

The Practicing Academic

The Department of Periodontics and Allied Dental Programs
(DPADP)



“The New Year Issue”



Chairman's Corner:

The AAP Meeting

The AAP Meeting this year was held in Miami Beach in November (12th-15th). It was a fun and educational meeting. Our

Department probably had one of its best showings ever. This was evidenced by Dr. Sivaraman Prakasam winning the Orban Prize and Dr. Hancock being awarded the ‘Outstanding Educator Award’. In addition, Dr. Steven Blanchard continued his service on the ABP and completed his term on the Education Committee. Finally, I took over as the Head of the Education Committee as well had the opportunity to make a presentation on the topic of ‘Clinical Calibration’ at the Pre-Doctoral Directors Workshop. As one of the Graduate Directors from the West Coast told me, ‘IU’s stock is up at this meeting’. I concur. IU’s stock was way up at the meeting, way up. I do not think this was just a chance happening. We have been emphasizing the need for more visibility for all of us on the faculty in the Department. I strongly feel that the message is getting through. Our Department has had its challenges for the past 4 years, which you are all aware, as I have made sure to inform all of you of what has been happening. However, we are now stabilizing and have a core of younger faculty in Dr. Ramos and Dr. Prakasam and in more seasoned faculty in Dr. Blanchard and myself. In addition, we have a lot of experience in our Part-Time faculty members who do a fantastic job in educating our Pre-Doctoral students and our Residents. Once we complete our search for the new Pre-

January

2012

Doctoral Director and have the person in place, I see a lot of potential for our Department. We are continuing to make focused decisions that address both short-term and long term issues that we face and will continue to face in academia.

In this regard, I had the chance to chat with Dr. Saba Khan (MSD 2005) while in Miami. Dr. Khan is now the Graduate Director at UIC. We talked about trying to develop some joint opportunities between our residency programs. We will continue to talk about the idea and see if we can develop a symbiotic relationship that is beneficial to both our programs. We spoke to one of the exhibitors at the meeting about some of the ideas that we had. There was a lot of interest in having residents from both programs present cases at a joint session and have the cases reviewed by an external examiner. We hope to see what comes of this discussion as it could lead to bigger and better things.

Alumni Meeting

We had a really wonderful meeting of the IU Periodontics Alumni Association (IUPAA). It was extremely well attended with approximately 80 people who were present. It was a chance to catch up with so many of our alumni. Dean Williams honored us by coming down just to attend the meeting. This was a very positive gesture by Dean Williams and I know the alumni really enjoyed getting to meet our new Dean. Thank you, Dean Williams, for your support of the Alumni Association. In addition, John Hoffman, our Development Director also came down to attend the meeting. The IUPAA helped offset \$300 of the travel costs per resident to attend the meeting. I am hoping that

at next year's meeting, this amount will be increased. This was the first time that the residents have received some funds to attend the annual meeting. We also kicked off the O'Leary-Hancock Professorship at the meeting. We hope to be able to raise the \$600,000 that is required to have the Professorship in place. This will allow us to use some of the monies raised for multiple purposes in the Department. The paragraph below about the Professorship is taken from the previous issue of the newsletter. I am leaving it in intentionally again for your information.

The O'Leary/Hancock Professorship

We have been extremely fortunate at IUSD that we have had three of the giants of Periodontics serve as the Chairman of our Department for most of its existence. From this group, Dr. Tim O' Leary and Dr. Brady Hancock have been involved with educating a substantial majority of our alumni. It would thus be only fitting that we honor them by creating the O'Leary/Hancock Professorship which will serve to enhance the reputation of the Department and allow us to recruit faculty for the future. We have benefited by standing on the shoulders of these two esteemed professors in the field. Let us show our appreciation by enthusiastically supporting the O'Leary/Hancock professorship. This will help to establish the lasting legacy that Dr. O'Leary and Dr. Hancock deserve. As John Hoffman wrote in the previous issue,

"This professorship will be utilized to help support a full time faculty position. More importantly, it will establish a permanent funding resource for the periodontics department to maintain valuable faculty to enhance its continuing educational mission. It also is an awesome way to acknowledge and thank Drs. O'Leary and Hancock for their years of dedication and commitment to the Graduate Periodontics program and your personal success as a practitioner.

