



SUMMER  
2020

# PROBE

THE SOUTHWEST SOCIETY OF PERIODONTISTS

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Summer 2020  
Meeting:

**July 24 – 26, 2020**

Hyatt Regency  
Hill Country  
Resort  
San Antonio, Texas

## PRESIDENT'S MESSAGE



Pilar Valderrama,  
DDS, MS.,  
2020 President

As I reflect about the most notable accomplishments of our Society during my time serving as President of the board, many things come to mind. I have been fortunate to work closely with a very

motivated board and outstanding committee members. Currently, our SWSP board composition represents almost all the states in the region and this brings new ideas and potential for growth. Some of our significant tasks accomplished are:

- We have introduced a corporate forum during our winter and summer meetings to provide our members additional continuing education supported by our sponsoring companies.
- We have recorded a video about the 2018 AAP EFP classification of Periodontal diseases and conditions which will be available online for our members on our website. The purpose is to help our members to incorporate the changes in their daily practice; to increase awareness among the dental community about these important changes and to give you an additional tool to reach out to the dental hygienists in your area.
- We have reached record numbers of submissions for the Prichard Prize research competition from the residents in the Graduate Programs in our region. We have changed

the scoring criteria to match the Orban's criteria to help our student members to have a better sense of the AAP competition.

- We are working on an awards fund with a mission of recognizing our members who have excelled in areas of service, education and research in our region. This project will be pursued with the support of the AAP Foundation.
- We continue to provide high quality, continuing education for our members by selecting our speakers based on the results of our surveys. This summer, we will have Dr. Frank Schwarz. Dr. Schwarz has an impressive curriculum and has among others, multiple publications in the topic of peri-implantitis. Peri-implantitis is a disease recently included in the AAP classification of diseases as a separate entity. Even though the prevalence and increased incidence of this condition has been demonstrated, successful and predictable treatments for this pathology have not been fully attained. Dr. Schwarz' presentation will focus on these relevant topics.

I can conclude that with the outstanding support of CMP Management on the administrative aspects and the continuous growth of our membership, our society will continue to lead our profession in the southwest region. Thank you for trusting and supporting me to lead your society. I look forward to seeing you all in San Antonio!

Dr. Pilar Valderrama  
President 2019-2020



# JOIN US

AT THE 2020 SWSP SUMMER MEETING

## JULY 24-26, 2020

HYATT REGENCY  
HILL COUNTRY RESORT & SPA  
SAN ANTONIO, TEXAS

CLICK HERE TO  
**REGISTER**  
**NOW**  
AND FOR MORE INFORMATION

The 2020 Summer Meeting will take place July 24 – 26, 2020 at the Hyatt Regency Hill Country Resort & Spa in San Antonio, TX. Dr. Frank Schwarz from the Department of Oral Surgery and Implantology at Carolinum, Goethe University Frankfurt will present via livestream on the topics of treatment concepts for the management of peri-implant disease and autogenous tooth roots for localized alveolar ridge augmentation.

**OFFICERS**  
President  
Dr. Pilar Valderrama

President-elect  
Dr. Kristi Soileau

Secretary  
Dr. Natalie Frost

Secretary-elect  
Dr. Takanari Miyamoto

Treasurer  
Dr. Matthew Steffer

Treasurer-elect  
Dr. Cuong Ha

Editor of the PROBE Newsletter  
Dr. Kayleigh Eaves Temple

**MEMBERS AT LARGE**  
2020-2022

Dr. Scott Bedicheck  
Fort Worth, Texas (2021)

Dr. Stacy Beltran (2020)  
Edinburg, Texas

Dr. Blaine Calahan (2022)  
Shreveport, Louisiana

Dr. Angela (Toula)  
Palaiologou-Gallis  
San Antonio, Texas (2022)

Dr. Edwin Sutherland  
Stillwater, Oklahoma (2021)

Dr. John Tunnell (2020)  
Dallas, Texas

**Save The Date**

2021 Winter Meeting

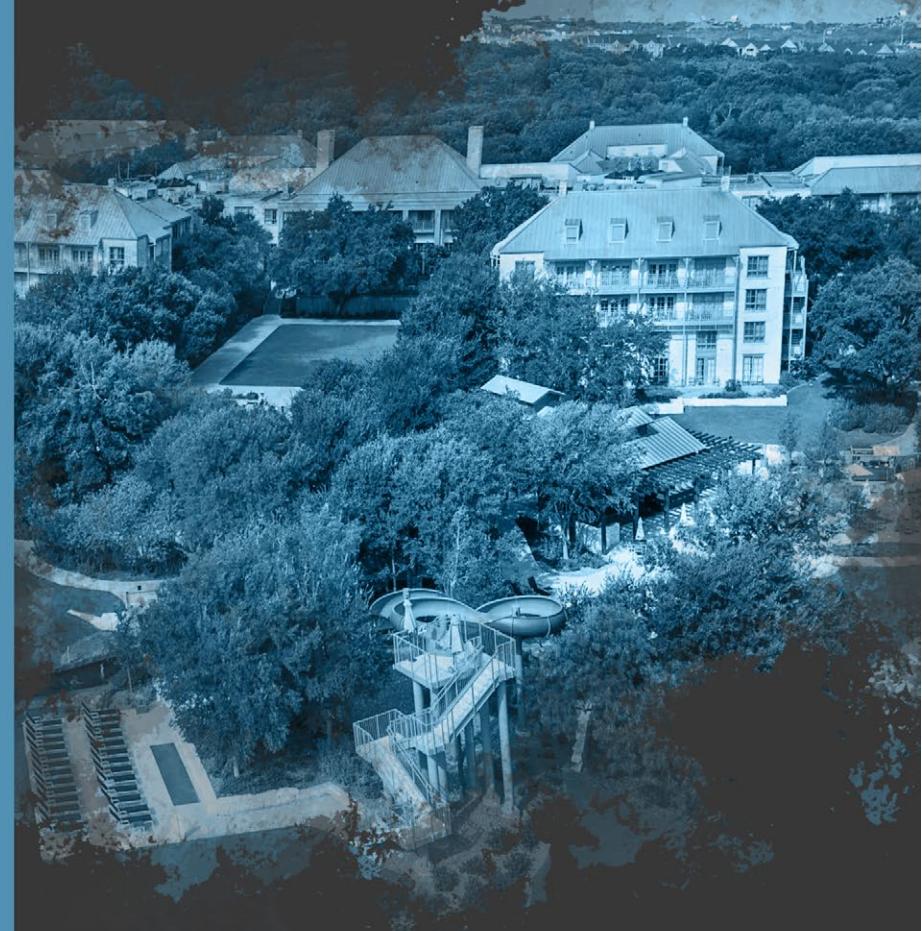
January 22 – 24, 2021

Dallas Marriott Las Colinas  
Irving, Texas

Visit [www.swsp.org](http://www.swsp.org) to stay  
updated on the details!



The beginning date listed for the meetings is the date preceding the opening day of the General Session. Registration and a welcome reception for ALL MEMBERS, as well as the Board of Directors meeting, are held on that date.



# 2020 SWSP SUMMER MEETING

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## REGISTRATION:

[www.swsp.org/2020-summer-meeting-registration](http://www.swsp.org/2020-summer-meeting-registration)

## AGENDA:

[www.swsp.org/2020-summer-meeting-agenda](http://www.swsp.org/2020-summer-meeting-agenda)

## HOTEL:

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## SPONSOR/EXHIBITOR INFORMATION:

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# 2020 SUMMER MEETING SPEAKER INFORMATION



## Speaker Biography:

Professor and Head of the Department of Oral Surgery and Implantology, Centre for Dentistry and Oral Medicine (Carolinum), Johann Wolfgang Goethe-University, Frankfurt, Germany

Frank Schwarz has a postgraduate degree in Oral Surgery and is Professor and Head of the Department of Oral Surgery and Implantology at the Centre for Dentistry and Oral Medicine (Carolinum), Johann Wolfgang Goethe-University Frankfurt, Germany. He serves as an Associate Editor for the Journal of Clinical Periodontology and Editorial Board Member for Clinical Oral Implants Research. He is the President of the German Association of Oral Implantology (DGI), a Board Member of the Osteology Foundation and was awarded the André Schröder Research Prize in 2007, the Miller Research Prize in 2012 and the Jan Lindhe Award in 2017.

