

The *Cutting Edge*

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NOVEMBER, 2017 EDITOR: DR. JOELLE STANGER FACULTY ADVISOR: DR. BINNAZ LEBLEBICIOGLU

Message from the Chair



**Angelo Mariotti, DDS, PhD,
Chair**

**Dentistry,
Technology,
and the PCR**

Who would have thought at the turn of the century the types of digital, information and mechanical technology used in dentistry today. There were no 3-D printers, twitter was not on anyone's mind and there were no iPhones to store all of your personal and professional data in 2000. As the residency program has moved through the 21st century, our didactic facilities have decayed in regard to digital technology. More specifically, when the Periodontal Conference Room (PCR) was created over 12 years ago, the room was esthetically pleasing to work in and technologically there was not a better place to be on the OSU campus. Although the PCR remains a beautiful room, the current technology in the room dates back to the late 20th century and is antiquated. Several Division faculty (both part-time and full time) have recognized digital images projected are not of diagnostic quality and this limitation has affected the education of the residents that present in the PCR. The bottom line is that we need to replace the old with new. In a recent meeting, the faculty approved a technology upgrade (recommended by Radiant Technologies) to move the Division into the new millennium. The cost of improvement will be \$10,917 and I would like to request your financial support to make this change possible. Any donation to the Division for the PCR improvement is tax deductible and will be greatly appreciated by the students. Arthur Schlesinger once said that "Science and technology revolutionize our lives, but memory, tradition and myth frame our response." Please help us to maintain the traditions of the residency program by revolutionizing their education with contemporary technology.

From the Editor

I am truly honored to be able to be the editor for this year's *The Cutting Edge*! One semester into my perio residency I am very thankful for all my fellow residents and staff for their support and kindness.

My congratulations to the Class of 2017— Dr. Allan Wattimena, Dr. Ross Gordon, and Dr. Ike Cheng. I wish you all the very best for all your future endeavors.

Our program continues to thrive by faculty and residents actively attending many meetings and conferences that are offered to the periodontal community. Recently Dr. Khaled Altabtbaei won the Orban Prize at the 2017 AAP Annual Meeting in Boston, MA. (See more awards on page 6) I am so happy to see OSU Perio continue to have great success!

I look forward to continuing my involvement with the Columbus perio community and our alums that are located around the world. Here's to another year of success for OSU Perio!

-Dr. Joelle Stanger

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Voice of the Director



Dimitris Tatakis, DDS, PhD

Dear Alumni and Friends,

As we approach this year's Holiday Season, I am happy to have again the opportunity to share with you the many good things that happened at our OSU Graduate Perio Program in the nine months since the last issue of the *Cutting Edge* went to press.

In late June we celebrated the graduation of the class of 2017. All three of our graduating residents successfully completed their clinical training, defended their MS thesis, and received their certificate. Dr. **Guo-Liang "Ike" Cheng** has returned to his native Taiwan, where he is pursuing private practice. Dr. **Allan Wattimena** and his family have moved to Seattle, WA, where he has joined a group periodontal practice. Dr. **Ross Gordon**, our 2016-2017 Chief Resident, has remained in Columbus and is pursuing private practice and also teaches part time at the College. Congratulations to the class of 2017!

Many other notable achievements by alumni, current residents, and other members of our Buckeye Periodontal family happened during the past 9 months. Drs. **Lamees Alssum** ('16), **Khaled Altabtbaei** ('16), **Monica Prasad Gibson** ('16) **W. Scott Lightfoot** ('04), and **Brian Roy** ('16) attained ABP Diplomate status this past May. Dr. **Gibson** also became a Fellow of the RCDC, after successfully completing the Canadian Periodontal Board process.

This past February, at the annual Midwest Society of Periodontology meeting in Chicago, Dr. **Altabtbaei** was a finalist at the Student Research Forum and received an Honorable Mention while Dr. **Sukirth Ganesan** ('18) placed first at the Poster Competition.

