



## News from the Chief: Dr. James Q. Swift

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Dear Colleagues,

Since our last newsletter, there has been a beehive of activity in the Division of Oral and Maxillofacial Surgery at the University of Minnesota. As per Dr. Hughes' note in this newsletter, you know that we are preparing for a site visit from the Commission on Dental Accreditation (CODA) for our advanced education residency program in oral and maxillofacial surgery. Some of you may be aware however that our entire dental school and all of our other residency programs underwent the CODA accreditation site visit last fall. This included our pre doctoral oral and maxillofacial surgery curriculum and clinic. We are happy to report that it was an outstanding outcome from the site visitors' viewpoint. Our school is strong. It has thrived under the leadership of Dean Patrick Lloyd and with the significant contributions of our faculty, staff, students and residents.

I am pleased to report that unlike many other dental schools and programs, our oral and maxillofacial surgery faculty is also strong. We have exceptional full time faculty dedicated to all of our extensive teaching efforts here on the University campus, at our affiliate training sites and in the OMS community at large. Our part time faculty are tremendous as well. Considering the nationwide shortage of OMS faculty, we are extremely fortunate to have such a great team. I truly feel that this is the best faculty assembled in my time here. I can assure you that these great people will accomplish great things.

Since my time at the University of Minnesota, we have undertaken efforts to embrace our OMS community colleagues. To that end, for the first time in many, many years, the faculty of both the Mayo Clinic OMS program and the University of Minnesota OMS program arranged a conjoint reception for alumni and friends at the AAOMS meeting last October in San Diego. It was a phenomenal success, well attended, and many of you requested that it continue. I am happy to report it will, in conjunction with the AAOMS meeting this fall in Hawaii. We hope to see you there.

Our perpetual Waite Lectureship will again be an outstanding educational experience. Dr. Andrew Herlich will update us on current trends in anesthesia. It will help all of us to be better clinicians. I hope to see you there.

Lastly, thanks to all of you who support our programs in various ways, by contribution of your time, expertise and resources. It helps all of us to provide the best training possible for our residents and students, which will continue to result in a high standard of oral and maxillofacial surgery care for the patients we treat.

As always, I encourage you to contact me via email or phone with questions, concerns and suggestions. My email address is swift001@umn.edu.

***Coming soon...***

Waite Lectureship: April 14, 2007

Mock Boards: May 24, 2007

5th Annual OMS Review: August 18-20, 2007

Resident Interview Day: November 15, 2007



## Dr. Ma'Ann Sabino

### New OMS Faculty Member

We are very fortunate to have Dr. Ma'Ann Sabino join our team as an Assistant Professor in the Division of Oral and Maxillofacial Surgery at the University of Minnesota.

Dr. Sabino graduated from the University of Minnesota in 1998 and then went on to work on her PhD in oral biology, which she accomplished in 2002. Dr. Sabino completed her OMS training at the University of Minnesota in June of 2006. She has had many accomplishments while pursuing her career goals, including winning the Straumann Resident Research Award for an unprecedented 4 years in a row. She has been published in the *Journal of Supportive Oncology*, *Cancer Research*, and the *International Journal of Cancer*. She and Dr. Swift recently completed a book chapter entitled "Chronic Facial Pain" in the Fonseca textbook of Oral & Maxillofacial Surgery, 2nd edition.

Dr. Sabino continues to work on research in the area of bisphosphonate osteonecrosis with her colleagues, Dr. Basi and Dr. Hughes.

## GRATITUDE

Since last years' newsletter, the following people have expressed their generosity by making financial contributions to the oral and maxillofacial surgery program. These contributions give us the opportunity to provide enhanced learning experiences for our residents; and for that we are extremely grateful. Thank you.

