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Chief’s Corner by Leonard B. Kaban, DMD, MD

As I begin my 21$^{st}$ year as Chief of Oral and Maxillofacial Surgery (OMFS) at Mass General Hospital, I would like to wish all of our faculty, staff, residents, fellows, students and friends a happy and healthy New Year. I look forward to the New Year with the same enthusiasm I have had for each year of my tenure at Mass General. The Mass General OMFS Service is like a “Patek Philippe wristwatch”: You don’t ever own it. You just preserve it and hopefully improve it a little for the next generation. The consistent tradition of excellence of Mass General oral and maxillofacial surgery for the past 141 years (1872-present), I believe, will help us get through the difficult times for academic medicine and the health care system that lie ahead.

Fall Meetings

This fall was chock full of important meetings in late September and October. Here is a quick recap:

**AAOMS Annual Meeting – A Host of Abstracts and Presentations:** The AAOMS annual meeting took place in Orlando, Florida and, as usual, we were well represented. The following faculty, residents and students presented abstracts and gave invited presentations:

- **Dr. R. Bruce Donoff** presented on *Evaluation, Diagnosis and Wound Healing of the Dentoalveolar Injury* and **Dr. Bonnie L. Padwa** on *Bone Grafting in Alveolar Clefts and the Case for Delayed Reconstruction.*
- Oral abstracts included *Clinical Success of Short Dental Implants: Systematic Review and Meta-Analysis on Randomized Controlled Trials* by Sung-Ah Lee, Chun-Teh Lee, Martin Fu; Waeil Elmisalati, Sung-Kiang Chuang DMD, MD; *Identifying Dental Panoramic Radiographic Features for the Screening of Osteoporosis in Post-Menopausal Women* by Sean Geary BS; Firat Selvi DDS, PhD, Sung-Kiang Chuang, DMD, MD, Meredith August MD, DMD.

Participants in the E-poster Author Q&A:

- **The Cleft Deformity in Bangladesh: A Descriptive Summary:** John H. Wessel III DMD, MD, Vincent B. Ziccardi DDS, MD, FACS, Shahid Aziz DMD, MD, FACS, Sung-Kiang Chuang DMD, MD;
- **Treatment Outcomes in Patients with Van der Woude and Popliteal Pterygium Syndromes Compared to Patients with Nonsyndromic Cleft Lip/Palate:** Jeffrey B. Reardon, Katherine A. Brustowicz, Eileen Marrinan MS,
MPH, John B. Mulliken MD, Bonnie L. Padwa DMD, MD;

- *Change in Mandibular Position in Patients with Syndromic Craniosynostosis After Midfacial Advancement with Distraction Osteogenesis*: Naeem Ali, Katherine A. Brustowicz, Naoshi Hosomura DDS, Richard A Bruun DDS, Bonnie L. Padwa DMD, MD;

- *Are Panoramic Radiographs Predictive of Temporomandibular Joint Synovitis in Children with Juvenile Idiopathic Arthritis?:* Shelly Abramowicz DMD, MPH; Lisa Simon BS; Harlyn K. Susarla MPH; Edward Y. Lee MD, MPH; Jung-Eun Cheon MD; Leonard Kaban DMD, MD;

- *Prognostic Factors Associated with Arthroscopy Success in the Treatment of Temporomandibular Joint Internal Derangement*: Ashley Coulter, Thomas B. Dodson DMD, MPH, David Keith DMD, BDS, Edward T. Lahey III MD, DMD, Meredith August MD, DMD.

I was not able to attend the AAOMS Meeting this year, but Bonnie Padwa and Zach Peacock hosted a wonderful alumni dinner attended by 21 Mass General OMFS graduates, spouses, students and residents. I have been told by those who attended that the steak at the Capitol Grille was terrific and the company was even better.

**American College of Surgeons Meeting – Treating Gunshot Wounds of the Face:** Overlapping with the AAOMS meeting was the American College of Surgeons (ACS) Meeting in Chicago, which I attended. This was a very important meeting for our specialty, as it was the 100th Anniversary of the ACS, and it was the first meeting in which a new Section of OMFS participated. This year, our section organized and ran a multidisciplinary session on “Gunshot wounds to the face.” Representatives of General Surgery, Otolaryngology and Plastic Surgery participated along with OMFS, truly making this a multidisciplinary symposium. It was very well received.