At the annual AAP meeting in Boston, the OSU research contributions were strongly recognized, continuing a tradition that is now more than a decade long: Dr. **Altabtbaei** won the **Balint Orban Memorial Award** in **Basic Sciences** for his oral presentation on "Generalized Aggressive Periodontitis: A Periodontal Chimera", Dr. **Ganesan** won the **Research Forum** Poster Session Award in **Clinical Science** for his poster on "Primed for Disease: Smoking and the Subgingival Microbiome", and Dr. **Yun Wang** won the **Research Forum** Poster Session Award in **Clinical Impact** for her poster on "Integrated miRNA and mRNA Expression Profiling to Identify Potential Therapeutic Targets for Gingival Wounds". Congratulations for the successes!!

In late June, we welcomed the newest members of our Perio family, the class of 2020: Dr. **Eswar Kandaswamy**, who is a Chennai native and a 2014 graduate of the Sri Ramachandra University (Chennai, India); Dr. **Vanessa Paramitha**, a Jakarta native and a 2014 graduate of Trisakti University (Jakarta, Indonesia); Dr. **Ioannis Pilalas**, who is a 2014 graduate of the Aristotle University of Thessaloniki, in his hometown (Thessaloniki, Greece); and Dr. **Joelle Stanger**, a Florida native and a 2017 graduate of the Lake Erie College of Osteopathic Medicine (LECOM) School of Dental Medicine in Bradenton, FL. At the annual Perio picnic, which took place in late August, it was wonderful to have many of you meet these future alumni.

Our second year residents, Drs. **Chris Brett**, **Anuja Doshi**, **Najla Kasabreh**, **Elizabeth Nesmith**, and **Wichurat Sakulpaptong**, continue their progress through the program and keep busy with their clinical and research activities. Dr. **Nesmith** just welcomed a new addition to her family and ours, a beautiful baby boy! Congratulations!

Our program was one of the 2017 recipients of a **Charles W. Finley Visiting Scholar Education Grant** by the **AAP Foundation**; Dr. **Charles Cobb**, Professor Emeritus, UMKC School of Dentistry, delivered the **Finley Lecture** at OSU, in early October. Dr. Cobb, well known to AAP members for his numerous publications on and expertise in laser therapy in



Cont. from page 2

Periodontics, spoke on “Lasers and the treatment of periodontitis”.

Recent graduates, and faculty mentors, have been actively pursuing publication of their research. Below is a selective list of recent articles from our residents, published in the last nine months:

Alssum L, Eubank TD, Roy S, Erdal BS, Yildiz VO, Tatakis DN, Leblebicioglu B. Gingival Perfusion and Tissue Biomarkers During Early Healing of Post-Extraction Regenerative Procedures: A Prospective Case Series. *J Periodontol.* 2017 Jun 23;1-18. doi: 10.1902/jop.2017.170117.

Ganesan SM, Joshi V, Fellows M, Dabdoub SM, Nagaraja HN, O'Donnell B, Deshpande NR, Kumar PS. A tale of two risks: smoking, diabetes and the subgingival microbiome. *ISME J.* 2017 May 23. doi: 10.1038/ismej.2017.73.

Shah SA, Ganesan SM, Varadharai S, Dabdoub SM, Walters JD, Kumar PS. The making of a miscreant: tobacco smoke and the creation of pathogen-rich biofilms. *NPJ Biofilms Microbiomes.* 2017 Oct 24. Doi: 10.1038/s41522-017-0033-2

I look forward to seeing all of you at the next Perio gathering, perhaps at the Midwest Perio meeting in Chicago this coming February.

With my warmest wishes for a Joyous Holiday Season and a Happy New Year!!

Dimitris Tatakis

PLEASE JOIN US
at the
2018 AAP Meeting
for the
“BUCKEYE RECEPTION”
Vancouver, BC
Location and Time TBD

Predoctoral Director's Report



Hua-Hong Chien, DDS, PhD

Greetings to alumni and families. I am excited to report that our pre-doctoral program stays strong and continues to offer high-quality periodontal education to our dental students. Our students keep up the good work on their National Board Dental Examinations (NBDE) part II (see below table). The scores of NBDE part II in periodontics from our students closely mirror how well they have been mentored and prepared by all periodontal faculty members. Below is the summary of their scores on NBDE Part II in Periodontics from 2012 to 2016.