### OMS Research and Education Fund

Angie & Scott Rake	\$8120
Daniel Foley	\$1000
Larry Franz	\$1000
Timothy Durtsche	\$500
Steven Johnson	\$200
Jeffrey Champion	\$150
Thomas Austin Jr.	\$100
Bruce Lund	\$25

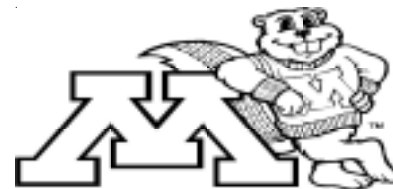
### UM OMS Alumni & Friends Resident's Fund

Gregory Lung	\$1000
Ioannis Koutlas	\$1000
Mark Omlie	\$1000
Rick Diehl	\$250

### Daniel E. Waite Lectureship Fund

Daniel Waite	\$1000
Mark Omlie	\$250
Michael Fleener	\$100

If you should feel so inclined to make a contribution, please contact Delores Mordorski at 612-624-9959 or mordo001@umn.edu



## Guatemala Mission Trip

from Dr. Dave Basi



### Guatemala

Guatemala is the northernmost nation in Central America. It has a land area approximately one-half the size of Minnesota. The country consists of cool highlands and tropical jungle areas. Mexico, Belize, Honduras and El Salvador border Guatemala. In 2006, the population of Guatemala was just over 13 million. The government of Guatemala is a constitutional democratic republic. This means that elected officials' decision-making is subject to rule of law and is governed by the constitution. Guatemala's main exports to the USA are sugarcane, bananas and coffee.

### University of Minnesota OMFS in Guatemala

In January, Pam Hughes and I traveled with a surgical team that included general and plastic surgeons and auxiliary personnel. The team is part of the non-profit organization called The International Humanitarian Surgical Team (IHST). The IHST has been providing surgical services to the people of Guatemala for over a decade. This year, the surgical team traveled from different parts of the US and met in Antigua, which is just North of Guatemala City. From Antigua we traveled to, and provided services in, the town of Chimaltenango. *cont. pg 7*



# Residency Program Update

from Dr. Pamela Hughes

## 2007 accreditation site visit:

The OMS advanced education program is up for accreditation this April. As most of you may be aware, OMS programs are evaluated every five years by the ADA's Commission on Dental Accreditation. Preparing for the CODA site visit has been an interesting process for me, instilling yet an even greater respect for the continued efforts put forth by many individuals to advance the residency training program. The tremendous opportunities that our residents experience persistently continue to evolve and positively enhance their knowledge and surgical skills. These opportunities would not be possible without the dedication and support of our affiliated faculty, full or part-time, OMS or otherwise.

## Incoming residents:

*(Class of 2011)*

This year the resident selection process proved to be challenging as application totals topped one hundred forty. This is the most that our program has received in recent years. Not only were the total numbers increased, but the quality of the applications were exceptional. It is exciting to see that our profession continues to attract bright, ambitious, outstanding individuals. The program recently matched four candidates with very diverse backgrounds and accomplishments as one can glean from the bios included in this newsletter. We are very pleased to welcome them.

## Research:

At the current time, nine residents are involved in nine ongoing research projects. Two of these projects are receiving funding through the Oral and Maxillofacial Surgery Foundation's Resident Research Grant. A variety of topics are covered from anesthesia to anatomy to pathology and beyond. Specific projects are highlighted in the *Research* section of the newsletter.

## Educational opportunities:

I would like to express sincere thanks to those who have sponsored resident educational activities this past year. Because of your generous and unwavering support, whether financial or volunteer, a number of residents were able to attend various seminars or receive specialty instruction that otherwise may not have been possible.

Examples of some of the sponsored events attended by residents include:

### Waite Lectureship Resident Night:

*Dr. Rainer Schmelzheisen*

### Mayo visiting lecturer:

*Dr. Robert Ord*

### 5th Annual University of Minnesota OMS Review

### Regions Trauma Conference

visiting lecturer: *Dr. RV Walker*

### Twin Cities OMS Study Club

*Clinicopathological Conferences*

### Selected AO courses

### Mock Boards

## Current 4th Year Chief Resident's

### Prasad Bastodkar

Prasad is a fourth year resident who earned his BDS from Government Dental College in Bombay, India, and then went on to earn his DDS from Loma Linda University. He also completed an oral and maxillofacial surgery internship at the University of Minnesota prior to joining the advanced education program. His research projects included evaluating a new technique for medial canthopexy and studying dose dependent effects of ketamine in intravenous sedation. He plans to join a private practice in the Twin Cities upon completion of his residency.