There were 41 oral and maxillofacial surgeons inducted as fellows of the ACS this year, the largest number ever. We now have approximately 120 ACS fellows in our specialty. The total number of oral and maxillofacial surgeons associated with ACS is more than 200, counting current candidate, resident and associate members. I feel very proud of this accomplishment as I was the third oral and maxillofacial surgeon inducted as a fellow in 1975. Edward Hinds, DDS, MD and Donald Leake, DMD, MD (an HSDM graduate) preceded me in the College.

Subsequently, a number of Mass General OMFS alumni were among the early OMFS staffs to achieve fellowship status: Steven Roser, Bruce Donoff, John P.W. Kelly. Currently, 17 Mass General alumni are fellows, and two are candidates for fellowship in the ACS. They are: Jon Bailey, Tuan Bui, Reed Day, RB Donoff, Mark Glyman, Matthew Jacobsen, Leonard B. Kaban, John PW Kelly, Ed Lahey (candidate), Janice Lee, Killian McCarthy, Bonnie Padwa, Zachary Peacock (Mass General faculty and Mass General fellowship alumnus), Cory Resnick (candidate), Steven Roser, Sal Ruggiero, Harry Schwartz, Eric Swanson, Mark Zajkowski.
I encourage all of our alumni to apply for fellowship in the ACS. It is very important for our specialty to have a seat at the decision-making table for the future of health care and the ACS is the best vehicle for us.

**Biannual International Congress of Oral and Maxillofacial Surgery – Fibro-osseous Lesions:** At the end of October, the biannual International Congress of Oral and Maxillofacial Surgery was held in Barcelona, Spain. We were represented at the meeting by Dr. Zachary Peacock who gave a symposium on the Contemporary management of fibro-osseous lesions.

**Royal College of Surgeons Ireland Annual Meeting – Anesthesia and Sedation:** Finally, at the end of the month, the Royal College of Surgeons Ireland (RCSI) Annual Meeting was held in Dublin, Ireland. The subjects of the meeting were Anesthesia and Sedation for outpatient Dentoalveolar Surgery and Orofacial Pain.

- Dr. Steven Scrivani, a graduate of the Mass General/HSDM Orofacial Pain/Doctor of Medical Science program and who recently joined the Mass General faculty to direct a new Division of Orofacial Pain and an Orofacial Pain residency program spoke on *Trigeminal Neuralgia: Etiology, Evaluation and Management*.

- I gave a lecture entitled: *The Role of Dentists In the Discovery And Dissemination of Ether Anesthesia*.

Dr. Mary Collins, a former Mass General resident who practices in Ireland, attended the meeting. Dr. Gerry Kearns, a former resident in OMFS at UCSF and a former Mass General OMFS fellow, is now the Dean of the RCSI, and I was honored to be inducted as an honorary fellow of this college, along with my colleague, Dr. Tony Pogrel. Two other Mass General trained surgeons have been so honored: Dr. Judah Folkman, 1996 and Dr. Charles Bertolami, 2011.

**Other OMS Staff News**

Since our last newsletter, a number of our colleagues have taken advantage of exciting new opportunities:

- **Zachary Peacock** was promoted to Assistant Professor.

- **Shelly Abramowicz** was promoted to Assistant Professor. Shelly left Children’s Hospital to take an academic position at Emory University with Steve Roser’s group. She developed considerable expertise in pediatric TMJ problems, in particular juvenile idiopathic arthritis, while here, and I am sure she will continue this work in Atlanta.

- **Sung-Kiang Chuang** was promoted to Associate Professor.

- **Tom Dodson** left Mass General to become Professor and Chairman of OMFS at University of Washington, Seattle. Tom had been at Mass General for 15 years, during which time he was Residency Program Director for seven years and Director of our Center for Advanced Clinical Investigation for 10 years. Tom made great contributions to our department in many ways and
we will miss him. I will particularly miss Tom because we have been together in the same Department, in one location or another, for most of the last 29 years, except for a short gap while he was in Atlanta at Emory.

We all wish Shelly and Garrett and Tom and Ellen the best of health, happiness and success in their new positions. I am confident they will bring the Mass General traditions to their new institutions.

In addition, Cory Resnick, a 2011 graduate of the Mass General OMFS program joined the faculty at Children’s Hospital on November 1. As mentioned above, Steven J. Scrivani joined the faculty at Mass General on September 1. We welcome them both back to the Mass General/BCH/Harvard family.