Dr. Frank  
Schwarz, Prof.  
Dr. Med. Dent.

**SATURDAY LECTURE** – Teaching Method: Livestream Lecture

## Treatment Concepts for the Management of Peri-Implant Disease

### Presentation Abstract:

The management of infectious diseases affecting osseointegrated implants in function has become a demanding issue in implant dentistry. While nonsurgical therapy was effective in the treatment of mucositis lesions, for peri-implantitis, mechanical debridement alone has shown limited efficacy. Adjunctive measures (e.g. local antibiotics/ antiseptics, laser application) may be effective in arresting disease progression at initial sites; however, moderate to

advanced peri-implantitis lesions commonly require a surgical intervention. Previous studies have indicated that surgical treatment of peri-implantitis with concomitant placement of a bone filler is associated with clinical and radiographic improvements on both short- and long-term periods. However, the available evidence also suggests that the effectiveness of regenerative treatment approaches is influenced by several factors, such as the type and configuration of the defect, implant surface

characteristics, as well as the method of surface decontamination.

### Learning Objectives:

1. To understand the etiology and major risk indicators for peri-implant disease
2. To understand the limitations of nonsurgical treatment of peri-implantitis
3. To be able to select appropriate surgical techniques and materials for regenerative therapy of peri-implantitis associated defects

Disclosure of relevant financial relationships: None

**SUNDAY LECTURE** – Teaching Method: Livestream Lecture

## Autogenous Tooth Roots for Localized Alveolar Ridge Augmentation

### Presentation Abstract:

Preclinical and clinical data provide evidence that tooth roots reveal a structural and biological potential to serve as alternative autografts for localized ridge augmentation. In fact, dentin reveals a similar

anorganic and organic composition as bone, features osteoconductive as well as osteoinductive properties and also gets involved in the bone remodeling process. This presentation will elucidate this new biological concept and focus on

associated surgical procedures for current and future applications.

### Learning Objectives:

1. To understand the biological rational for using teeth as bone graft material
2. To understand various clinical indications for their application
3. To understand the step-by-step surgical procedures

Disclosure of relevant financial relationships: None

# 2020 SUMMER MEETING SCHEDULE OF EVENTS

## SCHEDULE OF EVENTS CLICK HERE TO ACCESS ONLINE

### FRIDAY, JULY 24, 2020

4:30 PM – 6:00 PM	Board of Directors Meeting
6:00 PM – 7:00 PM	Welcome Reception and Meeting Registration

### SATURDAY, JULY 25, 2020

7:00 AM – 8:00 AM	Exhibitor Set-Up
8:00 AM – 9:00 AM	Committee Meetings
8:00 AM	Meeting Registration and Breakfast
8:00 AM	Exhibits Open
9:00 AM – 10:30 AM	<b>GENERAL SCIENTIFIC SESSION BEGINS</b> Guest Speaker: Frank Schwarz, Prof. Dr. Med. Dent. <b>Treatment Concepts for the Management of Peri-Implant Disease</b>
10:30 AM – 11:00 AM	Break with Exhibitors
11:00 AM – 12:30 PM	<b>GENERAL SCIENTIFIC SESSION CONTINUES</b>
12:30 PM – 1:00 PM	Break with Exhibitors
1:00 PM – 2:00 PM	Luncheon and SWSP Member Business Meeting
3:00 PM – 4:00 PM	Lunch Provided for all Registrants and Exhibitors New Member and Resident Social

### SUNDAY, JULY 26, 2020

7:30 AM – 9:00 AM	Board of Directors Breakfast Meeting
8:00 AM	Meeting Registration and Breakfast
8:00 AM	Exhibits Open
9:00 AM – 10:30 AM	<b>GENERAL SCIENTIFIC SESSION BEGINS</b> Guest Speaker: Frank Schwarz, Prof. Dr. Med. Dent. <b>Autogenous Tooth Roots for Localized Alveolar Ridge Augmentation</b>
10:30 AM – 11:00 AM	Break with Exhibitors
11:00 AM – 12:30 PM	<b>GENERAL SCIENTIFIC SESSION CONCLUDES</b>

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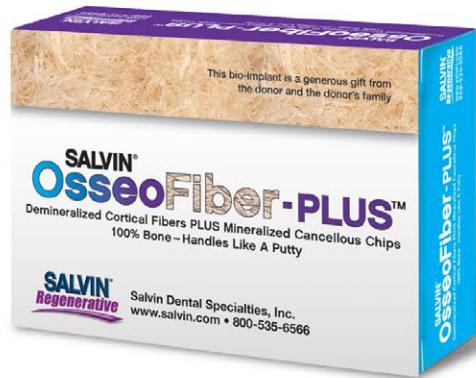
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	1.00 cc (0.5g)	#SALVINOSS-1.00	119.00	108.40	98.70
	2.50 cc (1.25g)	#SALVINOSS-2.50	219.00	198.50	178.60

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# THANK YOU TO OUR 2020 WINTER MEETING SPONSORS AND EXHIBITORS

Many thanks to the sponsors and exhibitors who supported the Southwest Society of Periodontists 2020 Winter Meeting. We look forward to welcoming you back to future SWSP meetings!

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**THANK YOU**  
to our 2020 Winter  
Meeting Speakers!

### Digital Dentistry: Digital Implant Workflow



**George D Pylant III, DDS**  
– Periodontists, Pylant Periodontics

### Innovations in Complex GBR Cases



**Robert J. Miller, DMD** –  
Periodontist, Miller & Korn  
Periodontics and Implant  
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### Total Jaw Reconstruction: An Evolution



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# SWSP 2019 WINTER MEETING WRAP-UP



PROBE

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# SWSP 2019 WINTER MEETING WRAP-UP



PROBE

# BUSINESS LUNCHEON MEETING MINUTES SOUTHWEST SOCIETY OF PERIODONTISTS

Saturday, January 25, 2020 – 1:00 pm – 2:00 pm

## I. CALL TO ORDER:

Dr. Pilar Valderrama called the meeting to order at 1:06 PM and thanked everyone for their attendance at the meeting.

## II. INVOCATION:

Dr. Valderrama delivered the invocation and thanked everyone for their service to the Society.

## III. MOMENT OF REMEMBRANCE:

Dr. Valderrama provided remarks about the passing of Dr. Cora Marsaw, Past President. Dr. Valderrama noted that Dr. Marsaw was a Master Plumber and a Master Electrician and she helped many students with scholarships and served her community in many other ways. Dr. Marsaw will be greatly missed by family, friends and colleagues. Dr. Valderrama asked everyone to join her in a moment of silence in memory of Dr. Marsaw.

## IV. PRESENTATION OF PRICHARD COMPETITION AWARDS:

Dr. Natalie Frost presented the Prichard Competition. Dr. Al Hugail was the winner in the Clinical Sciences Category. Dr. Saxon was the winner in the Basic Sciences Category. Dr. Frost thanked all the presenters and the judges for their support of and participation in the Prichard Competition.

## V. SPONSOR/EXHIBITOR RECOGNITION:

Dr. Jeff Pope thanked the Sponsors for their support of the Society and asked them to give an introduction for their company.

## VI. SECRETARY'S REPORT:

Dr. Natalie Frost

a. Approval of Minutes from the July 27, 2019 Business Meeting as published in the PROBE Newsletter.  
Dr. Natalie Frost moved approval of the minutes as presented in the PROBE. Dr. Brian Mealey seconded the motion. Motion passed.

## VII. TREASURER'S REPORT:

Dr. Matt Steffer – No report.

## VIII. CENTRAL OFFICE REPORT:

Dr. Dowell – No report.

## IX. PROBE EDITOR'S REPORT:

Dr. Kayleigh Eaves Temple – No report.

## X. WEBMASTER'S REPORT:

No report.

## XI. STANDING COMMITTEE REPORTS:

### a. ANNUAL MEETINGS COMMITTEE:

Dr. Shelby Nelson reported the Summer Meeting will be in San Antonio and Dr. Schwarz will be the speaker.

### b. BUDGET AND FINANCE COMMITTEE:

Dr. Cuong Ha – No report.