### Jill Merrill

Jill is a fourth year resident and graduate of the University of Minnesota School of Dentistry. She completed an oral and maxillofacial surgery internship at the University of Iowa in 2003 after practicing dentistry for one year. Under Dr. Paul Kwon's supervision, Jill is researching the history of anesthetic techniques over the past twenty years. She completed an overseas rotation this fall in Aberdeen, Scotland and is hoping to join a practice in the Twin Cities after completion of her residency.

### Eric Scharf

Eric is a fourth year resident who graduated from the University of Southern California with a DDS in May of 2003. His current research involves determining whether patients with cardiac disease can lower their ischemic risk during dentoalveolar surgery by using mild sedation. After completion of his residency, Eric will be going into the Air Force and will be stationed at Wilford Hall in San Antonio, TX as a faculty member of their Oral and Maxillofacial Surgery residency program.

### Peter Vellis

Peter is a fourth year resident who received his DDS from Columbia University in May 2000. He is a United States Naval Dental Officer, starting as a GPR at the Naval Hospital in Great Lakes, IL, and then becoming the Dental Department Head on the USS Detroit in Earle, NJ in support of Operation Enduring Freedom, and was recently promoted to the rank of Lieutenant Commander. Peter has researched implant and composite flap survival rates in patients that received hyperbaric oxygen treatment at Hennipen County Medical Center and was published in *Minnesota Medicine*. He is scheduled to be stationed in Norfolk, VA as the Oral and Maxillofacial Surgeon for the USS Eisenhower after completion of his residency.

# Our Current Residents

## Jennifer Beaudin

Jennifer is a third year resident. She earned her DMD and MSEd from the University of Pennsylvania School of Dental Medicine and the Graduate School of Education in May 2004. Prior to her matriculation into the program, she participated in several externships, including the externship program here at the University of Minnesota. Her current research includes retrospective literature and chart reviews on the topic of mandibular coronoid hyperplasia.

## Rhys Strasia

Rhys is a third year resident who graduated from the University of Oklahoma College of Dentistry in May 2003. He interned at John Peter Smith Hospital in Fort Worth, Texas, in the Department of Facial and Oral Surgery. He presented an abstract and poster at the IADR in March 2002 entitled, "Vertical and Sagittal Analysis of the Facial Soft Tissue Profile." His latest project involved utilizing conebeam CT scans to evaluate the incidence of lingual cortex dehiscence in third molar sites.

## Elizabeth Misselt

Betsy is a second year resident. She graduated from the University of Minnesota School of Dentistry in May 2005. She earned her undergraduate degree in chemistry from Wheaton College in Wheaton, IL. Betsy is currently working on two research projects, including a chart review of patients who have had dental implants while taking oral bisphosphonates and the usefulness of an atelocollagen sponge for ridge preservation.

## Robert "Dave" Rupprecht

Dave is a second year resident and an active duty Commander in the United States Navy. He received his DDS from the UCSF in 1989, completed a GPR at the Great Lakes Naval Hospital in 1990, and residency training in periodontics at the Naval Dental School in 1998. His research project involves the preoperative prediction of increased postoperative pain after removal of impacted third molars.

## Christopher French

Chris is a first year resident who graduated from Creighton University School of Dentistry, Omaha Nebraska in 2003. Since that time he has participated in a General Practice Residency at Hennepin County Medical Center, Minneapolis and participated in an oral and maxillofacial surgery internship at the VA Medical Center. While at the VA Medical Center, he worked as a researcher in the HIV lab. He earned his undergraduate degree from Seattle University in chemistry. He is currently working on a protocol for hypotensive anesthesia for orthognathic procedures in collaboration with the Department of Anesthesia.

## David Junck

Dave is a first year resident who graduated from the University of Michigan School of Dentistry, Ann Arbor in 2005. He then had the position of Lecturer in the Oral Surgery Department at the University of Michigan for the year following graduation. He received his undergraduate degree at Marquette University in Biomedical Sciences.

## Andrew Pearson

Andy is a first year resident who graduated from the University of Minnesota's School of Dentistry in 2006. He has previously participated in externships at the Mayo Clinic, The University of North Carolina, and LSU in New Orleans. Andy earned his undergraduate degree in biology at the University of St. Thomas. He is also currently involved with research in wound healing following third molar extractions.