To endow a professorship at IUSD, a total of \$600,000 needs to be raised in order to fund the

professorship. Currently, \$100,000 has been committed to the cause, leaving only \$500,000 to be raised to endow the O'Leary/Hancock Professorship".

Our graduate clinics just received a fresh new coat of paint and general cleaning overall during the Christmas break. It looks brand new again. Continued thanks are extended to our alumni for their support of this major project that came to fruition in 2008.

This issue of our newsletter is titled the "The New Year Issue". A New Year always brings with it the opportunity for renewal and re-dedication to a cause or a purpose. I think it is important that we all rededicate ourselves to the purpose of what we do, which at the School and in the Department, is teaching our students, treating our patients, providing service and conducting research to enhance our profession and being good stewards of all that IUSD and our Department symbolize.

In this issue, we have an article by Seok Jin Kim regarding his decision to leave the confines of IUSD and what led to his move to Korea and start his business. Nouf Al-Shibani (MSD 2007) writes about her experiences at IUSD having completed her MSD and then almost being done with her PhD. In addition, I write about my experiences working on some of the animals at the Zoo. I hope I get to continue having some of these opportunities in the future. In addition, we feature Steve Blanchard and Siva Prakasam in our Faculty Profile. I know you will enjoy reading these articles and all the other information included in the newsletter.

**Memories from the IUPAA-
November 14th, Eden Roc Hotel,
Miami Beach, FL**



Dr. Beena Deshmukh and Dr. Ana Gossweiler register while Dr. Michael Gossweiler and Dr. Chu discuss matters of grave importance. Also pictured Dr. Ravi Deshmukh MD and Karen Jones



Dr. Gaydos, Dr. Reef, Dr. Khleif, Dr. Hakki, Dr. A and M. Gossweiler and Dr. Deshmukh



Dr. Bhola, Dr. Cook, Mrs. Cook and Dr. Reef



Dr. Funakoshi, Dr. Makkatill and Dr. Hassan



Dr. Prakasam, Dr. Chu and Dr. Yeom



Dr. and Mrs. Kepic and Dr. Bennett



Mrs. Hancock and Dr. Ramos



Dean Williams was very kind to grace the occasion

My Journey with Bacteria Seok Jin Kim, DDS, MSD



It has been two years since I left Indiana. I had spent 5 years of my life at IUSD as a student and 10 years as a faculty. The reason for my departure was to start a probiotics company in Korea. To most people, my decision to end my dental career was too abrupt. And even today I still have to deal with this question; 'WHY DID YOU?'

Dr. John asked me to share my story with graduate students. I don't know if the story of a man who took a different path after years of career as a periodontist will be of any help to aspiring periodontists. But I think it is at least a good opportunity for me to say hi to my colleagues and to keep everyone informed about what I've been doing now these days.

My journey at IUSD goes back to Fall of 1994. I was a student who just started the advanced standing program (Pre-doctoral program for the foreign trained dentists). One day, I was sitting in Dr. Gray's class. He started his lecture by saying 'periodontal disease is an infectious disease'. Of course, it wasn't the first time for me to hear this because I was a dentist already. But it was the day I finally took this simple statement from my heart, and it made me to realize how little I knew about the infection. I knew right away that I want to specialize in Periodontics.

After the graduate program, I joined IUSD as a faculty. As my understanding in Bacteriology grew, I started to realize that there are more good bacteria than bad bacteria in the world. We

actually need bacteria for health. Good bacteria are essential constituent of healthy body. One day, I came across a paper which changed my life. It was an article about 'hygiene hypotheses'.

Development of drugs such as antibiotics and improvement of hygiene have decreased the incidence of infectious diseases during last century. However, the incidence of immunologic diseases has increased during the same time. According to 'Hygiene Hypothesis', the increase of immunologic disorders such as allergy is related to reduced exposure to microbes at an early age as a result of environmental changes in the industrialized world.