### c. NOMINATING COMMITTEE:

Dr. Kristi Soileau reported on the nominees for the Slate of Candidates for 2020-2021. The Slate of Candidates is as follows:

President-Elect – Dr. Natalie Frost  
Secretary-Elect – Dr. Matt Steffer  
Treasurer-Elect – Dr. Scott Bedichek  
Member at Large – 1 year term vacated by Dr. Bedichek will also need to be filled.  
Member at Large – Dr. Nicola Angelov  
(Term Expires in July 2023)

Member at Large – Dr. Jeffrey Pope  
(Term Expires in July 2023)

Dr. Dowell moved approval of the Slate of Candidates as presented. Dr. Bass seconded the motion.  
Motion passed.

### d. CENTRAL OFFICE COMMITTEE:

Dr. Eduardo Lorenzana - No report.

# BUSINESS LUNCHEON MEETING MINUTES SOUTHWEST SOCIETY OF PERIODONTISTS

Saturday, January 25, 2020 – 1:00 pm – 2:00 pm

## e. EXECUTIVE COMMITTEE:

Pilar Valderrama – No report.

## f. MEMBERSHIP COMMITTEE:

Debbie Peterson presented the new members for approval by the Society on behalf of Dr. Ha. Dr. Brian Mealey moved to accept the new memberships. Dr. Lasho seconded the motion. Motion passed.

## g. SCIENTIFIC AFFAIRS COMMITTEE:

Dr. Yong-Hee Chun – No report.

### i John F. Prichard Prize for Graduate

#### Research Subcommittee:

Dr. Natalie Frost – No report.

## h. STRATEGIC LONG-RANGE PLANNING COMMITTEE:

Dr. Scott Dowell – No report.

## i. GOVERNMENTAL AND REGULATORY

### AFFAIRS COMMITTEE:

Dr. John Dmytryk – No report.

## XII. AD HOC COMMITTEE REPORTS

### a. EXHIBITOR COMMITTEE:

Dr. Jeff Pope – No report.

### b. BY-LAWS, POLICIES & PROCEDURES :

Dr. Eduardo Lorenzana – No report.

## XIII. AAP TRUSTEE REPORT

Dr. Reeves reported on the activities of the AAP. Dr. Reeves noted sedation issues continue to be a concern and topic of discussion. Dr. Soileau thanked Dr. Reeves for his many years of service to the Society.

## XIV. AAP Candidate Introductions

Dr. John Ducar introduced himself and provided an overview of his credentials and background. Dr. Steve Meraw introduced himself and provided an overview of his credentials and background.

## XV. OLD BUSINESS

Dr. Radar provided some additional background related to the sedation issues referenced by Dr. Reeves. In November, the ADA will convene a meeting to develop a consensus about the issue. Dr. Radar encouraged everyone to provide him with any concerns related to these issues. Members asked questions related to specifics concerning inspections and suggested items that might be noted during an inspection.

## XVI. NEW BUSINESS

Dr. Matt Carlisle noted the New Member & Resident Social will be from 5:00 – 6:00 in the Lobby Bar.

## XVII. ADJOURNMENT

Dr. Dowell moved to adjourn the meeting.

Dr. Steve Britain seconded the motion. The meeting was adjourned at 1:57 PM.

## 2020 NOMINATING COMMITTEE REPORT

The Nominating Committee will put forward the following Slate of Candidates at the Summer Meeting for election by the SWSP Membership.

### OFFICERS:

1. President-Elect: Dr. Natalie Frost
2. Secretary: Dr. Takanari Miyamoto
3. Secretary -Elect: Dr. Matt Steffer
4. Treasurer: Dr. Cuong Ha
5. Treasurer-Elect: Dr. Scott Bedicheck

### BOARD MEMBERS AT LARGE:

6. Member at Large – Dr. Daniella Zambon
7. Member at Large – Dr. Nicola Angelov
8. Member at Large – Dr. Jeffrey Pope

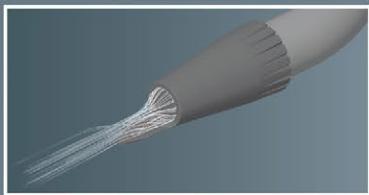
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## WELCOME NEW MEMBERS

Name	Organization	Location
Dr. Olanrewaju Meeks	OU Health Services	Oklahoma City, OK
Dr. Danielle Nici	University of Oklahoma Graduate Periodontics	Oklahoma City, OK
Dr. Marcy Watson		Austin, TX
Dr. Yu-Ting Yeh	Creighton University School of Dentistry	Omaha, NE
Dr. Huy Pham	UTSD	Houston, TX
Dr. Hyungjoo True Kim	United States Air Force	Lackland AFB, TX
Dr. Phillip Crum	Lousiana State University Graduate	Green Bay, WI
Dr. Seyedeh Abaei	Texas A&M College of Dentistry AEGD	Dallas, TX
Dr. Mattie Bertels	UNMC College of Dentistry	Lincoln, NE
Dr. David Wong		Longview, TX
Dr. Yen-Chun Wang	UT Health Science Center at Houston	Houston, TX
Dr. Junya Hamaguchi	UT Health Science Center at Houston	Houston, TX
Dr. Gary Chang	UT Health Science Center at Houston	Houston, TX
Dr. Andrew Dugum	UT Health Science Center at Houston	Houston, TX
Dr. Thomas Nguyen	UT Health Science Center at Houston	Houston, TX
Dr. Gabriella Balli	UT Health Science Center at Houston	Houston, TX
Dr. Jiman Nelson, DMD	UT Health Science Center at Houston	Houston, TX
Dr. Zhijian Chen	Dunhuang Perio	Houston, TX

STILL TIME TO  
RENEW YOUR  
MEMBERSHIP!



Membership Renewals are still being accepted for the 2020 Membership Year. We hope you'll take a few minutes and renew your membership as well as review your membership profile to be sure all of your information is still correct. SWSP is happy to provide your login credentials so you may access the renewal on the SWSP website. Simply contact us at [info@swsp.org](mailto:info@swsp.org) and we'll be glad to assist! Members receive discounted meeting registration rates as well as the PROBE Newsletter.

Update Your Contact Information!

If your contact information, including email address has changed, please notify the SWSP Central Office at [info@swsp.org](mailto:info@swsp.org) so that you will not miss out on SWSP information and reminders.

# John F. Prichard Prize for Graduate Research

## 2020 John F. Prichard Graduate Research Competition Great Success

[www.swsp.org/prichard-award](http://www.swsp.org/prichard-award)

The 2020 John F. Prichard Graduate Research Competition was an outstanding success once again. Fourteen abstracts were submitted from the University of Colorado, Air Force Postgraduate Dental School, Louisiana State University, Texas A & M College of Dentistry, University of Texas School of Dentistry at Houston, University of Oklahoma College of Dentistry, and UT Health San Antonio School of Dentistry.

Eleven judges, one for each residency program as well as three clinical judges, participated in the scoring of the abstracts. Based on this review, six abstracts were selected for oral presentation.

On January 24, 2020, nine judges heard oral presentations of the selected abstracts. The winner of the Prichard Competition in the Clinical Sciences Research Category was Dr. Arwa Al-Hugail from UT Health San Antonio. The winner of the Prichard Competition in the Basic Sciences Research Category was Dr. Matthew Saxon with the Texas A&M University College of Dentistry.

Congratulations to Dr. Al-Hugail and Dr. Saxon as well as to the other four presenters.

The awards were presented on January 25th during the SWSP Business Meeting. Procter & Gamble and Straumann were recognized for their support of the competition.

The 2020 competition once again demonstrated the exceptional research being conducted within the residency programs within the Society. The written abstracts and oral presentations were outstanding. Many thanks to the judges for their time and willingness to participate in this year's competition.

The purpose of the Prichard Award is to establish, maintain, and encourage participation in scientific presentations to fulfill the mission and goals of the Society and honor the memory of Dr. John F. Prichard. For anyone interested in participating, learn more about the guidelines for participation at <http://www.swsp.org/prichard-award-guidelines>.