## Jeffrey Zeller

Jeff is a first year resident who earned his DDS from the University of Missouri - Kansas City in 2003. He is currently a Lieutenant Commander in the United States Navy. He has been a Surface Warfare Officer, an Associate Professor at the University of Oklahoma in the Naval ROTC program, a Medical Programs Recruiter, a Health Professions Scholarship Program Dental Recipient and a General Practice Resident (GPR) at the Naval Medical Center, Portsmouth, VA.



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If you are interested in learning more about our residency program, please contact Delores Mordorski at 612-624-9959 or [mordo001@umn.edu](mailto:mordo001@umn.edu) or go to our web site at [www.dentistry.umn.edu/programs\\_admissions/advanced\\_programs/oral\\_max\\_surgery.html](http://www.dentistry.umn.edu/programs_admissions/advanced_programs/oral_max_surgery.html)

# Our New Residents



## William Farnsworth

William graduated from the University of Maryland Dental School, Baltimore in 2006. He is currently doing a GPR at Christiana Care Health System in Wilmington, DE. He did an externship in Mexico City, Mexico in 2006, has served the community as a Health Fair volunteer, worked with the Mission of Mercy in Northern Virginia, and also worked as a volunteer for the Special Olympics. He received his undergraduate degree from Arizona State University, Tempe.



## Michael Hale

Michael will graduate from Ohio State University School of Dentistry this spring. He has participated in an externship at the University of Iowa OMFS department, is a member of the Hispanic Dental Association, and has volunteered to provide dental care for underserved populations, mostly Hispanic Americans. He speaks fluent Spanish. He received his undergraduate degree in biology from The University of Utah, Salt Lake City.



## Blaine Milne

Blaine graduated from the University of Louisville School of Dentistry in 2001. He is currently working as an associate in a busy practice in Utah. He has worked with the United States Army Dental Corps as an Emergency Call Dentist and also worked in the Soldier Readiness Program, ensuring soldiers were ready to serve. He received his undergraduate degree in biology from Southern Utah University, Orem.



## Carl Trout

Carl will be graduating from the University of Nebraska Medical Center this spring. He has participated in externships at both The University of Iowa and The University of Nebraska. He has volunteered for Senior Health Day, Big Brothers/Big Sisters, and ACS Relay for Life and Easter Seals. He received his undergraduate degree in biology from The University of Wyoming, Laramie.

## Resident Applicant Statistics



### Number of Applicants

2006: 110    2007: 139

### G.P.A. (average)

#### *All Applicants*

2006: 3.30    2007: 3.47

#### *Interviewees*

2006: 3.68    2007: 3.43

### Dental Boards I (average)

#### *All Applicants*

2006: 86    2007: 96

#### *Interviewees*

2006: 92    2007: 96

### Dental Boards II (average)

#### *All Applicants*

2006: 74    2007: 84

#### *Interviewees*

2006: 87    2007: 87

### Graduating Years

#### *All Applicants*

2006: 1987 through 2006

2007: 1999 through 2007

#### *Interviewees*

2006: 2003 through 2005

2007: 2001 through 2007

### Female

#### *All Applicants*

2006: 19%    2007: 15%

#### *Interviewees*

2006: 22%    2007: 25%

## RESEARCH NEWS

### Current Research

Basi D, Hughes P, Sabino M. *The effect of bisphosphonates on wound healing after tooth extraction in rats*

Basi D, *The Involvement of Bradykinin and the Role of High Molecular Weight Kinogen within Alveolar Osteitis Extraction Sockets*

Hughes P, Patel K, Rhodus N, Meyer C, Lerain A, Patel D, Moser K. *Candida species in Primary Sjogren's Syndrome*. Presented at the IADR meeting March, 2007

Hughes P, Patel K, Moser K. *Evaluation of B and T cell lymphocytes in minor salivary glands in Sjogren's Syndrome*

Hughes P, Patel K, Moser K. *Effects of steroid use on minor salivary gland lymphocytic infiltrate in Sjogren's Syndrome*