I realized that my view looking at the bacteria as enemy was only half right. Actually, I was doing harm by destroying good commensal bacteria whenever I prescribed antibiotics to patients. Emergence of antibiotics resistant bacteria is not the only problem associated with overuse and misuse of antibiotics. Human gut flora has changed during last 50 years. In our body, the number of good bacteria has decreased and the number of bad bacteria has increased.

I became interested in Probiotics. Idea of fighting with good bacteria instead of fighting against bad bacteria was fascinating. It wasn't merely a concept. There has been significant scientific advancement in this field. Now probiotics are widely utilized in the medical field from GI problems (i.e. diarrhea) to immunologic disorders (i.e. atopic dermatitis). I came back to Korea to start a company specialized in the research and business in probiotics. Based on probiotics technology, we have finished a couple of clinical trials successfully including the oral application using experimental gingivitis model, the reduction of side effects associated with TNF- α antibody therapy in Crohn's patients and the reduction of complications on dialysis patients.

It was BACTERIA which made me to study Periodontics. It also was BACTERIA which made me to go for the Probiotics. This is the answer I give to people who ask me 'Aren't you a dentist? why are you doing probiotics

business?' I also tell them, 'I have been doing the same thing all along; just trying to get to know bacteria'.

Dr. Nouf Al-Shibani, DDS, MSD, (PhD)



I came to the United States in 2004 to pursue a Residency in Periodontics. Coming from the far end of the world (Saudi Arabia), I thought it would be difficult for me to adjust. Not only was there an extreme difference in the climate (I come from a land where the temperature in the summer can reach a level where you can probably fry an egg with just a pan in the backyard), but also there were the language barrier and the cultural differences. I came to the States worrying about how I'll blend in, but all the smiling, friendliness, and the widely celebrated "Have a nice day" made me very comfortable in interacting with the new culture.

My first and only plan when I joined the Program was to graduate and go back home where I can open my private practice. My husband Nawaf was also a graduate student at the Prosthodontic Department. So it can't conceivably get any better; I'll place the implants and he'll restore them, and we'll live happily ever after.

In my second year through the Program, Dr. Blanchard began to ask us about which

areas we are interested in for our research projects. Thus I sat with him and I had no clue where I wanted to work and in what area. He kindly suggested that I contact Dr. Windsor and told me he might have different Master projects that I could get involved with. At that time, all I wanted to do was begin ANY project and finish it on time.

I began my Master Project on matrix metalloproteinases (MMPs) and collagen degradation. For me, it was fascinating to work with such minute molecules that would have a tremendous impact on the destruction of the connective tissue. I began reading more and more about how these MMPS work, how they are activated and how they get inhibited. It was really exciting for me to work with them and I got interested in pursuing a Ph.D. Degree too.

Beside the fact that the Ph.D. stands for (Please hire. Desperate!!!), and most possibly whoever dares explore its grounds will suffer from (Permanent head Damage!!!), I know that this Ph.D. will have a tremendous impact on my career. I have taken a lecturer position at King Saud University in the Periodontic Department where research will be one of the major pursuits there. I believe that this combination of Clinical and Academic training is the ideal one for a high level development of well - designed research. The background of a clinician will always help me in implementing research that could be helpful from a clinical point of view, while my Ph.D. degree can help me to critically evaluate published work and act independently in designing research projects.

Not only did I work with MMPs and human gingival fibroblasts, but Dr. Windsor gave me the chance to work with epithelial cells, osteoblasts and neutrophils. My Ph.D. Project is mainly on the reactive oxygen species production from neutrophils after stimulating it

with smoke components. I am also working in projects with the Dental Material Lab concerning a periodontal membrane they are developing. The diversity of these projects has helped me in gaining different and valuable methodological skills that will help me begin my own research line when I go back home.