The Service has experienced considerable growth over the past several years and we are working with the hospital to identify new space on campus to enlarge our clinic to accommodate the volume and expansion of our programs. With new space, we will also be able to increase our resident numbers. I will keep you posted on the progress of this activity. Keep in mind that this will be a naming opportunity for a major donor. I would appreciate any ideas from alumni on this subject.

Again, I wish you all a happy, healthy and successful New Year.  [return to top]
Department Highlights

In July, our chief, Dr. Leonard B. Kaban, gave the Presidential Address at the combined Royal College of Surgeons Ireland, British Association of Oral and Maxillofacial Surgeons Meeting in Dublin, Ireland. The lecture was entitled: *Education, Mentoring and Research—the Future of Oral and Maxillofacial Surgery.*

Here are other department highlights:

- **Dr. Sung-Kiang Chuang** directed the fifth annual international CE course: *Evidence-based Implant Dentistry at the Mass General,* September 20 to 22.

- **Dr. Steven J. Scrivani** presented *Integrative Medicine for Pain* at the Acute Pain Management Symposium, Department of Anesthesiology, Critical Care and Pain Medicine, Center for Pain Medicine, Massachusetts General at Fairmont Copley Plaza Hotel on September 7.

  - Dr. Scrivani was the Adjunct Professor and Course Director of *Neuroscience of Pain: From Society to Synapse in the Master of Science in Pain Research, Education and Policy Program,* Public Health and Professional Degree Programs in the Department of Public Health and Community Medicine at Tufts University School of Medicine Blended Learning Distance Education Program in September 2013. He was the Adjunct Professor in the Dental Distance Education Master of Science Program, in the Craniofacial Pain, Headache and Sleep Center at Tufts University School of Dental Medicine from September 7 to 11.

  - Dr. Scrivani is the Master of Science Thesis Mentor for Dr. Sameer Hate, *The Efficacy of Buffered Local Anesthesia in Reducing Postoperative Injection Pain and Hastening the Onset of Regional Anesthesia for Dental Extraction;* Dr. Gerry Quinn, *The Immediate Effect on Changing Mandibular Position on Cross Sectional Airway and Head Posture Position;* and Dr. German Ramirez, *The Effect of Dental Occlusal Disturbances on the Curvature of the Vertebral Spine in Rats.*

- **Dr. Jeffry Shaefer** lectured on *Pain and Anxiety Management: Meeting BORID training requirements* on October 15 to the Cape Code District Dental Society in Hyannis. On October 16, he presented *Gender Differences in Musculoskeletal Pain Mechanisms & Responses to Treatment* at the Workshop on Musculoskeletal Pain: Riddles and New ideas at Brigham and Women’s Hospital.

- **Dr. David A. Keith** lectured at the Mass General OMFS Grand Rounds on November 6 on Temporomandibular joint replacement with total joint prostheses. He also presented a two-hour CE lecture mandated by the Board of Registration in Dentistry for renewal of Dental Licenses on Pain management for Dentists at the Massachusetts Dental Society Yankee Institute on November 8, the Middlesex District Dental Society on November 13 and the Wachusett District Dental Society on November 14.
• Congratulations to Natalie Tung (Chief Resident) and her husband Austin who welcomed their second son John Francis, on August 20.

• Congratulations to Zachary Peacock and Carolyn Coppe on the arrival of their son Trent on January 25, 2014.

• Congratulations to Edward and Kirsten Lahey on the birth of their daughter Eliza on January 28, 2014.
Our new categorical interns Jason Schultz, Qian Yang and Jason Lee have adjusted well to our fast-paced internship year. Although our preliminary intern, Ban Nacy, started late, she has seamlessly woven herself into the team. This year’s chief residents, Yedeh Ying, Amir Laviv and Natalie Tung are well-organized and hard-working, and have great attitudes. They are very nurturing to the younger residents.

Program Enhancements

Key adjustments have been made to the program during the past several years:

1. Interns attend the HMS Patient/Doctor II course.
2. There are formal chief rounds every Wednesday morning at 6:45 a.m., headed by Dr. Kaban (all are invited to attend).
3. Service meeting, orthognathic conference and the formal didactic sessions are now all on Thursday mornings from 6:45 to 10:00 a.m.
4. We have instituted specific goals for each year of the program as well as formal intraoperative evaluations after each operation performed by the residents.