# Past-Prichard Competition Award Winners

Dr. Thomas W. Mabry	LSU School of Dentistry	February 9, 1985
Dr. Jeffrey M. Snitzer	LSU School of Dentistry	February 8, 1986
Dr. Jon E. Piche'	UTHSCSA and Wilford Hall USAF Medical Center	February 7, 1987
Dr. Robert Sabatini	UTHSCSA and Wilford Hall USAF Medical Center	February 6, 1988
Dr. David E. Deas	UTHSCSA and Wilford Hall USAF Medical Center	February 4, 1989
Dr. Brian L. Mealey	UTHSCSA and Wilford Hall USAF Medical Center	February 17, 1990
Dr. Martha L. Garito	UTHSCSA and Wilford Hall USAF Medical Center	February 9, 1991
Dr. Karl Allen Smith	UTHSCSA and Wilford Hall USAF Medical Center	February 8, 1992
Dr. Dennis M. Anderson	UTHSCSA and Wilford Hall USAF Medical Center	February 6, 1993
Dr. Sarah D. Shih	Baylor College of Dentistry	February 5, 1994
Dr. Janet Y. Martin	UTHSCSA and Wilford Hall USAF Medical Center	February 11, 1995
Dr. William C. Stentz, Jr.	UTHSCSA and Wilford Hall USAF Medical Center	June 21 1996 for Feb. 3, 1996 (Feb. Meeting was Cancelled)
Dr. Michael P. Najera	Baylor College of Dentistry	February 1, 1997
Dr. Paul J. Ezzo	The University of Texas Health Science Center at San Antonio	February 7, 1998
Dr. Edward A. Shinedling	Baylor College of Dentistry Texas A&M University System	February 6, 1999
Dr. Theodore C. Weesner	The University of Texas Health Science Center at San Antonio	February 5, 2000
Dr. E. Todd Scheyer	The University of Texas Health Science Center at San Antonio	February 24, 2001
Dr. Michael McConnell Perry	Baylor College of Dentistry Texas A&M University System	February 9, 2002
Dr. Elizabeth M. Tandy	UTHSCSA and Wilford Hall USAF Medical Center	February 8, 2003
Dr. Edithann J. Graham	UTHSCSA and Wilford Hall USAF Medical Center	February 8, 2003
Dr. Dwight L. Johnson	UTHSCSA and Wilford Hall USAF Medical Center	February 5, 2005
Dr. Scott M. Dowell	The University of Texas Health Science Center at San Antonio	February 4, 2006
Dr. Scott Gruwell	UTHSCSA and Wilford Hall USAF Medical Center	February 10, 2006
Dr. Brently A. Grimard	The University of Texas Health Science Center at San Antonio	February 9, 2008
Dr. Amy S. Kauvar	UTHSCSA and Wilford Hall USAF Medical Center	February 7, 2009
Dr. Tina M. Beck	The University of Texas Health Science Center at San Antonio	February 13, 2010
Dr. Peter M. Pedalino	UTHSCSA and Wilford Hall USAF Medical Center	February 12, 2011
Dr. Andrew W. Baker	UTHSCSA and Wilford Hall USAF Ambulatory Surgical Center	February 11, 2012
Dr. Ryan S. Holbrook	UTHSCSA and U.S. Air Force Postgraduate Dental School	February 9, 2013
Dr. Stacy Renay Beltran	Texas A&M University Baylor College of Dentistry	February 7, 2014
Clinical Sciences Research Category:		
Dr. Tyler D. Borg	The University of Texas Health Science Center at San Antonio	February 7, 2015
Basic Sciences Research Category:		
Dr. Eirleen Y. Hyun	UTHSCSA and U.S. Air Force Postgraduate Dental School	February 7, 2015
Basic Sciences Research Category:		
Dr. Erin Wyrick	UTHSCSA and U.S. Air Force Postgraduate Dental School	January 30, 2016
Clinical Sciences Research Category:		
Dr. John W. Thousand IV	University of Colorado	January 30, 2016
Basic Sciences Research Category:		
Dr. Haroon Ashraf	University of Colorado	January 27, 2017
Clinical Sciences Research Category:		
Dr. Blaine Calahan	The University of Texas Health Science Center at San Antonio	January 27, 2017
Award Winner: Dr. Debbie Lee	UTHSCSA and U.S. Air Force Postgraduate Dental School	January 26, 2018
Runner-Up: Dr. Phillip Garrett	The University of Texas Health Science Center at San Antonio	January 26, 2018
Clinical Sciences Research Category:		
Dr. Jeff Penner	The University of Texas Health Science Center at San Antonio	January 26, 2019
Basic Sciences Research Category:		
Dr. Seung (Steve) Y. Lee	UTHSCSA and U.S. Air Force Postgraduate Dental School	January 26, 2019
Clinical Sciences Research Category:		
Dr. Arwa Al-Hugail	The University of Texas Health Science Center at San Antonio	January 24, 2019
Basic Sciences Research Category:		
Dr. Matthew Saxon	Texas A&M University Baylor College of Dentistry	January 24, 2019

# John F. Prichard Prize for Graduate Research

## Winner – John F. Prichard Prize for Graduate Research – Clinical Sciences Category Evaluation of Healing at Molar Extraction Sites with Ridge Preservation using a Nonresorbable Dense Polytetrafluoroethylene (dPTFE) Membrane

Arwa Al Hugail, B.D.S.

Department of Periodontics, UT Health San Antonio School of Dentistry



Dr. Arwa Al Hugail

**Purpose:** Ridge preservation (RP) techniques usually involve use of a bone graft with a resorbable or a non-resorbable membrane.

There is limited evidence

examining the use of a nonresorbable membrane with no bone graft. The primary purpose of this study is to examine the ridge dimensional changes and the histologic parameters of healing when RP was performed at molar sites using a dPTFE membrane alone. The secondary objective was to compare dimensional change and histologic data to the results found in three previously published study arms including: 1) No RP (control), 2) RP using mineralized freeze-dried bone allograft (FDBA) with dPTFE membrane (test 1), and 3) FDBA with collagen wound dressing (test 2).

**Methods and Materials:** Eighteen patients requiring molar extraction and ridge preservation were included. In the present study ridge preservation was performed using dPTFE membrane alone (test 3). Alveolar ridge dimensions at the extraction site including width and height changes, and buccal and lingual plate thickness were measured using two standardized cone beam computerized tomography (CBCT) scans taken within 72 hours and 3 months following extraction. Change in keratinized tissue (KT) width was also recorded. Following a 3-month

healing period, an implant osteotomy was prepared using a trephine drill, and bone cores were collected for histological analysis. Four-arm analyses were performed using data from the same research group that included a previous randomized controlled trial, in which twenty molar sites received no RP (control) and 20 received ridge preservation using FDBA with dPTFE membrane (test 1), and a subsequent case series of 20 patients who received ridge preservation at molar sites using FDBA with collage wound dressing (test 2).

**Results:** There was no statistically significant difference in KT change between the control and the test groups ( $P>.05$ ). The average loss of lingual ridge height among the 4 groups was 0.6-1.0 mm, with no significant difference between groups. Buccal height change was significantly greater in the control group compared to both test 1 and test 2 groups ( $P<.05$ ). Ridge width reduction at 3mm from the crest at the mesio-distal midpoint aspect of the socket amounted to 3.11 ± 3.83mm, 2.48 ± 2.86mm, 1.64 ± 1.10mm and 1.60 ± 1.70mm (mean±SD) in the control, test 1, test 2 and test 3 groups, respectively. The percentage of vital bone formation was significantly greater in test 3 group (62.10%) compared to all the other groups, but was not statistically different among the other groups.

**Discussion and Conclusion:** Without RP there was consistently more

buccal bone loss than any of the RP techniques. Histologic comparison of wound healing between the groups showed that dPTFE membrane alone (test 3) group had the greatest amount of vital bone formation (62.10%). Subjects in all groups were able to achieve the end goal of restoratively driven implant placement with good primary stability. The results of this study indicated that RP using dPTFE membrane alone in molar sites with intact (<50% bone loss) socket walls, showed successful outcomes in terms of maintaining ridge dimensions and histologic wound healing.

## ATTENTION COMMITTEE CHAIRS

Please remember that as the Committee Chair, it is your responsibility to contact your committee members and encourage them to attend the Southwest Society of Periodontists meetings and to participate in the Committee Meeting on Saturday morning at the SWSP meetings. The Committee Meetings at the 2020 Summer Meeting are scheduled from 8:00 – 9:00 AM on Saturday, July 25, 2020. The committee members are listed in this issue of the PROBE. Please contact your committee members and encourage them to attend this very important meeting.

