
Head and neck sarcomas |
| Ehab Y. Hanna, MD
Skull base, orbit | Kelley L. Tomsett, DDS, MS
Craniofacial rehabilitation |
| | Bela B. Toth, DDS
Polymicrobial oral infection, effects of cancer therapy, chemoprevention, mucositis |

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