For my children (Tala and Talal ,8 and 2 years), this is Home. This is where they grew up with their friends, their neighbors, their schools and daycares. When we return to our homeland, I'm pretty sure that it will take them a while to adjust to their new environment and eventually they will be having fun with their new friends while they enjoy the taste of Sun - fried eggs in the back yard.

While I wait in these next months, Patiently hoping for a Degree, I can't but feel sad that within these few months I will be leaving Indy. It has been an incredible span of eight years that will never be forgotten. The Periodontic Department has always been supportive and loving including all the faculty and staff. One thing is for sure; I will always be proud to be an IUSD graduate.

A Trip to the Zoo **Vanchit John**



For most of us a trip to the zoo brings back memories of childhood running around looking at all the animals and being excited. However

not many of us stop and wonder what happens when the animals in the zoo have a toothache. Who takes care of them? Well here at IUSD, we have Dr. George Willis, Associate Dean for Clinics, who is one of the leading authorities in the World on zoo dental care. George has been the Dentist for the Indianapolis Zoo for over 30 years now. He has worked on elephants, tigers, sharks to name a few of the zoos occupants to date.

I am fortunate that I have had two opportunities so far to be involved with providing dental care for the zoo animals. When George first asked me if I would come and help I was a bit skeptical, however, after a few seconds, I said 'sure'. I did not want to let him change his mind.

The Red Panda

The **red panda** (*Ailurus fulgens*, or *shining-cat*), is a small arboreal mammal native to the eastern Himalayas and southwestern China. It is the only species of the genus *Ailurus*. Slightly larger than a domestic cat, it has reddish-brown fur, a long, shaggy tail, and a waddling gait due to its shorter front legs. It feeds mainly on bamboo, but is omnivorous and may also eat eggs, birds, insects, and small mammals. It is a solitary animal, mainly active from dusk to dawn, and is largely sedentary during the day-
From Wikipedia



Nyeelah

My first zoo dental experience was working on 'Nyeelah' the Red Panda. Pandas eat a lot of bamboo shoots and they tend to get bamboo

stuck between their teeth which can lead to interproximal bone loss if they don't get it out through mastication. Not sure I want to teach a panda how to floss. Anyway, Nyeelah was having a hard time as she had developed interproximal bone loss between her posterior teeth and was accordingly not feeding like she should. This can be fatal for these animals. We were provided with radiographic images of her dentition which showed evidence of periodontal disease and presence of bone loss. The Zoo was keen to use its new imaging technology.





So I took our surgical set-up from the school along with suture material if needed and some collaplug. She had to have general anesthesia as I was not sure that my 'voice modulation' skills were going to be adequate. Some of the attached picture will show the surgical field.



I extracted the villainous teeth, placed collaplug in the socket and sutured up the sites with 4'0 chromic gut. I wondered briefly about the possibility of a reaction to these materials. However the healing was uneventful, though Dr. Willis saw her another time to remove some bony sequestrum. Our last report from the Zoo was that the Red Panda was eating like a pig again.

