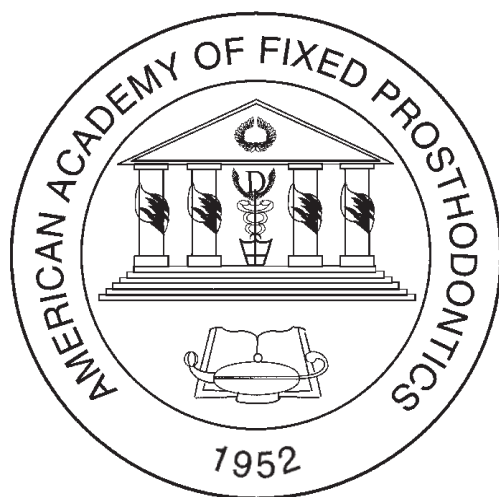


THE AMERICAN ACADEMY  
OF FIXED PROSTHODONTICS



# INTEGRATING

CONVENTIONAL AND  
CONTEMPORARY

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## TREATMENT PHILOSOPHIES

67<sup>TH</sup> ANNUAL SCIENTIFIC SESSION

Friday, February 23, 2018

Saturday, February 24, 2018

CHICAGO MARRIOTT DOWNTOWN

7<sup>TH</sup> FLOOR BALLROOMS I, II, III

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## TENTATIVE 2019 MEETING DATE

February 22-23, 2019

The American Academy of Fixed Prosthodontics provides programs for its members that support its mission to foster excellence in the field of fixed prosthodontics, including promoting excellence in patient care and enhancing the professional lives of its members.

Continuing education programs are planned, developed, and managed by the AAFP Program Chair in consultation with the Continuing Dental Education Compliance Committee; the programs are in accordance with the Academy's mission and goals and the content includes the results of responses obtained from the written comments provided by course participants on the evaluation form.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

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## THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

The mission of The American Academy of Fixed Prosthodontics is to foster excellence in the field of fixed prosthodontics, implants, and esthetic dentistry through mutual study, participation, and cooperation.

The Academy shall:

1. Provide for educational enrichment of those with a recognized commitment and dedication to the field of fixed prosthodontics, implants, and esthetic dentistry.
2. Represent the discipline of fixed prosthodontics at all levels of the dental profession.
3. Promote excellence in patient care.
4. Promote excellence in teaching.
5. Encourage and support research in fixed prosthodontics.
6. Promote camaraderie and fellowship among the members of the Academy.

Authored by

Dr. Stephen D. Campbell

2018 GOLD SPONSOR



2018 SILVER SPONSORS



*more reasons. one source*



2018 BRONZE SPONSOR



ZEST | DANVILLE MATERIALS | PERIOSCOPY



## THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Fixed Prosthodontics, originally The American Academy of Crown and Bridge Prosthodontics and renamed in 1991, has been and will continue to be the leading national voice of fixed prosthodontics. Its membership is composed of educators, clinical practitioners, and researchers in this important discipline of dentistry.

The purpose of this organization is to pursue, by mutual study and cooperation, activities reflecting a high and ethical standard of practice, teaching, and research in the art and science of crown and bridge prosthodontics.

The Academy originated in 1950 in Chicago, Illinois. The three men who deserve credit for its concept and preliminary planning are Dr. Stanley D. Tylman, Dr. Claude R. Baker, and Dr. George H. Moulton. These men of vision rallied other important leaders in the crown and bridge field to actively support their cause. Together, they planned an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were Dr. Stanley D. Tylman, Dr. Arthur O. Klaffenbach, Dr. Robert P. Dressel, Dr. Alver Selberg, Dr. Charles E. Peterka, Dr. Earl A. Nelson, Dr. Claude R. Baker, and Dr. George H. Moulton. Dr. Baker was chosen as temporary chairman and Dr. Moulton as temporary secretary.

The next meeting took place in French Lick, Indiana, on March 19, 1951, where the tentative constitution and bylaws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952, in Chicago, making this the first annual meeting of The Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of nearly 600 active and life members in 24 different countries.

Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth, and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Authored by Dr. Jesse T. Bullard

## PAST PRESIDENTS

* Claude R. Baker.....	1952-53	Herbert Ptack .....	1986
* Robert P. Dressel.....	1954	* Ralph A. Yuodelis .....	1987
* E. David Shooshan.....	1955	* William D. Culpepper.....	1988
* Earl Allen Nelson .....	1956	Ronald G. Granger .....	1989
* L. Walter Brown, Jr.....	1957	Maurice H. Martel .....	1990
* George H. Moulton .....	1958	Ronald D. Woody.....	1991
* Francis B. Vedder.....	1959	Albert J. Kazis.....	1992
* Stanley D. Tylman.....	1960	* William L. Nequette .....	1993
* William H. Hagen .....	1961	Dale L. Timberlake .....	1994
* Everett Carl Brooks.....	1962	Jesse T. Bullard.....	1995
* Ernest B. Nuttall .....	1963	Harvey L. Colman .....	1996
* Fred Norman Bazola.....	1964	Gerald J. Ziebert .....	1997
* John D. Adams .....	1965	* Richard D. Wilson .....	1998
* Robert Conley Zeisz.....	1966	Denny M. Smith.....	1999
* Willis Edward Corry.....	1967	Davis A. Garlapo .....	2000
* Joseph E. Ewing .....	1968	Stephen D. Campbell.....	2001
* E. Edward Kraus.....	1969	Richard R. Cavanaugh.....	2002
* Raymond M. Contino .....	1970	John T. Goodman .....	2003
* Douglas H. Yock.....	1971	William W. Nagy.....	2004
* Philip Williams.....	1972	Peter S. Lund .....	2005
* Douglas M. Lyon.....	1973	H. Philip Pierpont .....	2006
Kenneth A. Morrison .....	1974	Jane D. Brewer .....	2007
* Robert Sheldon Stein .....	1975	Martin F. Land .....	2008
* John M. Schlick .....	1976	John R. Agar .....	2009
* Charles L. Ziegler .....	1976	Kent L. Knoernschild .....	2010
Charles J. King .....	1977	Stephen F. Rosenstiel.....	2011
* Samuel E. Guyer .....	1978	J. Robert Kelly .....	2012
* Roland W. Dykema.....	1979	Carl F. Driscoll.....	2013
* Wade H. Hagerman, Jr. ...	1980	Julie A. Holloway .....	2014
* Robert D. Jeronimus.....	1981	Jack Lipkin .....	2015
* Lloyd L. Miller .....	1982	Steven Morgano .....	2016
* John H. Emmert.....	1983	Gerald Santulli.....	2017
* Alfred C. Macaluso .....	1984	David Burns .....	2018
* Ernest B. Mingledorff.....	1985		

---

\* Deceased



## **DR. DAVID BURNS**

### **President, 2017-2018**

As the 67th President of the American Academy of Fixed Prosthodontics, I extend greetings to our Academy members and a hearty welcome to Academy visitors and friends. It is my great privilege to serve in this capacity this year. The Academy continues to exhibit a strong presence among prosthodontic organizations worldwide. We received 26 new members in February. These individuals represent the future of the Academy and a number of them have already volunteered to assist with Academy business. The Academy is financially healthy, and as a leader for the discipline of fixed prosthodontics, continues to demonstrate an unwavering commitment to excellence through its yearly scientific program. With the meeting theme of "Integrating Conventional and Contemporary Treatment Philosophies," this scientific program should be no exception to this. Dr. Avinash Bidra and Dr. Sangeetha Raghavendra, the 2018 scientific program directors, have invited a formidable group of national and international leaders to the podium and the meeting promises to be of keen interest for all attendees, regardless of their practice experience.

Also in 2018, for the first time in its history, the Academy is joining forces with the Dutch Flemish Restorative Society to sponsor and present a first-class scientific program and outstanding social get-together, May 25-26, 2018 in Amsterdam, the Netherlands. Exceptional presenters have been selected from both the United States and Europe. Scheduled during the United States Memorial Day weekend in 2018, it will be a great draw for both attendees and spouses, with a cocktail reception at the Rijksmuseum, a scenic Amsterdam canal cruise, and dinner at a historical venue all planned. Please consider joining us for this insightful and historic Academy "road trip".