# John F. Prichard Prize for Graduate Research

## Winner – John F. Prichard Prize for Graduate Research – Basic Sciences Category

### Erythropoietin – a Potent Factor for Alveolar Ridge Augmentation after First Molar Extraction

Matthew Saxon,

Texas A&M College of Dentistry, Department of Periodontics



Dr. Matthew Saxon

**Purpose:** Loss of teeth is commonly associated with a loss of the alveolar bone surrounding the functional tooth, resulting in an undesirably narrow bone ridge for subsequent implant placement. In our quest for alternatives to freeze-dried bovine bone, allografts, alloplasts, or BMP-2 we identified the kidney derived growth factor erythropoietin (EPO) as a candidate molecule for alveolar ridge augmentation in combination with suitable scaffolds. Currently, EPO overall safety in patients is established by current approval for Erythropoietin and biosimilars by the US Food and Drug Administration for the treatment of anemia caused by chronic kidney disease, chemotherapy, or use of zidovudine in patients with HIV infection. The aim of the present study is to evaluate the efficacy of erythropoietin's angiogenic and osteogenic potential compared to two popular ridge preservation techniques; anorganic bovine bone mineral (Bio-Oss<sup>®</sup>) with non-cross linked collagen membrane (Bio-Gide<sup>®</sup>), and collagen membrane alone.

**Methods and Materials:** Thirty adult male Sprague Dawley rats underwent bilateral maxillary first molar extraction, and uniform extraction defects were made with a Brasseler

#703 surgical bur to a depth of 3mm in each extraction socket. Rats were randomly assigned to groups that were to receive an erythropoietin soaked collagen pellet (Test Group), a Bio-Oss<sup>®</sup> treatment group or no material (Control), and subsequently covered with Bio-Gide collagen membrane and secured with Periacyrlyl purified cyanoacrylate. The rats were then randomly assigned for sacrifice via CO<sub>2</sub> overdose after four or eight weeks. The following analyses were performed; radiographs, micro-CT, paraffin sections with hematoxylin and eosin staining, Masson's trichrome staining, and Sirius Red staining. Additionally, ground sections were subjected to von Kossa staining.

**Results:** X-ray and micro-CT comparison demonstrated new bone formation in the tooth-less extraction sockets of EPO and of Bio-Oss treated mice. Specifically, four weeks after extraction, the radiopaque area in EPO treated sockets was 2.5-fold higher than in control sockets while the radiopaque area in Bio-Oss treated sockets was 2.7-fold higher. Eight weeks after extraction, the radiopaque area was 2.64-fold higher in controls vs. the 4 weeks controls. Within the 8 weeks group, the EPO treated sockets were 1.17-fold higher than in control sockets while the radiopaque area in Bio-Oss treated sockets was 1.2-fold higher. H&E stains of paraffin sections revealed a substantial increase in the number of capillaries per section when compared to the

number of blood vessels in the control and in the BioOss treatment group.

**Discussion:** Our data indicate that EPO acts as a potent factor in combination with a collagen sponge, promoting both new bone and angiogenesis.

**Conclusions:** Our study suggests that EPO or biosimilars might serve as an alternative to established procedures for alveolar ridge augmentation. While freeze-dried bovine bone might not be acceptable to some patients and BMP-2 is associated with side effects, EPO as a bioadditive might provide novel treatment strategies for bone defects, especially since its use has already been approved by the FDA. EPO's effects on angiogenesis suggests that EPO treatment might be useful to promote nutrient supply during the regeneration of large-scale bone defects, especially in combination with traditional scaffolds and bone filling materials.

# John F. Prichard Prize for Graduate Research

## Comparison of Debris Particle Release After Decontamination Therapy Among Multiple Implant Systems

Xixi Wu; Changjie Cai; Tapan Koticha; Fernando Suárez López del Amo,  
University of Oklahoma College of Dentistry, Graduate Periodontics

**Background:** Particulate debris may initiate an osteolytic reaction leading to bone loss. Previous studies have identified the presence of titanium and metal-like particles surrounding the peri-implant tissues. These metal debris can trigger an inflammatory process leading to osteolysis that might cause peri-implantitis, which is considered to be a major factor leading to implant failure. Toxicity of particles is a complex phenomenon influenced by multiple variables, namely particle size, concentration, composition and morphology. This study is designed to measure and compare the characteristics of released debris particles among different implant systems during decontamination therapy, implantoplasty.

**Methods and Materials:** Three implant systems were tested, including Group A (Straumann® BLT, RC, SLA; 4.1×16 mm), Group B (NobelBiocare® NobelParallel CC; 4.3×15 mm), and Group C (BioHorizons® Tapered Plus; 4.6×15 mm). Each group consisted of three implants tested under the same condition ensuring data consistency. One clinician performed all implantoplasty procedures using high-speed handpiece and tungsten carbide round bur for three minutes.

A novel experimental system was utilized for measuring and collecting particles generated from implantoplasty. High efficiency particulate air filter (HEPA) was used to create a particle-free environment in a glove box (the sampling chamber). Different aerosol devices, including

a scanning mobility particle sizer (SMPS), aerodynamic particle sizer (APS) and a Nano Micro-Orifice Uniform Deposit Impactor (nanoMOUDI), were employed. In addition, Scanning Electron Microscopy- Backscattered Electron Detector (SEM-BSD) was used to analyze and determine the composition, shape and mass of the collected particles by size. We conducted one-way ANOVA analysis with post-hoc Tukey honestly significant difference (HSD) test to compare the differences among the three implant systems.

**Results:** Particles emitted from implantoplasty showed bimodal number size distributions, with the majority of particles in the ultrafine size range (<100 nm). Statistical analysis indicated that there was a significant effect of different manufacturers on particle number concentrations at the  $p < .05$  level [ $F(2, 6) = 31.2$ ,  $p < 0.001$ ]. The mean particle number concentration from Group A (mean = 1130 #/cm<sup>3</sup>, S.D. = 637 #/cm<sup>3</sup>) was significantly lower than that from Group B (mean = 10384 #/cm<sup>3</sup>, S.D. = 1192 #/cm<sup>3</sup>), and from Group C (mean = 9164 #/cm<sup>3</sup>, S.D. = 2338 #/cm<sup>3</sup>), respectively. Group B and C did not show statistically significant difference ( $p = 0.79$ ). The 1st minute of procedure had higher number concentration compared to the 2nd and 3rd minute. SEM analysis of nanoMOUDI-collected particles indicated that, at different size level, particles showed different morphology and composition.

**Conclusions:** Implant decontamination therapy, and more specifically implantoplasty, is associated with debris particle release. The majority of particles were within the ultrafine size range (<100 nm). Different implant systems showed different number concentrations with the similar peak at 18-34 nm size level, with significant lower particle number concentration in Group A (Straumann® BLT, RC, SLA) than that in Group B (NobelBiocare® NobelParallel CC), and Group C (BioHorizons® Tapered Plus). The first minute of procedure might release most particles in terms of the debris number. The potential long-term biologic effects of these particles should be further investigated because majority of the particles fell within the particle size range that could exert higher levels of biological and immunological activity compared to coarse particles.

### STUDENT MEMBERS ATTEND SWSP MEETINGS AT NO CHARGE

The SWSP Board of Directors invites Student Members of the SWSP to attend the Summer 2020 Meeting of the SWSP at No Charge for Early Registration. Please register online at [www.swsp.org](http://www.swsp.org).

We value you as Student Members and this offer is made to encourage you to attend the meetings of the SWSP and become Active Members upon completion of your Graduate Program.

# John F. Prichard Prize for Graduate Research

## The Effect of Implant Surface Bioactivation with PRGF on Cell Attachment in the Presence of Cigarette Smoke Extract

Phillip P. Crum, Louisiana State University

**Purpose:** Success rates of dental implants in smokers is diminished compared to non-smoking patients. Identifying potential therapies to increase dental implant success and survival in smokers is an important issue facing practitioners in order to provide more predictable long-term results. This study was designed to examine the effect of implant surface bioactivation with plasma rich in growth factors (PRGF) in the presence of cigarette smoke extract (CSE) on the attachment of gingival fibroblasts to four different dental implant surfaces.