Hughes P, Misselt E. *Cone-beam CT guided assessment of ridge preservation utilizing atelocollagen sponge*

Hughes P, Misselt E, French C. *An evaluation of implant success in patients taking Alendronate*

Hughes P, Pearson A, Kwon P. *The comparison of healing in maxillary third molar extractions by different postoperative treatment modalities*

Hughes P, Rupperecht D. *Preoperative predictors of postoperative pain*

Sabino M, Basi D, Hughes P, Gopalakrishnan R, Adkinson C. *Efficacy of hyperbaric oxygen therapy in managing bisphosphonate-induced osteonecrosis of the jaws*

Sabino M. *Histopathology of bisphosphonate-induced osteonecrosis of the jaws*

Fricton J (PI), Swift J, Basi D. *NIDCR TMJ Implant Registry and Repository* 2002 to 2007.

Herzberg M (PI), Swift J. *Minnesota Craniofacial Research Training Program* Continuation 2002 to 2007.

Swift J (PI). *A Prospective, Multicenter Study of the Osseotite Certain™ Implant System in the Mandibular and Maxillary Regions* 2003 to 2007

## PUBLICATIONS

### Journal Publications

Kim U, Chung I, Lee K, Swift J, Seong W, Ko C. Bone Regeneration in Mandibular Distraction Osteogenesis Combined with Compression Stimulation, *JOMS*, 64(10):1498-1505, 2006

Basi D, Adhikari N, Li Q, Kao E, Mullegama SV Hall J. Femoral artery neointimal hyperplasia is reduced after wire injury in Ref-1 (+/-) mice. *AJP: Heart and Circulatory Physiology*. 2007 Jan;292(1):H516-21

### Book Chapters

Basi D, "Healing of Traumatic Injuries", *Oral and Maxillofacial Surgery*, 2<sup>nd</sup> Edition, edited by Raymond J. Fonseca, DMD. 2007

Wills L, Swift J, Moller K. "Craniofacial Syndromes and Sleep Disorders", *Encyclopedia of Sleep Medicine*, edited by T. Lee-Chiong, John Wiley & Sons, Inc. 2006

Sabino M, Indovina A, Kademani, D. "Aphthous Ulcers", *Oral and Maxillofacial Surgery Board Review*, reviewed by Shahrokh Bagheri, DMD,MD and Chris Jo, DMD. 2006

Swift J, Sabino M. "Chronic Facial Pain: Evaluation, Diagnosis and Management", *Oral and Maxillofacial Surgery*, 2<sup>nd</sup> Edition, Elsevier NY, in press

### Research cont:

Schiffman E(PI), Swift J. *Research Diagnostic Criteria: Reliability and Validity* 2001-2007

Kwon PH, Pearson A, Laing R, Stacy C. *The Comparison of Healing in Maxillary 3rd Molar Extraction by Different Postoperative Treatment Modalities* 2004 to present.

Kwon PH, Merril J, Jaber J. *Current Trends in Office Anesthesia* 2004 to present.

## Guatamala Mission Trip cont. from page 2

The main clinic and operating rooms were located in the Berhorst Clinic (see below for details about the clinic), while Pam and I setup our improvised, outdoor clinic 6 blocks away. We brought all the dental equipment needed to provide basic dental services including exams and dentoalveolar surgery. We had the opportunity to examine 240 patients ranging from the very young to the elderly, and performed over 260 dental extractions. This was only possible with the help of our amazing interpreters. In addition, we aided the plastic surgeons in the operating room with multiple cleft lip and palate patients. All in all we worked hard, but are hopeful that we made a small, positive difference in our patients' well-being. Our future plans include providing dental education to local health professionals so that they may better serve their respective communities.

### **The Berhorst Clinic**

Chimaltenango is the town where, in 1962, Dr. Carroll Behrhorst founded a revolutionary medical program and clinic (Behrhorst Clinic) in a rural setting. The Behrhorst Clinic taught relatives to help care for their family members during times of illness and after surgical procedures. This was necessary due to the quantitative lack of local and national medical professionals. During the Guatemalan civil war in the 1980's, Behrhorst-trained health promoters were killed indiscriminately by army counterinsurgency actions. This violence disrupted the health care program and subsequently caused health conditions to worsen over the past decades. Access to care remains a significant problem to most Guatemalans. We are thankful for the opportunity to help the people of Guatemala.