For many years, the Academy has had much of its yearly scientific program content available for purchase on DVD at our meetings. Now, as we move technologically forward, we are planning for future scientific meeting content to be available for purchase through a web-based access. This will allow for more convenient viewing and may attract a larger audience down the line. Stay tuned as this process unfolds.

Finally, I've heard many times from members, that the Academy is like family to them. Over the years, I have observed that for many Academy members, their organizational work is completed as a labor of love. It is also not unusual for members to get together with other Academy friends in the evenings during the meeting and enjoy the camaraderie. These types of beliefs and actions occur for many reasons, but I think these responses are tough to achieve without just the right ingredients of the Academy's smaller size, dedicated members, and camaraderie. I am so proud to represent this distinguished Academy this year and I plan to do my small part in keeping it steeped in greatness.

Dr. David Burns  
President

**OFFICERS AND DIRECTORS 2017-2018**  
**STANDING COMMITTEES 2017-2018**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President**

David Burns

Virginia Commonwealth University  
School of Dentistry, Dept. of Prosthodontics,  
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Phone: 804-628-2245 | Email: drburns@vcu.edu

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**Past President**

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Email: gsantulli@cox.net

**Secretary**

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Email: aafpsec@gmail.com

**Treasurer**

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Email: dbpaafp@gmail.com



## DIRECTORS 2018

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Phone: (319) 337-7017 | E-mail: jtdjrdmd@gmail.com

Damian Lee

The Ohio State University College of Dentistry

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Phone: (614) 292-2013 | E-mail: lee.6221@osu.edu

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Sarit Kaplan

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Bethesda, Maryland 20817

Phone: (301) 493-9500 | E-mail: kaplandmd@comcast.net

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Farmington, CT 06030

Phone: (860) 679-2649 | E-mail: bidra@uchc.edu

Fei Liu

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Ann Arbor, MI 48109

Phone: (734) 936-0911 | E-mail: feiliu@umich.edu

James Ywom

309 East Second Street, HEC #3206

Pomona, CA 91766

Phone: (909) 706-3957 | E-mail: jywom@westernu.edu

## WEBMASTER

Sangeetha Raghavendra

108 Scoville Road Avon, CT 06001

Phone: (860) 992-9398 | E-mail: raghavendra.sangeetha@gmail.com

## CREDENTIALS COMMITTEE

Ken Chen 2018, Chair  
Servando (Van) Ramos 2018, Secretary  
Kelly Miller 2019  
John Boyle 2020  
Vanessa Swain 2020

## JPD EDITORIAL LIAISON

Darshanjit Pannu 2018

## PROGRAM COMMITTEE

Avi Bidra 2018  
Sangeetha Raghavendra 2018  
Mathew Kattadiyil 2019  
Robert Walter 2019  
John Agar 2020  
Geoffrey Thompson 2020

## LOCAL ARRANGEMENTS COMMITTEE

Judy Yuan 2020, Chair  
James Ywom AV Consultant, 2020  
Anna Manzotti 2018  
Fatemeh Afshari 2020

## GEORGE MOULTON AWARD COMMITTEE

Jesse Bullard 2020, Chair  
Arthur Rodriguez 2018  
Steve Brousseau 2019  
Paul Kudyba 2020  
Geoffrey Thompson 2020

## STRATEGIC PLANNING COMMITTEE

Avinash Bidra 2020, Chair  
Gerry Santulli ex-officio  
Ariel Raigrodski ex-officio  
Stan Vermilyea ex-officio  
Elena Nazarova 2019  
David Donatelli 2021