Course News and Updates: Dr. August continues to give a Physical Diagnosis course, and we have expanded the Surgical Anatomy course to 18 hours, thanks to support from Drs. August, Lahey, Peacock and Pace. With Tom Dodson’s departure, the Evidence-Based Medicine course will be given by Drs. Sung Chuang and Zachary Peacock.

CODA External Accreditation: We have our five-year CODA external accreditation review coming up in September 2014. In preparation, the GME office has conducted a review and is currently working on curriculum analysis (changes) and program improvements. In response to this internal review, formal Implant, Orthognathic/Orthodontic and Anesthesia manuals are being completed; our administrative team led by Nurse-Manager Pat Vogel is coordinating the clinic and main operating room schedules; and we have reinstituted the Administrative/Ward Service Chief and Private Chief clinics and have post-ER visit follow-up clinic slots.

More Than 12,000 Patient Visits: The resident clinic had more than 12,000 patient visits last year. Thanks to the hard work of Administrative Director John McGillivray, we were able to implement efficiencies that improve the patient experience and reduce wait times on the Ward Service.

80-Hour Workweek Compliance: In our attempt to comply with the 80-hour workweek, interns and juniors are now sent home post call. We have added a physician’s assistant (PA), Maureen MacGowan, who helps with admission histories and physical examinations, and a nurse practitioner, Pam Morrison, who makes rounds with the residents, helps take care of inpatients and with clinic triaging. She is truly a physician extender and a tremendous help to the resident team.
Texas Visiting Professor Recounts Emergency Care Given to President Kennedy: The Ninth Annual OMS Residency Program Visiting Professor was Dr. Douglas Sinn, Clinical Professor and past Chairman of the Division of Oral and Maxillofacial Surgery at the University of Texas Southwestern Medical Center. Dr. Sinn presented a very interesting first-hand account of the events surrounding the John F. Kennedy assassination and the emergency care President Kennedy received in the Parkland Emergency Department. Dr. Robert Walker, Chief of OMFS at the time, provided much of the source material for Dr. Sinn’s presentation on the 50th anniversary of the assassination. The residents enjoyed interacting with Dr. Sinn at dinner after Grand Rounds, at service meeting and during the resident clinic the following day.

I want to encourage colleagues from the community and alumni to attend our excellent Grand Rounds (1st and 3rd Wednesdays) and Pathology Rounds (4th Thursday) lectures. These are an excellent opportunity to keep in touch with the latest medical and OMS advances while networking with our OMS faculty and residents. You can receive Harvard CME credits for each of these events.

Happy New Year to all!

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Division of Dentistry – Mass General & Mass General North Dental Group

by Agnes Lau, DMD

The department satellite at Mass General/North Shore Center for Outpatient Care in Danvers continues to expand its services. Dr. Pamela Jackson Linder is now practicing at both the Boston and Danvers offices as a general dentist. Dr. Jeffry Shaefer has developed a practice focused on sleep apnea patients working with North Shore Physicians Group Pulmonary and Sleep Medicine. Dr. Steven Scrivani, the new Director of Oral and Maxillofacial Pain and Orofacial Pain Program, is now working with Dr. David Keith at the Danvers facial pain clinic.

Members of the Division have participated in a number of professional activities. Dr. Miguel Vidal and Dr. Thomas Dodson gave a presentation on Evidence-Based Implant Dentistry as part of a Harvard/Mass General-sponsored course at UNICOC in Bogota, Colombia in November. Dr. Vidal was also an invited speaker at the Hispanic Dental Association National Meeting in September, lecturing on Achieving Predictable Esthetics for Implants. Dr. Katherine Klein has been very active in the Northeast Society of Orthodontists, being a Communications Committee Member and selected as the Scientific Chair for the 2016 Annual Meeting and Chair of the New and Younger Members Group. She has also been selected as a member of the UNC Alumni Association Research Committee. Dr. David Kim was invited to give a lecture entitled: A New Era in Periodontal and Bone Regeneration at the 2013 Thailand International Conference on Oral Biology in November. Dr. Jarshen Lin was guest lecturer on endodontic emergencies at Taipei Medical University in November.

Congratulations to Dr. Michelle Anderson and Dr. Katherine Klein for becoming board certified in their respective specialties of pediatric dentistry and orthodontics, to Dr. Jarshen Lin for being awarded the Spirit of Ice Chips Award by the Skating Club of Boston for lifetime achievement in humanitarian and philanthropic efforts, and to Dr. Jennifer Magee and Joshua Aigen on the birth of their son, Connor, on September 7.