NBDE Part II D-scores (1.0 = 1 standard deviation above the national mean)

	2012	2013	2014	2015	2016
Periodon-tics	0.95	1.85	1.65	1.93	1.21

Three awards for excellence in periodontics were given to the graduating dental students of 2017 and presented at the Senior Awards Ceremony in Fawcett Center on May 4th, 2017. The faculty members in the Division of Periodontology selected Dr. Kylen Hughes as the recipient for the American Academy of Periodontology Dental Student Award for Achievement in Periodontology, Dr. Nicole Gettings as the recipient for the Northeastern Society of Periodontists Senior Student Award and Dr. David Eldredge as the recipient for the Quintessence Award for Clinical Achievement in Periodontics.

As usual, we had five 4th year dental students from China Medical University in Taichung, Taiwan as visiting student externs from July 10th to 21st, 2017. During these two weeks, they were arranged to observe in the Comprehensive Care Clinics, Advance Prosthodontic Clinic, and Postgraduate Periodontology Clinic. This type of observership has been offered to dental students in China Medical University for eight consecutive years since 2010.

A 5-day continuing education course entitled "Advanced Education in Periodontology and Implant Dentistry" was hosted by the Division of Periodontology from July 31st to August 4th, 2017. This 5-day intense course includes in-depth and up-to-date lectures given by outstanding professors in College of Dentistry and shoulder-to-shoulder hands-on human head workshop. The lecture topics included implant case selection, pre-surgical radiographic assessments, surgical anatomy, surgical stent design and fabrication, digital workflow and provisional restoration in implant dentistry, contemporary periodontal plastic surgery, predictable soft tissue augmentation around dental implant, horizontal and vertical ridge augmentation, direct and indirect sinus augmentation, and a number of suturing techniques. A full day hands-on human head workshop was given after the lectures and all the participants practiced soft tissue grafting in the morning and hard tissue graft in the afternoon. This is our third time to offer a dental implant continuing education course to general dentists from Taiwan. A total of 29 dentists from Taiwan attended this course and completed the survey. We were delighted to have received very positive feedback from them.

Hua-Hong (Ben) Chien, DDS, PhD
Clinical Professor and Pre-doctoral Program Director

IN MEMORIAM

DR. PETER F. FEDI

FEBRUARY 16, 1924 - JUNE 1, 2004

Dr. Peter F. Fedi received his D.D.S. degree from the University of Pennsylvania and his Master of Science degree from The Ohio State University. Upon graduating from the University of Pennsylvania, Dr. Fedi worked as a general practitioner for five years until he was called to active duty in the U. S. Navy Dental Corp during the Korean Conflict. During his years of military service, his tour-of-duty stations included the U.S.S. Yorktown; Barbers Point, Hawaii; Long Beach, Calif.; Orlando, Fla.; and Bethesda Naval Dental School in Maryland.

He completed his naval career in 1972, retiring at the rank of captain. He then accepted the position of Rinehart Professor of Dentistry of the University of Missouri-Kansas City School of Dentistry. In addition to serving as Rinehart Professor, Dr. Fedi held numerous other positions at the school; chairman of the Department of Periodontics, acting assistant dean for Academic Affairs, director of Graduate Periodontics, director of Clinical Specialties, and director of Advanced Education Programs. At the time of his retirement, Dr. Fedi was serving as director of Predoctoral Periodontics and chairman of the Advanced Education Committee.

Dr. Fedi was a member of the American Dental Association, the American Academy of Periodontology, the American Association of Dental Schools, the Midwest Society of Periodontology and the Missouri Society of Periodontists.

He was a Diplomate of the American Board of Periodontology and a Fellow of the American College of Dentists. He had written many articles for dental publications on occlusion and periodontics. He also published a third textbook on periodontics for general practitioners and predoctoral and hygiene students. Dr. Fedi designed the Fedi Chisels, special instruments for periodontal surgery, and co-designed the "After 5" and "Mini 5" curettes.

He had presented over 1000 professional programs to local, state, national and international audiences. In 1985 he was honored with a visiting professorship at the Shanghai Second Medical College, where he presented lectures and seminars to dentists from various provinces in the People's Republic of China. He also had presented seminars in Takamatsu, Okayama and Nagano, Japan, at the Nippon Dental University in Tokyo, and the Kansei School of Dental Hygiene in Osaka, Japan. In addition, Dr. Fedi's travels had included presentations in various cities throughout Europe.