**Methods and Materials:** Four commercially available dental implants were used: Surface 1: Osseotite® by Zimmer-Biomet; Surface 2: TiUnite™ by Nobel; Surface 3: SLA® by Straumann; Surface 4: MTX® by Zimmer-Biomet. Peripheral blood samples were collected from a healthy non-smoking female and PRGF-Endoret® preparation was conducted according to manufacturer guidelines. Fractionation using the Plasma Transfer Device (PTD) was completed to collect F1 and F2 plasma fractions. All F1 fractions were discarded and only the F2 fraction was utilized due to its potentially higher platelet and growth factor content. Implants in the experimental group were allowed to soak in PRGF for 5 minutes and placed in multi-well plates. Gingival fibroblasts were exposed to 4 types of titanium implant surfaces and a cell attachment assay was performed. For each surface, 4 samples were tested in both the experimental and control groups. Cell attachment assays were conducted in two phases: Phase I included 2 groups: experimental implants coated in PRGF; control

implant surfaces alone. Phase II included 2 groups: experimental implants coated in PRGF in the presence of CSE; control implant surfaces alone in the presence of CSE. CyQUANT® dye was added to measure fluorescence using a fluorescence microplate reader. All data was collected and each group of four samples was averaged, with mean and standard deviation compared with the control value.

**Results: Cell Attachment with and without PRGF Surface Bioactivation -** There were no statistically significant differences in the number of cells attached to dental implants after 48 hours, regardless of implant surface bioactivation with PRGF. Mean cell attachment appeared to be higher in the control group for all implant surfaces, with the exception of the sand blasted, acid-etched surface (Surface 3).

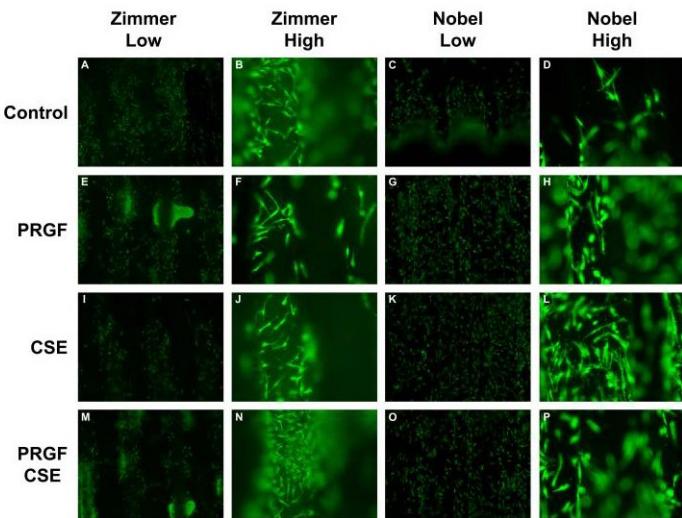
**Cell Attachment with and without PRGF Surface Bioactivation in the Presence of CSE-** With exposure to CSE, when implants were coated in

PRGF, there was no significant change in cellular attachment for either the Osseotite® or the MTX® surfaces. However, a significantly lower number of cells were attached to the TiUnite™ and the SLA® surfaces in the presence of CSE, as compared to the other surfaces. The addition of PRGF to these implant surfaces significantly increased the level of cell attachment on both TiUnite™ ( $p=0.031$ ) and SLA® ( $p=0.016$ ).

**Discussion:** Soaking the dental implant in PRGF prior to placement could help to enhance the cellular attachment in the presence of CSE. In theory, this could potentially lead to less dental implant failures in smokers. Dental implants were placed in PRGF for 5 minutes prior to exposure to gingival fibroblasts. Five minutes was selected as an appropriate length of time for clinical relevance, as this is most likely the maximum amount of time that most clinicians would use in practice. This study showed that the addition of PRGF in the

continued on page 24

This figure shows comparisons of cell attachment to surface 4 (Zimmer MTX®) and surface 2 (Nobel TiUnite™) following calcein fluorescent staining



# John F. Prichard Prize for Graduate Research

## Detection of Dental Calculus Using Digital Radiography

Jenna C. Hyer D.D.S.

Department of Periodontics, University of Texas Health Science Center San Antonio, San Antonio, TX

**Purpose:** Dental calculus has a significant association with periodontal disease. Calculus extends the plaque front, ultimately leading to a reactive tissue response, inflammation, bone loss, and periodontal breakdown. As calculus is an important etiologic factor for periodontal disease progression, the ability to detect and remove calculus is a key goal of therapy. Historically, calculus detection using conventional film radiographs as a diagnostic test has been associated with low sensitivity and high specificity. With advances in digital radiography, it is possible that digital radiographs may be more useful in the detection of dental calculus, though it has not yet been the subject of investigation. Therefore, the aim of this observational study was to determine if image enhancements can improve a clinician's ability to identify the presence of dental root surface calculus on digital radiographs. Secondary objectives included determining whether a size of calculus deposit or threshold of root surface area occupied by calculus exists in which sensitivity of detection improves.

**Methods and Materials:** 71 extracted teeth with hopeless periodontal prognosis were collected from 34 patients and stored in 10% formalin. Teeth were washed and stained in a 1% methylene blue

solution, the size of the largest interproximal calculus deposit was scored under magnification using a four point scale, and photographs were taken of each interproximal root surface. Using digital imaging software, the surface area of calculus deposits as a percentage of the total interproximal root surface area was determined. Digital radiographs of all teeth taken prior to extraction were manipulated on imaging software using the following enhancements: Auto-contrast, Emboss, Invert, and 100% Sharpen. Two blinded examiners independently viewed the enhanced images, as well as the original radiographs to determine whether calculus was present on the interproximal root surfaces. Area under the curve (AUC) and the 95% confidence interval (CI) were calculated to determine the accuracy of radiographs as a diagnostic test, in addition to sensitivity, specificity, positive predictive value (PPV), and negative predictive value (NPV).

**Results:** A total of 130 root surfaces were included. None of the enhanced images proved to be statistically superior to original images in identifying radiographic calculus as evident by the AUC and 95% CI. Overall, the average sensitivity of digital radiography as a diagnostic test for calculus was 50%, specificity 82.2%, positive

predictive value 94%, and negative predictive value 23.2%. A threshold of greater than 30% of interproximal root surface covered with calculus and increasing size of calculus deposits was associated with improved sensitivity.

**Discussion and Conclusion:** A previous study by Buchanan et al. (1987) used conventional radiography to detect root surface calculus. Their sensitivity and specificity of 43.8% and 92% compares favorably to 50% and 82.2% in the present study, yet their PPV and NPV of 71.7% and 74.6% differed from 94% and 23.2% in this investigation. This difference is likely due to the greater prevalence of root surface calculus in the current study. These results also compare favorably to a similar study where no single image manipulation applied in the determination of root fractures was superior, and another in which no single digital manipulation was better than the original image in determining alveolar bone loss. Overall, digital radiographs as a diagnostic test for root surface calculus had low sensitivity, high specificity, and image manipulations did not significantly improve detection. As area of calculus on root surfaces and size of calculus deposits increased, sensitivity of detection also increased.

[CLICK HERE TO REGISTER FOR THE 2020 SWSP SUMMER MEETING!](#)

# John F. Prichard Prize for Graduate Research

## Increased Osteoblastic Expression of Colony Stimulating Factor 1 (CSF-1) by Advanced Glycation End-Products (AGES): A Mechanism of Diabetic Bone Fragility

**Derick Mayberry, DDS, Periodontics, Air Force Postgraduate Dental School, United States Air Force. Nandini Ghosh-Choudhury, Ph.D., Pathology, School of Medicine, University of Texas Health Science Center San Antonio**

**Background:** Advanced glycation end-products (AGEs) result from nonenzymatic reaction between reducing sugars and proteins, lipids or nucleic acids. While AGEs are a natural product in biological systems, they are found in elevated levels in individuals with prolonged diabetes and contribute to the pathogenic complications of this disease. Our focus is to identify the mechanism by which AGEs alter bone physiology in diabetes. Individuals with diabetes show an increased rate of bone fractures. Strong bone formation requires finely balanced activities of osteoblasts and osteoclasts. The colony stimulating factor 1 (CSF1), an essential cytokine for osteoclast maturation, is expressed and secreted by the osteoblasts. Increased expression of CSF-1 stimulates osteoclast activity in bone, resulting in improper bone remodeling thereby reducing the bone strength. CSF-1 expression is tightly regulated by concerted actions of multiple signaling pathways including mitogen-activated protein kinases (MAPK). AGEs have been shown to regulate MAPK signaling pathway in osteoblast cells.