### **¡Muchas Gracias!**

This trip would not have been possible without the help of many contributions from individuals and companies. Pam and I would like to extend our sincere gratitude to the following contributors:

*Septodont U.S.A.*

*Oral and Maxillofacial Consultants P.A.  
With special thanks to Marian Williams*

*University of Minnesota School of Dentistry*

*The Division of Oral and Maxillofacial Surgery  
With special thanks to Ms. Barbara Kleist and Dr. Daniel Larson*



The children of Guatamala



Guatamalan Family

## FOREIGN ROTATION

### Scotland, in the eyes of 4th year resident, Peter Vellis



The foreign rotation at the Aberdeen Royal Infirmary is a wonderful experience. It is indeed an honor to work with the highly qualified consultants and specialist registrars in Great Britain. Our rotation here not only allows us to apply our clinical and academic training, but it also helps us close the circle of knowledge of our great oral and maxillofacial specialty.

We are given the opportunity to care for patients that are afflicted with cancer of the head and neck. We not only help plan for the resection of their cancer, future adjuvant chemo and radiotherapy, but also to plan and thoroughly discuss and apply the knowledge and skills that will be needed for their subsequent reconstruction and rehabilitation.

The opportunity to apply our foundations in trauma, dentoalveolar, and anesthesia is also abundant. There is a sharing of ideas amongst the faculty and residents with regards to our specialty. The similarities and differences of our profession are discussed and as a result learning becomes a two way street.

Our title here is honorary specialist registrar and we are given the honor and respect that goes with it. We have ample opportunities to care for the patients on the ward and to directly participate in the operating room with the consultant surgeons.

There are various clinics each week in trauma, head and neck oncology, orthognathics and orthodontics that we participate in with other specialty services. We are often asked to provide input as to our experiences in the United States.

There are several opportunities for seeing the beautiful countryside that defines Scotland. The living accommodations that are provided are across the street from the main hospital building and remind one of their days at university living in a dormitory style situation. I find them clean and appropriate.

Overall, this is a wonderful rotation for the senior OMFS resident. It truly helps us get a better grasp on how wonderful our specialty really is.

# 17<sup>th</sup>

## ANNUAL Daniel E. Waite Lectureship



*featuring*

**Dr. Andrew Herlich**  
*DMD, MD*

*Topic:*  
**Anesthesia and Pain Control**

**Saturday, April 14, 2007, 7:30 am - 4:00 pm**

Dr. Herlich was recently appointed to his current position with the longest standing residency in anesthesiology in Pittsburgh. The current position includes clinical appointments at the University of Pittsburgh School of Medicine, Dental Medicine, and Thomas Jefferson University School of Medicine. He was most recently Professor of Anesthesiology, Otolaryngology, and Pediatrics as well as Medical Director of the Patient Safety and Human Simulation Institute at Temple University School of Medicine. He was the American Society of Anesthesiology's Liaison to the American Dental Association from 1997-2006. He has lectured throughout the United States at both society meetings as well as visiting professorships. He was last years Chalmers Lyons Academy Lecturer. He was the only anesthesiologist to ever be elected to the American Bronchoesophageal Association which is a 100 year old society of head and neck surgeons. As a resident, he was awarded the Robert Dunning Drips Award for outstanding resident. He is the author of over 50 publications, recipient of 2 NIH grants, and winner to several teaching awards. Last year, he was elected to the Fellowship in the American Academy of Pediatrics Special Section on Anesthesiology.

**University of Minnesota Education and Conference Center, St. Paul Campus 1890 Buford Ave, St. Paul, MN**  
**Directions: <http://www.cce.umn.edu/conference-center/directions.html>**

***hosted by***

The Minnesota Society of Oral & Maxillofacial Surgeons  
The University of Minnesota Division of Oral & Maxillofacial Surgery  
The Daniel E. Waite Endowment, UM Foundation

### UNIVERSITY OF MINNESOTA

**OMS  
Bulletin**

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