## POSTER PROGRAM COMMITTEE

Ramtin Sadid-Zadeh 2022, Chair  
Lillian Mitchell 2019  
Ricardo Schwedhelm 2020

## TYLMAN RESEARCH COMMITTEE

Fei Liu 2018, Chair  
Marianella Sierraalta, 2018  
Peter Barndt, 2018  
Ghadeer Thalji, 2019  
Geoff Thompson, 2019  
Radi Masri 2020

## NOMINATING COMMITTEE

Gerry Santulli 2020, Chair  
Steven Morgano 2019  
Jack Lipkin 2018  
Ariel Raigrodski 2018  
Stan Vermilyea 2018

## ARCHIVAL COMMITTEE

John Townsend 2020, Chair  
Ron Woody 2022  
Martin Land, ad hoc  
Stephen Rosenstiel Ex-Officio

## BYLAWS COMMITTEE

Martin Land, Chair  
Gerry Santulli, ad hoc

## BUDGET AND FINANCE COMMITTEE

Duane Douglas 2020, Chair  
Karen Bruggers 2019  
Ariel Raigrodski, President-Elect, Ex Officio  
Stan Vermilyea, Vice-President, Ex Officio  
Douglas Phillips, Treasurer, Ex Officio

## **CONTINUING DENTAL EDUCATION COMPLIANCE COMMITTEE**

Jennifer Kuracina, 2018, Chair  
Nadim Baba 2019  
David Burns 2020  
Stephen Rosenstiel, Ex Officio

## **PUBLICITY AND COMMUNICATIONS COMMITTEE**

Aram Kim, Chair and Newsletter Editor, 2021  
Aaron Kim 2018  
Art Rodriguez 2018  
Steve Rosenstiel, Ex Officio  
Silvia Amaya Pajares, Academy Photographer

## **ETHICS COMMITTEE**

Stan Vermilyea, Chair  
John Van der Creek 2018  
Craig Neitzke 2020

## **CLAUDE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS**

Caroline Nguyen, 2018, Chair  
Peter Barndt 2019  
Darshanjit Pannu 2020  
Joon Coe 2020  
Ricardo Schwedhelm 2020

## **INFORMATION TECHNOLOGY COMMITTEE**

Sangeetha Raghavendra 2022, Chair  
Caroline Nguyen 2022  
Tim Kyger 2020

## **COMMITTEE FOR THE GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD**

Jane Brewer 2020, Chair  
John Agar 2018  
Carl Driscoll 2018  
Curt Werking 2019

## EXHIBITS COMMITTEE

Darshanjit Pannu 2021, Chair  
Ramtin Sadid-Zadeh 2019  
Soni Prasad, 2021  
Steve Raney, ad hoc

## RESEARCH IN FIXED PROSTHODONTICS

### Committee A

George Maroulakos, 2018, Chair  
Geoffrey Thompson 2018  
Elias Kontogiorgos 2018

### Committee B

Hai Zhang, 2019, Chair  
Van Ramos 2019  
Manuel Bratos 2019

## STANDING PRESIDENTIAL APPOINTMENTS 2017-2018

### PARLIAMENTARIAN

Martin Land

### SECRETARY FOR GUESTS

Douglas Phillips

### MEETING DIRECTOR

Igor Pesun

### CHAPLAINS

Earl Stover  
Sarita Arteaga

### ACP PROSTHODONTIC FORUM REPRESENTATIVES

David Burns  
Ariel Raigrodski, Alternate

## PREVIOUS 1ST PLACE WINNERS OF THE TYLMAN AWARD

1979: James N. Ciesco	2000: Reza Heshmati
1980: Boris Schwartzman	2001: Salman A. Lakhani
1981: Timothy O. Hart	2002: Periklis Proussaefs
1982: Not awarded	2003: Luis Keys
1983: David Alan Chance	2004: Vanesåsa Swain
1984: Jeffrey L. Hudgins	2005: Philip Tan
1985: George W. Kay	2006: Kelly Copps Wood
1986: Anthony J. G. Dickinson	2007: Heather J. Conrad
1987: Izchak Bartzilay	2008: Keith L. Guzaitis
1988: Susan E. Brackett	2009: Islam Khasawneh
1989: Not awarded	2010: Daniel Domagala
1990: Shane N. White	2011: Seok-Hwan Cho
1991: Not awarded	2012: Monica Parekh
1992: Not awarded	2013: Matthew Anderson
1993: Louis Menegotto	2014: Matilda Dhima
1994: Syed Faheem Rasool	2015: Aurora Dibner
1995: Fonda G. Robinson	2016: Diane Vo
1996: Paula K. Yliheikkila	2017: William Wahle
1997: Kevin H. O'Boyle	<small>*date listed is date awarded – award adjudicated in the preceding year</small>
1998: David G. Gratton	
1999: Douglas E. Ford	