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Center for Applied Clinical Investigation

by Sung-Kiang Chuang, DMD, MD, DMSc

I recently succeeded Dr. Thomas B. Dodson as the director of the Center for Applied Clinical Investigation (CACI) at the Mass General Department of OMS. I would like to thank Dr. Dodson for his role in this advancing research through this program, and I look forward to continuing this exciting work in patient-oriented research as part of the CACI program.

To provide some background, I am the statistical editor of the JOMS and a committee member of the AAOMS special committee on outcome assessment (SCOA). The AAOMS SCOA task force is currently working on the systematic reviews of the 3rd Molar Clinical Trials.

I was pleased to direct the fifth annual international CE course in Evidence-Based Implant Dentistry in September 2013 at Mass General. The 30 course attendees, all dentists and dental specialists, hailed from South America, Taiwan, Japan and the United States. In addition to my research and CE activities, I am enjoying the beginning of my third year as director of predoctoral education in OMS at HSDM.

In other CACI news, Dr. Ya-Wei Chen will begin the CACI Fellowship in Clinical Investigation in July 2014. She will be the fifth CACI fellow and the second international fellow. Sponsored by her university and a grant from the Taiwanese government, her one-year fellowship will include didactic and research activities at Mass General. Dr. Chen is currently an attending OMS surgeon. She has a faculty appointment in the Department of Stomatology, Taipei Veterans General Hospital in Taiwan and the National Yang-Ming University School of Dentistry where she has practiced oral and maxillofacial surgery while advancing patient-centered outcomes research. We look forward to welcoming her to our Mass General and HSDM OMS family.

I’d like to emphasize that the excellence of our student research is a direct result of OMS Foundation support. We are proud of the contributions by our faculty group, the Mass Society of OMS and Mass General alumni, which help maintain New England as a leader in the Foundation’s REAP program. We urge those of you who benefit from our continued research to support our activities through REAP and our Department’s Education and Research Fund. Please visit the Center for Applied Investigation on massgeneral.org.
Division of Oral and Maxillofacial Pain

By Steven J. Scrivani, DDS., D Med Sc

The Department of Oral and Maxillofacial Surgery has recently created the new Division of Oral and Maxillofacial Pain. I am honored and pleased to have been chosen to be the director of this division and to be back in the Department of Oral and Maxillofacial Surgery and at Mass General after a 15-year hiatus. I believe that this division and its core faculty (Drs. Keith, Shaefer and me) along with other faculty of the department and collaboration with other departments and services in the hospital will broaden the scope of pain medicine practice here at Mass General.

One of my many tasks will be to revamp the orofacial pain training program into a two-year, full-time, hospital-based residency program. To this end, the new Orofacial Pain Residency program (of which I am the Director) has just recently been approved by the Mass General Executive Committee on Teaching and Education (ECOTE) in the Office of Graduate Medical Education. The next step is submission of a Self-Study Application to the Commission on Dental Accreditation (CODA) for formal review, site visit and accreditation for this program. This will take place in early 2014.

Please visit the Orofacial Pain Residency program website.

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Children’s Hospital News

By Bonnie Padwa, DMD, MD

The Department of Plastic and Oral Surgery at Boston Children’s Hospital is thrilled to welcome Drs. Cory Resnick and Sal Afshar to the staff. Cory and Sal completed their residencies in Oral and Maxillofacial Surgery at Mass General. Cory returns to the department full-time after two years in private practice. Sal is on the part-time staff and will be spending his one clinical day a week in the department while he continues to work on his Internet company. Shelly Abramowicz has joined the faculty at Emory University, and we wish her all the best in her new position.

The Children’s Hospital rotation for Mass General Chief Residents continues as an important part of the training program. We also welcome predoctoral students from HSDM and other dental schools as externs. The residents and students often participate in our research program during these clinical rotations, which adds to their pediatric experience.
2013 OMFS Holiday Party

This year’s Holiday Party was a festive, family event enjoyed by all! Special thanks to Kara Stone for organizing the event, Dr. August for another terrific job as MC and Bonnie Bounds for offering her skills as the official photographer!
Watch your email for the next OMS Newsletter, Volume 16, Issue 2, arriving in Spring 2014. Please contact us at oralsurgery@partners.org to update your contact information.