Recent Awards to Faculty and Students

Awards 2016—2017 Academic Year

Dr. Khaled Altabtbaei - Orban Prize (Clinical Science)
at the 2017 AAP Meeting

Dr. Sukirth Ganesan - ‘First Place’ in the Graduate Research
Forum Presentations at the 2017 AAP Meeting

Dr. Yun Wang, Faculty - AAP Foundation Fellowship to the Institute for
Teaching and Learning in the Health Professions
Volpe Basic Science Research Fellowship
2017 Annual Meeting Scholarship by Straumann
Research Forum Poster Session Award in Clinical Impact

Achievements

Congratulations to our New Diplomates

Dr. Lamees Alssum, ‘16

Dr. Khaled Altabtbaei, ‘16

Dr. Monica Gibson, ‘16

Dr. Brian Roy, ‘16

Congratulations to our New Canadian Fellows

Dr. Dimitris Tatakis, Faculty

Dr. Monica Gibson, ‘16



Class of 2016 Farewell Dinner!



*Delicious food at
Dr. Binnaz's house
celebrating the
graduating residents!*

*Perio family celebration at
Dr. Binnaz's.*





Dr. Tatakis talking with a prospective new resident!

Dr. Tatakis hosting a graduation dinner at his home.





Dinner with Dr. Chien, celebrating with the graduating third years and the incoming seniors!





Class of 2016!



Dr. Palermo receiving the Periodontal Achievement Award from Dr. Mariotti.

Class of 2016 !!

*The Class of 2016 with
OSU Division Faculty
and the Dean.*



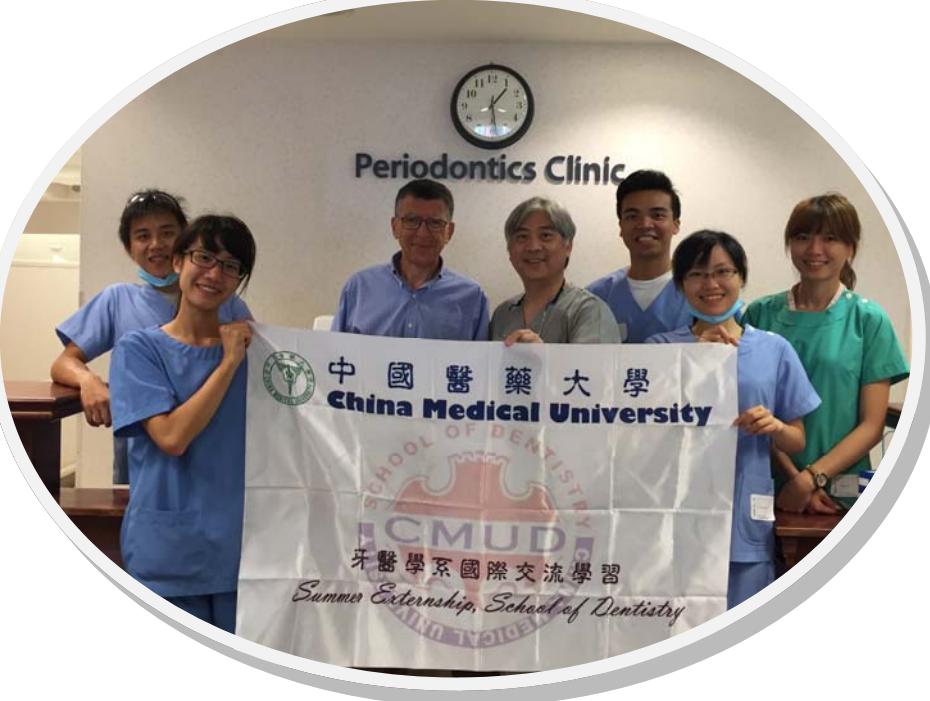
*Dr. Tatakis and the
OSU Periodontal
Residents.*