Louise- The Meerkat

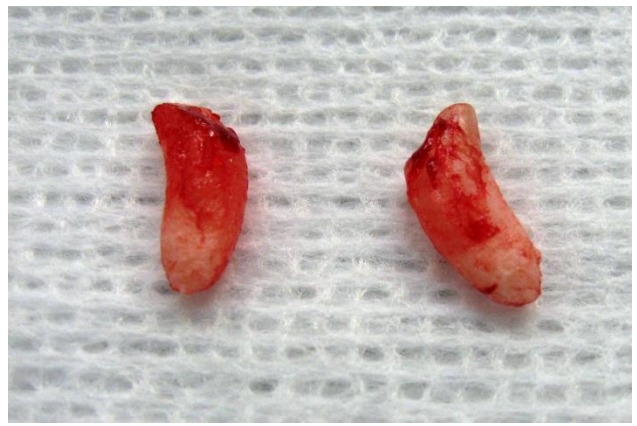
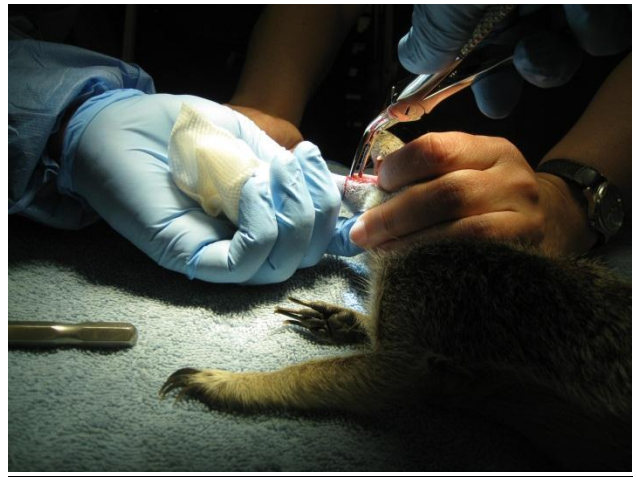
Now that I had proved myself to George, a second invitation to accompany him to the Zoo came along. This time Louise the Meerkat was having tooth problems.

The **meerkat** or **suricate**, *Suricata suricatta*, is a small mammal belonging to the mongoose

family. Meerkats live in all parts of the Kalahari Desert in Botswana, in much of the Namib Desert in Namibia and southwestern Angola, and in South Africa. A group of meerkats is called a "mob", "gang" or "clan". A meerkat clan often contains about 20 meerkats, but some super-families have 50 or more members. Meerkats have an average life span of 12–14 years-*From Wikipedia*



It took a while to get her intubated as she had a very narrow trachea. However once this was accomplished, we went ahead with the procedure. This involved the removal of her 2 lower canine teeth which had become carious and were giving her pain. Again, an outcome of this was poor feeding. This can be fatal to the animals. I guess we do not think about this when it comes to animals in general.



Louise recovered well following the procedure and the report is that she is doing well. Well those of have been my two zoo dental experiences to date. I cannot wait to get the next call from George asking me if I am free to come along with him as we continue the 'wild and crazy adventures of Willis and John'.

Department Recognitions

Candidates Successful in Completing Part-1 of the Board

The following graduates successfully completed Part-1 of the American Board of Periodontology. This list includes every one of the recently graduated Class of 2011 and Dr. Nouf Al-Shibani who graduated in 2007. Congratulations to all the candidates. Congratulations to Dr. Blanchard and all the faculty who help train our residents to be the best they can. Keep up the good work.

Nouf Al-Shibani (2007)
Janice Kaeley (2011)
Seung-Jun (John) Lee (2011)
Erez Nosrati (2011)
Vikas Puri (2011)
Samira Toloue (2011)

Ovarian Cancer Walk/Run



On Saturday, September 24, 2011, staff, faculty, students and former students at IUSD and family and friends of Prof. Elizabeth Hughes gathered in downtown Indianapolis for the 13th Annual Run and Walk in the fight against ovarian cancer. "The Queen's Team" had 115 members registered! We are proud to be, for the third year in a row, the largest team!

Elizabeth was an exceptional person and handled her "unfortunate diagnosis" (her words) with grace and humor. She also was adamant about finding a cure for this horrible disease. In her memory we are trying to do our part to raise funds for research and to bring awareness of the disease. **Our team was one of the Top Fundraisers for the 2011 Run & Walk!** Congratulations to Sheri Alderson and

everyone who worked so hard on this. Elizabeth, we love you and we miss you. We will keep your memory alive.



Sivaraman Prakasam

PERIODONTICS PROFESSOR WINS HIGHLY REGARDED PRIZE IN HIS SPECIALTY. As we reported last month, periodontics professor Dr. **Sivaraman Prakasam** was heading off to Miami Beach, Fla., as one of eight national finalists in the American Academy of Periodontology's Balint Orban Memorial Competition for students and recent graduates of periodontics graduate and postgraduate programs. We're delighted to report that he returned home to Indy with one of the two prizes awarded by the academy – as one of four finalists in the clinical research category, Dr. Prakasam won \$500 for his presentation titled "Profile of Salivary Biomarkers in Chronic Periodontitis and Changes in Response to Scaling and Root Planing."