**Purpose:** The purpose of this study is to identify CSF-1 as a novel target of AGEs, increased level of which worsens bone quality in prolonged diabetes. Our aim further includes unraveling the underlying mechanism of this AGE-targeted over-expression of CSF-1. We anticipate to block abnormal bone remodeling and manage diabetes-induced bone abnormality as

an extension of this project.

**Methods and Materials:** 2T3 mouse osteoblast cells were used in this study. To evaluate the effects of AGEs, 2T3 cells were treated with bovine serum albumin (BSA)-conjugated AGE (BSA-AGE) or BSA alone (experimental control). After 48 hours of AGE treatment the cells were harvested and CSF-1 mRNA expression was determined by quantitative RT PCR (qRT-PCR). CSF-1 protein secretion from the osteoblast cells were quantitated by enzyme-linked immunosorbent assays (ELISA) in the growth medium collected from these cells. To evaluate the role of MAPK, cells were treated for 1 hour with a MAPK inhibitor Uo126 prior to addition of AGE. The CSF-1 expression and secretion were measured as described above.

**Results:** qRT-PCR results showed elevated amounts of CSF1 mRNA in 2T3 cells treated with the AGE compared to cells cultured with BSA alone. ELISA results confirmed an increase in CSF1 protein secretion from AGE-treated 2T3 cells compared to the control cells cultured in BSA alone. Inhibition of MAPK signaling by pre-treatment with Uo126 decreased AGE-induced increase in CSF1 mRNA expression. The amount of AGE-stimulated CSF1 protein secretion was also decreased in cells pre-treated with Uo126.

**Conclusion:** Our results from the qRT-PCR and the ELISA confirm that AGEs increased the expression and

secretion of CSF-1 by osteoblasts. We also showed that this increase is mediated by the MAPK signaling cascade. Our study thus identifies CSF-1 as a novel target of AGEs and unravel one of the mechanisms leading to the increased rate of bone fractures occurring in individuals with prolonged diabetes.

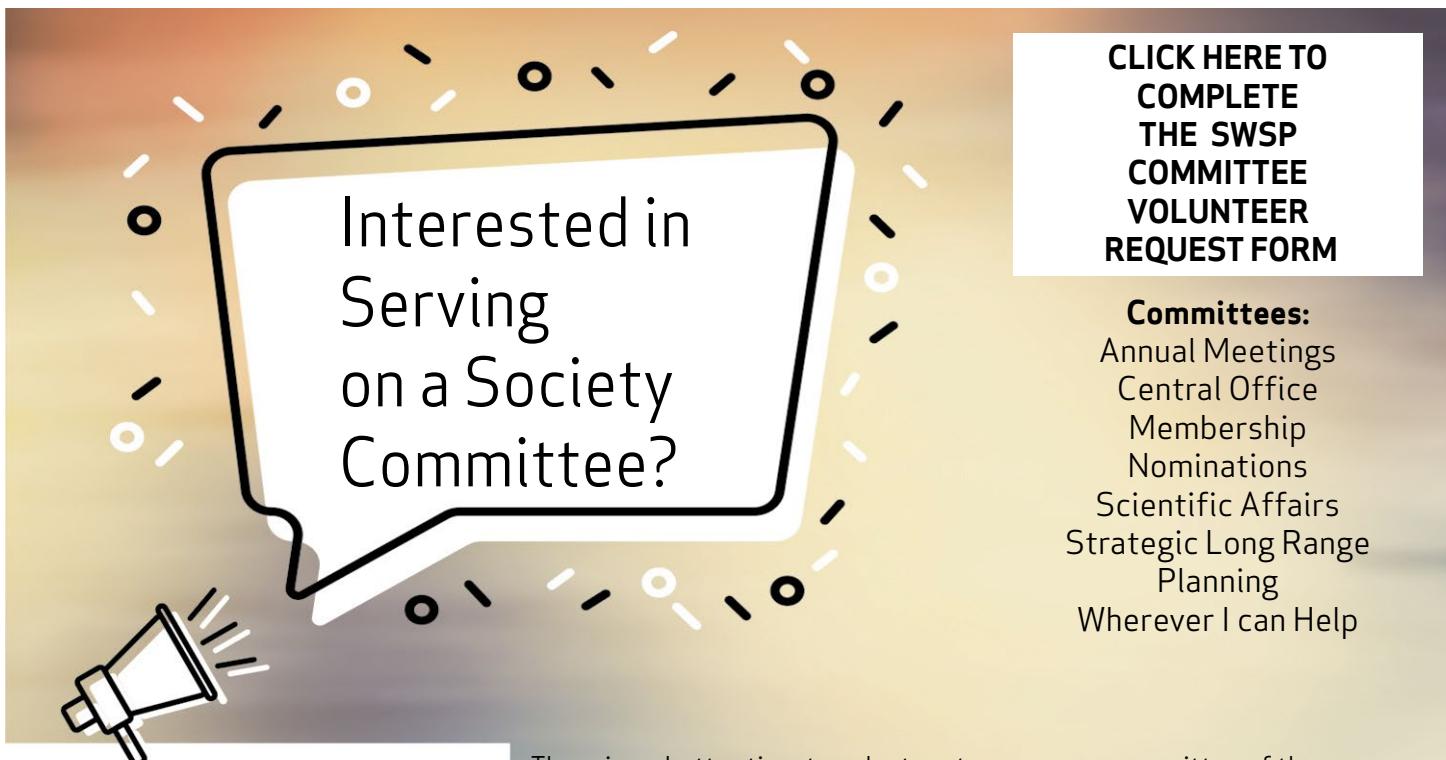
**Acknowledgments:** Funding was provided by the South Texas Veterans Administration (VA) and San Antonio Area Foundation (SAAF).

**Disclaimer:** The views expressed are those of the authors and do not reflect the official views or policy of the Department of Defense or its Components.

## ATTENTION OFFICERS, BOARD MEMBERS AND COMMITTEE CHAIRS

Please note that the Board of Directors Meeting will begin at 4:30 pm on Friday, July 24, 2020. Officers, Board members and Committee Chairs are encouraged to attend.

The Board of Directors Breakfast meeting is scheduled to begin at 7:30 am on Sunday, July 26, 2020.



**CLICK HERE TO COMPLETE THE SWSP COMMITTEE VOLUNTEER REQUEST FORM**

**Committees:**

Annual Meetings  
Central Office  
Membership  
Nominations  
Scientific Affairs  
Strategic Long Range Planning  
Wherever I can Help

**THE EFFECT OF IMPLANT SURFACE BIOACTIVATION WITH PRGF...**

continued from page 24

presence of CSE did have a positive impact on cellular attachment to both the SLA® and TiUnite™ surfaces. While larger clinical studies are needed to confirm this finding, it is a promising indication that bioactive surface activation of dental implants could potentially improve the long-term survival and success of dental implants placed in smokers.

**Conclusion:** In the presence of cigarette smoke extract; the overall attachment of gingival fibroblasts was reduced to various implant surfaces. When implants were placed in PRGF for 5 minutes prior to cell exposure, this reduction in cellular attachment was corrected. Within the limitations of this study, this data provides a proof of concept that paves the way for additional, large-scale studies to evaluate the true efficacy of implant surface bioactivation with PRGF.

There is no better time to volunteer to serve on a committee of the Southwest Society. The Society is interested in having members participate on committees to ensure we are meeting the needs of our members. There are several opportunities to serve and the time commitment is only a few hours each year. Committees meet at the Winter and Summer Meetings and there may be one conference call between the meetings. If you are interested, please click on the link below and we'll get you connected with the committee chair. Thank you for supporting the Society!

**PRACTICE TRANSITION ANNOUNCEMENTS AVAILABLE TO SWSP MEMBERS**

If you are looking to purchase a practice, sell your practice, seek an associate, or some other type of change, you may now post this information to the SWSP website, [www.swsp.org](http://www.swsp.org). This feature is available to members only, so you must be logged in to access the page. Click on the Member Login button on the Home Page. Under the Member Resources navigation item, the last option is Practice Transitions. This page has a button for submission of the posting you would like to make. This information will be posted to a page that will contain all submissions. This is a great resource for student members as well as other members who are interested in exploring new practice opportunities as well as members looking for practice transitions. If you have questions about this, please email us at [info@swsp.org](mailto:info@swsp.org).