*Special thanks to the  
Editorial Council of the Journal of Prosthetic Dentistry  
for its ongoing support of the  
Tylman Research Program*

## PREVIOUS MOULTON AWARD RECIPIENTS

1992: George H. Moulton	2005: Charles J. Goodacre
1993: Ernest B. Nuttall Max Kornfeld	2006: Kenneth Malament
1994: Robert J. Nelson	2007: Stephen D. Campbell
1995: Everitt V. Payne	2008: Don G. Garver
1996: Samuel E. Guyer	2009: Steven Aquilino
1997: Roland W. Dykema	2010: Harold Litvak
1998: Herbert T. Shillingburg, Jr.	2011: Bill B. Lefler
2000: Lloyd L. Miller	2012: Denny M. Smith
2001: Ralph Yuodelis	2013: Jesse T. Bullard
2002: Robert S. Staffanou	2014: Stephen F. Rosenstiel
2003: Maurice H. Martel	2015: John R. Agar
2004: Ronald D. Woody	2016: Carl Driscoll
	2017: Martin F. Land

## PREVIOUS BAKER AWARD RECIPIENTS

2003: Alvin Wee	2010: Mijin Choi
2004: Ariel Raigrodski	2011: Lillian M. Mitchell
2005: Nyung G. Chang	2012: Judy C-C Yuan
2006: Patchanee Rungruanganunt	2014: Alexander Bendayan
2007: Shigemi Ishikawa-Nagai	2015: Matthew Palermo
2009: Nadim Baba	2016: Fatemeh Afshari
	2017: Aaron Cho

## PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECIPIENTS

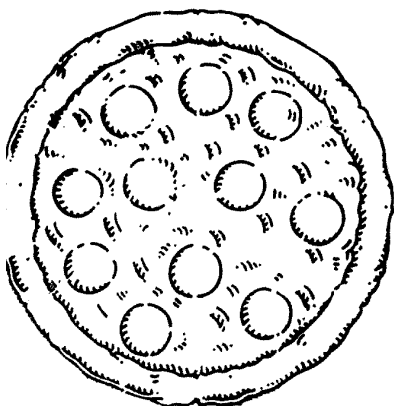
2010: Gerald Ziebert	2014: Carl Driscoll
2011: Carl Jerry Andres	2015: Wayne Campagni
2012: John R. Agar	2016: Hiroshi Hirayama
2013: William Nagy	2017: Steven Aquilino

## HONORARY MEMBERS

1956: Oscar P. Snyder	1976: Ralph Phillips
1958: Arthur O. Klaffenbach	1976: Robert J. Nelsen
1958: Ralph W. Malone	2012: Charles Gibbs
1959: George M. Hollenback	
1961: Floyd A. Peyton	

# Members Annual Business Meeting

*with Pizza and Drinks*



**THURSDAY, FEBRUARY 22, 2018**

**4:30 – 5:00 PM**

*Early Registration for Members*  
4th Floor, Halsted Foyer

**5:00 – 6:15 PM**

*Members Annual Business Meeting*  
*with Pizza and Host Bar*  
4th Floor, Marriott Ballroom

Attendance at these events is restricted to Academy Members.