Dr. Prakasam joined the IU faculty after graduating from IU's periodontics program in 2010. He also holds a dental degree from Tamil Nadu Dr. M.G.R. Medical University, Chennai, India; and a PhD in oral biology and pathology from the State University of New York at Stony Brook.

"This is wonderful recognition for Siva," says Dr. **Vanchit John**, chair of Periodontics and Allied Dental Programs. "Siva is the first IU perio grad to win this award. It speaks volumes for what we do at IUSD."



Eric Westergard

DENTAL STUDENT EARNS A PROMINENT NATIONAL SPOT IN THE PROFESSIONAL LITERATURE.

Lots of seasoned professors can tell you about the thrill they felt the first time their name appeared as the primary author of a research article published in a prominent journal. It's a rite of passage in the career of academic scholars – and an achievement few experience when they are still in dental school. That's why we are extremely proud to tell you that fourth-year dental student **Eric Westergard** is now the published author of a research article appearing in the November 2011 issue of one of the world's leading dental journals – the *Journal of the American Dental Association*. Eric is the first author of "Controlling Bacterial Contamination of Dental Impression Guns." His co-

authors are Dr. **Laura Romito**, Oral Biology; **Dr.**

Michael Kowolik, Periodontics and Allied Dental Programs; and Dr. **Charles Palenik**, the school's former director of Infection Control Research and Services, now retired, and current director of the national Organization for Safety, Asepsis, and Prevention. Eric's research is timely, since bacteria such as methicillin-resistant *Staphylococcus aureus* – better known to the general public as MRSA – have become of increasing concern throughout society, including the dental profession. Looking specifically at the contamination of dental impression guns during clinical use, Eric and his research team found that these dispensing guns had their highest reduction in contamination -- 95% -- through steam sterilization followed by the use of plastic gun covers and disinfection. You can read the full text of the article at this site:

<http://jada.ada.org/content/142/11/1269>.

Congratulations on your research and JADA publication, Eric – may you have many more in your career!

Reprinted from 'IUSD Coming Up'

Papers Published

1. **Responses of Human Neutrophils to Nicotine and/or *Porphyromonas gingivalis***, Nouf K. Al-Shibani,^{*} Nawaf Y. Labban, **Michael J. Kowolik**,[†] John D. Ruby, and L. Jack Windsor

Our Graduating Class of 2011



Jerry Chang (VA), Janice Kaeley, Erez Nosrati, Samira Toloue, Seung-Jun (John) Lee, Vikas Puri. Faculty in the picture are; Dr. John, Dr. Barco, Dr. Kowolik, Dr. Blanchard and Dr. Prakasam.

Faculty Feature Section

We are featuring *Drs. Steven Blanchard and Sivaraman Prakasam* in our *Faculty Feature Section*.

Faculty Member Profile- Steven Blanchard



1. Brief education background

. Pre-doc education Marquette University
Dental school—University of Michigan
Graduate education—Wilford Hall
USAF Med Ctr, San Antonio, TX

2. Position in the Department

Director—Graduate Periodontics

3. Family

- a. Married to my best friend, Jane for 33yrs
- b. 3 children—Mike (30), Brian (27), Sarah (25)
- c.

4. Things you did in school/college that you wish you never did.

- a. I left school property at lunch to go look for salamanders when I was in the 3rd grade—had to answer to Sister Alphonsine the next day.