Visitors From Taiwan

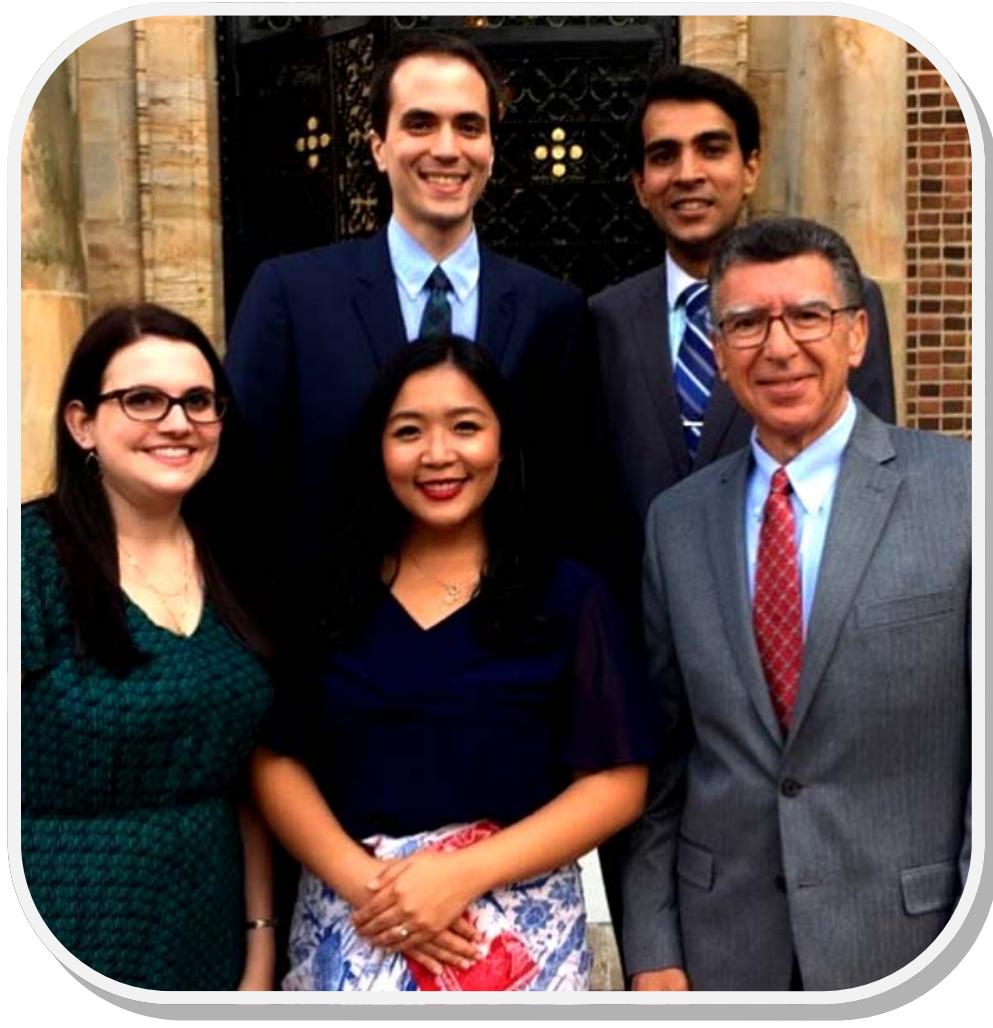
Taiwan CE Course
in July 2017.



Dr. Tatakis and
Dr. Chien with visiting
students from Taiwan.



New Graduate Students Reception (Class of 2020)



Class of 2020
Dr. Ioannis Pilalas
Dr. Eswar Kandaswamy
Dr. Joelle Stanger
Dr. Vanessa Paramitha



Residents keeping the tradition alive! Ping pong after the last day of interviews.



Residents on the plane going to the 2017 AAP meeting in Boston!