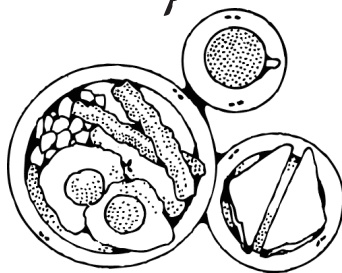
# Past Presidents and New Members Breakfast

**SATURDAY, February 24, 2018**

**7:00 AM,**

*Lincolnshire Room*  
Salon I & II (6th Floor)

New Members, Past Presidents, Officers,  
Directors only please.



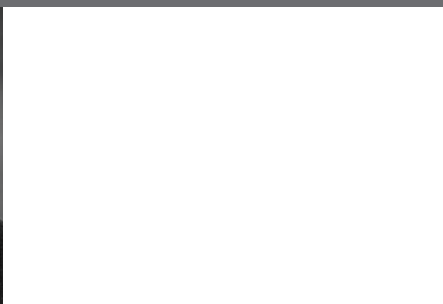


## 2018 PROGRAM CO-CHAIRS



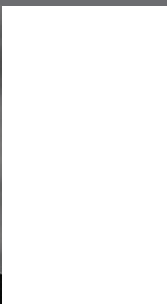
**Dr. Avinash Bidra & Dr. Sangeetha Raghavendra**

## 2017 PROGRAM CHAIR



**Dr. David Burns**

## 2019 PROGRAM CO-CHAIRS



**Dr. Mathew Kattadiyil & Dr. Robert Walter**

## EXHIBITOR DIRECTORY

### **Dr. Darshanjit Pannu, Chair, Exhibits, Committee**

All breakfasts and coffee breaks are located in the Exhibit Hall, Salon III, 7th Floor

<b>Company</b>	<b>Booth</b>
3Shape	134
Asahi Refining USA, Inc.	104
BioHorizons	126
Brasseler USA	132
Cagenix	115
Cusp Dental Research, Inc.	103
Dentsply Sirona	*135
Designs for Vision, Inc.	100
GC America	127
Glaxo	106
Henry Schein Dental	136-137
Ivoclar Vivadent	*128-129
Kettenback	113
Kuraray America, Inc.	102
MoraVision, Inc.	133
Nobel Biocare	*130-131
Panadent	101
Quintessence Publishing Co., Inc.	122-123
Renstrom Dental Studio, Inc.	105
SAM Präzisionstechnik GmbH	117
starMed Technik	116
Straumann USA	*120
TePe Oral Health	125
Valley Dental Arts, Inc.	114
Whip Mix Corporation	*118-119
Zest Dental Solutions	*121
Zimmer Biomet	*124

*\*Sponsors*

The American Academy of Fixed Prosthodontics  
67th Annual Scientific Session  
Friday, February 23, 2018  
The Chicago Marriott Hotel Downtown  
5:15 – 7:00 p.m. Chicago Ballroom, 5th Floor

1. Tylman Award First Place Winner:  
Accuracy of 3D CAM manufactured single tooth implant master casts  
Presenter: Dr. Michele Buda  
Mentor: Dr. John Sorensen  
University of Washington  
mickbuda@gmail.com
2. Tylman Award Second Place winner:  
Accuracy of three digital workflows for implant abutment and crown fabrication using a digital measuring technique  
Presenter: Dr. Stephanie Zeller  
Mentor: Dr. William W. Nagy  
Texas A&M University  
StephanieKZeller@gmail.com
3. Tylman Award Third Place Winner:  
Comparison of strength of milled and conventionally processed PMMA full arch implant immediate provisional fixed dental prostheses  
Presenter: Dr. Konstantina Angelara  
Mentor: Dr. John Sorensen  
University Of Washington  
angelara@uw.edu
4. A simple technique to record implant positions before fabricating a conversion prosthesis  
Presenter: Dr. Robert Slauch  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
slauch@uchc.edu
5. Digital workflows in the dental office, hype vs. reality  
Presenter: Dr. Collin Shuen  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
shuen@uchc.edu
6. Changes in facial esthetics with increases in OVD: an un-blinded analysis  
Presenter: Dr. David Remiszewski  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
dremiszewski@uchc.edu
7. Management of recurrent fractures of metal-resin complete arch fixed implant-supported prosthesis  
Presenter: Dr. Michael Stangler  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
stangler@uchc.edu