5. Things you did not do in school/college that you wish you did.

- a. I wish I took better advantage of the cultural/social opportunities available while I was in college

6. Your hobbies.

- a. Outdoor activities, craft brewing when I have the time

7. Hidden talents.

Probably none

8. What would you have become (professionally/personally) had you not gone into dentistry

- a. Probably engineering or the monastic life

9. Pet Peeves

- a. Lack of commitment or professionalism—do it right or don't do it at all

10. Like/Dislikes

- a. Likes—interacting with/helping people

- b. Dislikes—talking on the phone

Sivaraman Prakasam



1. Brief education background.

Bachelors of Dental Surgery, the Tamil Nadu Dr. M.G.R., Medical University Chennai, Tamilnadu, India

Masters of Science in Dentistry, Indiana University School of Dentistry, Indianapolis, IN

Certificate in Periodontics, Indiana University School of Dentistry, Indianapolis, IN

Ph.D. in Oral Biology and Pathology, State University of New York, Stony Brook, NY

Diplomate American Board of Periodontology

2. Position in the department

Clinical Assistant Professor

3. Family

My wife and I live here in Indianapolis, IN. My two brothers and their family live in NJ and Michigan, The rest of the family including my parents and my wife's parents and her sister & family live in Chennai, India. Between my wife's sister and my brothers, we have five nephews and nieces.

4. Things you did in school/college that you wish you never did.

Asking my parents to stretch their thin resources to support my non-academic activities e.g. spring break type vacations! Where I come from, at that time we did not have the culture of part time work as students to earn spending money, your parents paid for everything. Thankfully, things are now changing back home.

That is the biggest thing I wish I never did. I am forever thankful to my parents for putting me through dental school and making sure that I did not have to want for anything.

5. Things you did not do in school/college that you wish you did.

I limited my extracurricular service activities in the name of focusing on my academics. Although, we did do limited dental screenings and such thing through lions and rotary clubs organized events, but looking at what IU dental students are doing e.g., international service learning, student run satellite clinics etc., makes me think I could have done a lot more back in college.

6. Your hobbies.

Reading, Music - especially classic rock, movies and travelling

7. Hidden talents.

Writing poems and essays. Used to be quite an active blogger, but since perio happened no time ☺

8. What would you have become (professionally/personally) had you not gone into dentistry/ dental hygiene/dental assisting

My back up plan when I was applying to dental school was to strive to become a part of the Indian Administrative service of the Government of India, which is a leadership group for the administrative wing of the Indian government.

Now I joke with my wife that, since I like to travel, I might have become a truck driver.

9. Pet Peeves

Selfish People, arrogant individuals and persons who lack basic human courtesies!

10. Like/Dislikes

Like science, making people happy, dislike fanaticism of any kind

Resident Case of the Month



Dr. Matthew Rowe, 2nd Year

A 30 year-old Asian female in good health (ASA I) presented to IUSD Graduate Periodontics Department as a referral from the IUSD Graduate Endodontics Department for consultation regarding an isolated 10mm probing depth on the buccal of tooth #14. The patient's chief complaint was, "I was flossing behind this tooth (#14) and it felt like something got lodged in there and then later it started to hurt. It has been bothering me the past 4 weeks." The patient's medical history was significant for seasonal allergies and alpha-thalassemia. The patient's blood pressure on the day of the initial exam was 118/82 mmHg RAS and pulse was 62 bpm RRR. The does not smoke or drink alcohol. The patient was not taking any medications at the time of the surgery nor did she have any known drug allergies.

The patient presented to IUSD Grad Endo Dept. on 9/15/11 after being seen in private practice for a localized deep probing defect on #14 buccal. Arestin was placed in the sulcus and the patient later had increased pain following Arestin therapy. When the IUSD Grad Endo Dept. examined the site, the defect had measured 10-11mm. A PA radiograph and CBCT were taken which revealed a widened PDL space and bone loss into the furcation. No root fracture could be seen. The diagnosis made in the IUSD Grad Endo Dept. was a lateral periodontal abscess with asymptomatic apical periodontitis. The patient requested a second opinion from the IUSD Grad Perio Dept. and was referred for evaluation. A decision was made to proceed with exploratory open-flap surgery to better visualize the defect and debride the root surfaces.