## SWSP MEMBER SPOTLIGHT

The Southwest Society would like to introduce you to Catherine Tatum, who joined the Southwest Society in 2014. We asked Catherine a few questions to learn why she joined the Society and what benefits she saw from membership. Thank you, Catherine, for taking the time to share your experience!

Here's what Catherine told us:

### SWSP

**Why did you join SWSP?**

### CATHERINE

I first learned about the Southwest Society from my faculty during my first year of residency at the Periodontics program at San Antonio. Along with my co-residents, I joined as a student member. The society was very welcoming and I learned a lot about the society and about the continuing education they provide. I continued my membership after graduation as I started my career as a periodontist practicing in McKinney, Texas. I look forward to the SWSP meetings, as it allows me to catch up with my local periodontal colleagues.

# Q & A

### SWSP

**What would you say to encourage someone to join the Society?**

### CATHERINE

My involvement in the society has introduced me to wonderful people who are supportive of my career. The membership fees and meeting registration fees are extremely reasonable for what you gain in return through education and creating a network of friends and colleagues that are supportive of your career. The speakers at the society meetings are always focused on interesting topics that can open your eyes to new techniques and products. In periodontics, we are always striving for the best outcomes for our patients and the knowledge that is shared at the meetings has helped keep me up to date on ongoing clinical research and improve my patient care.

### SWSP

**What benefits do you see as a member of the Society?**

### CATHERINE

Knowledge. Community. Education. SWSP has provided me with knowledge about the practice, cutting edge



techniques and the latest on clinical research. The greatest benefit has been the community and connection with fellow, local periodontists. I enjoy socializing at the meetings and getting to see well known speakers without having to travel far.

### SWSP

**Thank you John for taking the time to share your experience!**

### Want to share your story?

Contact [info@swsp.org](mailto:info@swsp.org)

JOIN OR RENEW NOW!

## 2020 MEMBERSHIP DUES

(Effective date of payment is determined by the date of postmark or online payment)

January 1, 2020  
April 1, 2020  
June 1, 2020

Payment of Membership Dues (current if paid by March 31, 2020)

Assessment of \$50 Delinquent Dues Penalty

Automatic Termination of Membership for Non-Payment of Membership Dues

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RENEW YOUR  
MEMBERSHIP  
TODAY!



### Membership Categories

#### \$175 Active Member (includes Academic and Active Duty Military Periodontists)

Limited to Periodontists, including Academic and Active Duty Military who are licensed to practice in the United States and who reside in the states of Arkansas, Colorado, Louisiana, Nebraska, Oklahoma or Texas, and who meet the qualifications for Active Member as listed in Article III of the By-laws of the Southwest Society of Periodontists.

#### \$175 Academic Non-Periodontist Member

Limited to individuals residing in the states of Arkansas, Colorado, Louisiana, Nebraska, Oklahoma or Texas, who do not meet the qualifications for Active membership, but who are engaged in full-time research and/or teaching in Periodontics in accredited dental schools at the undergraduate and/or graduate level. Has all of the privileges and responsibilities of Active Members except the rights to vote, to make nominations and to hold office. May serve on special committees.

#### \$0 Student Member

Student members do not pay annual dues and dues are waived for the first year after graduation from their training program. During the first year after graduation, graduates should request transfer to Active or Non-Resident membership status and pay the appropriate dues. Please return this form to request transfer to Active or Non-Resident status and/or to notify SWSP of address, phone, fax, e-mail changes.

#### \$135 Non-Resident Member

Members residing outside of the geographic boundaries of the Southwest Society of Periodontists. The SWSP region includes the States of Arkansas, Colorado, Louisiana, Nebraska, Oklahoma, and Texas.

#### \$125 Life Active Member

Active Member for the preceding 25 years and at least 65 years of age. Retains all of the privileges and responsibilities of Active Members, including the rights to vote, to make nominations, to hold office and to serve on special committees.

#### \$0 Life Non-Active Member

Active Member for preceding 25 years and 65 years of age. Retains all of the privileges and responsibilities of Active Members except the rights to vote, to make nominations and to hold office. May serve on special committees. Do not pay annual dues. Please return this form to notify SWSP of address, phone, fax, e-mail changes.

#### \$0 Retired Members

Members in good standing in any dues-paying category who completely retire from practice or teaching. Retain all of the privileges and responsibilities of Active Members except the rights to vote, to make nominations and to hold office. May serve on special committees. Do not pay annual dues. Please return this form for address, phone, fax, e-mail changes.

#### \$0 Honorary Members

Honorary Members do not pay annual dues. Please return this form for address, phone, fax, e-mail changes.

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### Central Office Committee

Chair	Dr. Scott Dowell
Vice-chair	Dr. Cora Marsaw
Committee Member	Dr. Matt Steffer
Committee Member	Dr. Eduardo Lorenzana

### Membership Committee

Chair	Dr. Cuong Ha
Vice-Chair	Dr. Catherine Tatum
Committee Member	Dr. Yu Ting-Yeh
Student Member	Dr. Blaine Calahan
Committee Member	Dr. Edwin Sutherland
Committee Member	Dr. Gina Bonaventura
Committee Member	Dr. Stacy Beltran

### Nominating Committee

Chair	Dr. Kristi Soileau
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## Scientific Affairs Committee

Chair	Dr. Yong-Hee Chun
Immediate Past Chair	Dr. Enrique Rosado
Committee Member	Pooja Maney
Committee Member	Matt Byarlay
Committee Member	Pooria Fallah
Committee Member	Natalie Frost
Committee Member	Tapan Koticha
Committee Member	Chun-Teh Lee
Committee Member	Angela Synatzske

## John F. Prichard Prize for Graduate Research Subcommittee

Chair	Dr. Natalie Frost
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## Strategic Long Range Planning Committee

Chair	Dr. Scott Dowell
Vice-chair	Dr. Cora Marsaw
Committee Member	Debbie Peterson
Committee Member	Dr. Kristi Soileau
Committee Member	Dr. Pilar Valderrama

## Standing Committees of the Board of Directors

### Executive

Chair (President)	Dr. Pilar Valderrama
Committee Member	Dr. Natalie Frost
Committee Member	Dr. Kristi Soileau
Committee Member	Dr. Matt Steffer

### Budget & Finance

Chair (Treasurer Elect)	Dr. Cuong Ha
Vice-Chair (Secretary)	Dr. Natalie Frost
Committee Member (Pres. -Elect)	Dr. Kristi Soileau
Committee Member (Treasurer)	Dr. Matt Steffer
Committee Member (Sec. Elect)	Dr. Takanari Miyamoto

### By-Laws, Policies & Procedures

Chair	Dr. Eduardo Lorenzana
Committee Member	Dr. Scott Dowell

## Ad Hoc Committees of the Board of Directors

### Exhibitor Committee

Chair	Dr. Jeff Pope
Committee Member	Dr. Gary DeWitt
Committee Member	Dr. Samuel Ellsworth
Committee Member	Dr. Bill Reeves
Committee Member	Dr. John Tunnell

### Governmental and Regulatory Affairs/Sedation

Chair	Dr. John Dmytryk
Committee Member	Dr. Charles Rader
Committee Member - Arkansas	Fred Church
Committee Member - Colorado	Dr. Charles Powell
Committee Member - Louisiana	Dr. Gary DeWitt
Committee Member - Nebraska	Dr. Takanari Miyamoto
Committee Member - Oklahoma	Dr. Bill Reeves
Committee Member - Texas	Dr. Lisa Masters



Southwest Society of Periodontists  
Central Office  
PO Box 1027  
Leander, TX 78646

# SAVE THE DATE

2021 Winter Meeting:  
**January 22 – 24, 2021**  
at the Dallas Marriott Las Colinas in Irving, Texas

**Featuring:**  
**Dr. Michael A. Pikos, DDS**  
Regenerative Strategies:  
Single Tooth to Full Arch Reconstruction

**Dr. Richard J. Miron, DDS, BMSC, MSC, PhD, DMD**  
Platelet Rich Fibrin in Regenerative Dentistry

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