Dr. Wang receives 2017 AAP Awards



***2017 World Workshop on Classification of Periodontal
and Peri-implant Diseases and Conditions***

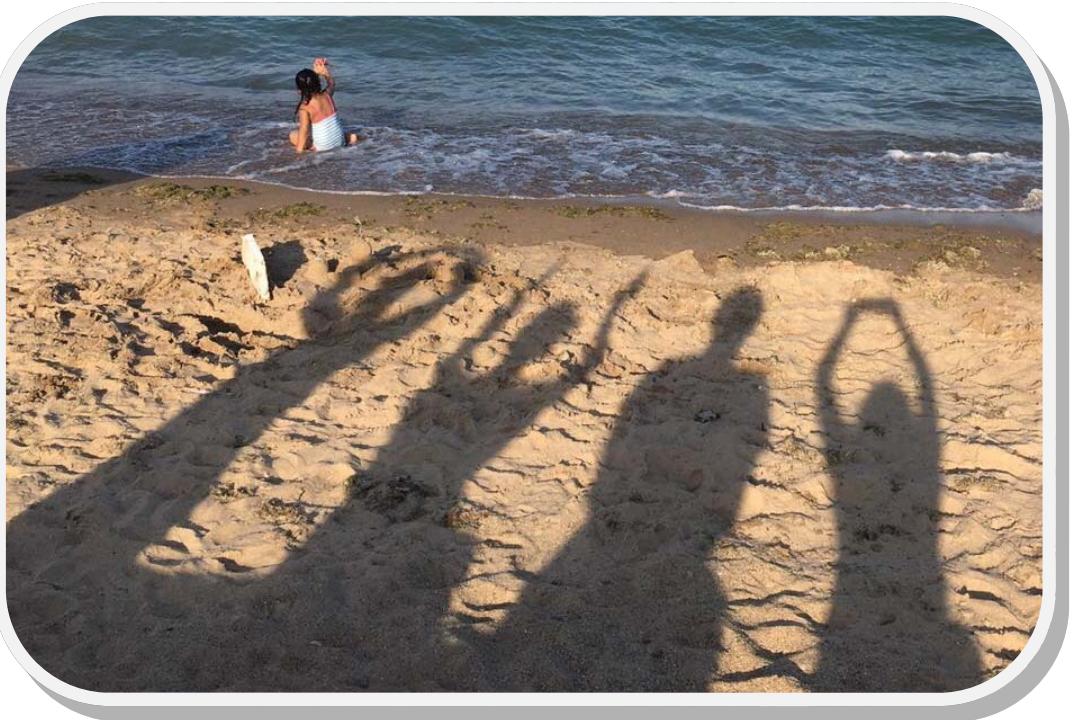


*Drs. Kumar and
Tatakis at the meeting.*

*Meeting attendees
smiling for the
photographer!*



GO BUCKS!!





Honor Roll of Giving

Gifts to the **Division of Periodontology** can be conferred to the following funds:

Endowed Chair for Periodontology: To help ensure the long-term health and stability of the Division of

Periodontology at The OSU College of Dentistry, alumni and friends of the division have established a campaign to raise \$1.5 million to create an Endowed Chair in Periodontology. For the division to not only retain outstanding faculty, but to also recruit new faculty to fill the open positions today and in the future, it must distinguish itself even further from the other periodontal programs across the country. One of the best ways to do this is through the establishment of an endowed chair. For more information on what an endowed chair is and does or to talk about your interest in supporting this campaign, please contact Ted Backus, Senior Director of Development, at (614) 292-9307.

The George R. App Periodontal Endowment Fund: Interest from the Endowment is used to support graduate student education and development with special interest in providing funds for travel to meetings by The Ohio State University periodontal graduate students.

Division of Periodontology Fund: This fund is used to support a wide variety of periodontal activities by the Division of Periodontology in the College of Dentistry. More specifically this fund is used for but not limited to the purchase equipment for the graduate program, support of alumni activities (e.g. the annual AAP Buckeye Reception, CE courses, mailings, etc.), endowment of graduate research projects, purchase of food for graduate student activities, etc.

The Lewis Claman Periodontal Endowment Fund: Interest from the Endowment will be used to support an award for OSU dental students who exhibit clinical excellence in periodontics. Special consideration will be given to students who want to choose a career in academic periodontics.

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It's Noteworthy

The Cutting Edge is available electronically! If you would like to receive it by email, please email us at osugradperio@osu.edu and let us know where you would like it delivered. It can also be accessed on the web:

We encourage all alumni of our program to visit The Division of Periodontology on the OSU College of Dentistry Website. The website has been recently updated and is very detailed.

1. The web address of the college is <http://dentistry.osu.edu>
2. Click on Academic Sections
3. Click on Periodontology and you will be on Periodontal Homepage

You can then navigate to the Division of Periodontology's History, Faculty, Staff, Predoctoral Program, Postdoctoral Program, Research, Service, Continuing Education, Alumni, and Patients.

To access current or past Cutting Edge issues:

1. Click on alumni
2. Click on The Cutting Edge
3. Click on any issue to open or download

The direct Web address for the Cutting Edge is: <http://go.osu.edu/perio-cuttingedge>