The pt. was anesthetized w/ 120mg Lidocaine w/ 60mcg epi via left PSA, MSA, and Greater Palatine injections. An intrasulcular incision extending from #15M to #13M was made. A full thickness mucoperiosteal envelope flap was raised on the buccal. Upon reflection of the flap, granulation tissue and calculus was removed from the furcation of #14 which had a 5mm horizontal component. A cervical enamel projection (CEP) was present in the furcation area which was removed using a finishing bur. Enameloplasty was also performed to blend the enamel on the buccal of #14 toward the furcation area. Emdogain was mixed with BioOss and was placed into the furcation area after treating the furcation with 24% EDTA (Prefgel) for 2 minutes. A resorbable (BioGide) membrane was placed over the graft and the flap was replaced using 5-0 (FS2) Vicryl sutures. The pt. was given 600mg Ibuprofen q 6 h prn pain for post op analgesia. The pt. was also placed on Amoxicillin 500mg, 21 tabs, TID until gone.

Initial Presentation



Flap Elevation



Full-thickness flap reflected. Note presence of calculus and granulation tissue within the furcation entrance

Intra-Op:



Granulation tissue curetted from furcation entrance. Note removal of CEP with finishing bur and blending of MB and DB root surfaces into the furcation entrance.

Following placement of BioOss w/ Emdogain, a BioGuide resorbable membrane was placed. The flap was replaced and secured with 5-0 vicryl sutures in an interrupted vertical mattress fashion.



New periodontal charting will be completed 6 months following the initial surgical date.



Suturing



2 Week Post-Operative: Sutures were removed. Soft tissue healing was uneventful and proceeded as expected. New periodontal probing will be completed at the 6 month evaluation.



Below is the 1 month Post-Operative: The patient was allowed to begin brushing with a soft bristled tooth brush and to use dental floss.



"The percentage of CEPs in the 78 individuals examined was 67.9%. The prevalence of CEPs in all molars examined was 45.2%. The prevalence of CEPs in molars with and without furcal involvements were 82.5% and 17.5%, respectively. The frequency of CEP in molars occurred in the following order: mandibular first molars, maxillary first molars, mandibular second molars and maxillary second molars." They also commented that the incidence of CEP's in Asians was nearly twice that as seen in Caucasians.

-Hou GL, and Tsai, CC. Relationship between periodontal furcation involvement and molar cervical enamel projections. J Periodontol. 1987 Oct; 58 (10): 715-21.

Where Are They Now?

Dr. Jane McCarthy



Dr. McCarthy spent a year in the Department from 1994-1995 as a Fellow. She says that her life has been very full and busy since she left IU. She has a son Angus born 2000 and a daughter Nina born 2002. She says that “The kids and I are very happy now and every year seems to go by so quickly. My life is full and busy and periodontics keeps the school fees paid up etc”. She also says that one day soon she will be back and catch up with us all. Her small practice website is:

www.applecrossperiodontics.com.au

We hope to see you soon Jane or as Jane says “maybe someone can come visit down under”

Dr. Hongmin Lai (MSD 1985)



Dear Dr. John,
Thank you very much for your efforts to keep us in touch with IU Perio.

I attended a meeting, in Hanoi, of health promotion for school children. That was my first visit to Vietnam. The country is beautiful and the meeting was fruitful. A Merry Christmas and Happy New Year to all of you

Upcoming Events

Department Skating Party-February 11th

Department Skating Party at the Pan Am Plaza ice skating rink. Practice your killer moves and come and dazzle us with your skills.

Emergency Drills

Jan-24th – Faculty- Review of the After Hours Emergency Protocol

February- 21st – Staff- Emergencies from a Staff Perspective

March- 27th – Testing Stations- Faculty

1. Oxygen Use- Kathy Thompson
2. Emergency Kit Evaluation- Dr. Steven Blanchard
3. Use of the Epipen- Dr. Liz Ramos
4. Use of the Glucometer- Dr. Stephen Towns

Calibration Sessions

1/17/12- Elizabeth Ramos

2/16/12- Siva Prakasam

3/16/12- Steven Blanchard- Graduate Clinic Protocol- Review



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