8. Prosthodontic rehabilitation of a traumatic anterior mandibular defect by a milled metal ceramic fixed implant-supported prosthesis  
Presenter: Dr. Joseph Lee  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
joslee@uchc.edu
9. Management of a maxillary cluster implant failure situation using extra-maxillary implants  
Presenter: Dr. Alison Loewenstein  
Mentor: Dr. Avinash Bidra  
University of Connecticut  
loewensein@uchc.edu
10. Full-mouth rehabilitation of severely worn dentition using various restorative materials: a clinical report  
Presenter: Dr. Jae-Hyun Lee  
Mentor: Dr. Sung-Hun Kim  
Seoul National University  
jplustheh@gmail.com
11. Quality of tooth preparations for milled monolithic zirconia restorations submitted to dental laboratories  
Presenter: Ms. Hadjer Sahraoui and Mr. Brian Lawson  
Mentor: Dr. Ramtin Sadid-Zadeh  
University at Buffalo  
hadjersa@buffalo.edu and brianlaw@buffalo.edu
12. Animal study: utilizing bone-morphogenic protein-2 to rescue the initially unstable implant  
Presenter: Dr. James Lee  
Mentor: Dr. Heather Conrad  
University of Minnesota  
leex8218@umn.edu
13. Integrating analog and digital workflows for full mouth rehabilitation  
Presenter: Dr. Edmond Armand Bedrossian  
Mentor: Dr. Servando Ramos  
University of Washington  
edmon1@uw.edu
14. A technique to measure space required for symmetrical prosthetic restorations in the esthetic zone  
Presenter: Dr. Melissa Hunt  
Mentor: Dr. Darshanjit Pannu  
Augusta University  
mehunt@augusta.edu
15. The anatomical articulator  
Presenter: Dr. Shereen S. Azer  
Mentor: N/A  
The Ohio State University  
azer.1@osu.edu

16. Reformatted 3D image utilization for optimized treatment planning of surgical fixture placement  
Presenter: Ms. Elizabeth Needels  
Mentor: Dr. Bharat Joshi  
New York University  
ecn256@nyu.edu
17. Association of systematic conditions with dental implant failures in 6,384 patients during a 31-year follow-up period  
Presenter: Dr. Venkata Revuru  
Mentor: Dr. Alan B. Carr  
Mayo Clinic  
Dr.revuru@gmail.com
18. An alternative immediate implant supported complete fixed dental prostheses (ISCFDP)  
Presenter: Dr. Druthil Belur and Dr. Christina Wang  
Mentor: Dr. Aaron Cho  
Texas A&M University  
dbelur@tamhsc.edu and cwang@tamhsc.edu
19. The TRIOS scanner color determination function: an in vitro comparison study  
Presenter: Dr. Kimberly R. Dennis and Dr. James D. Browning III  
Mentor: Dr. Aaron Cho  
Texas A&M University  
kdennis@tamhsc.edu and jbrowni2@tamhsc.edu
20. Optimizing your set-up for quick high-quality extra-oral photos and how it can influence your practice  
Presenter: Dr. Christopher Gonzales and Dr. Mohammed Rawas  
Mentor: Dr. Aaron Cho  
Texas A&M University  
Gonzales@tamhsc.edu and mrawas@tamhsc.edu
21. A technique of soft tissue contours development and provisional fabrication prior to implant placement  
Presenter: Dr. Panagiotis Gakis and Dr. Jonathan Parker Hawley  
Mentor: Dr. Aaron Cho  
Texas A&M University  
pgakis@tamhsc.edu and jhawley@tamhsc.edu
22. Anodizing titanium for implant esthetics  
Presenter: Dr. Amireh Awad and Dr. John Buie  
Mentor: Dr. Aaron Cho  
Texas A&M University  
awad@tamhsc.edu and jbuie@tamhsc.edu
23. Implant supported fixed prosthesis in a patient with congenital unilateral orofacial cleft defect  
Presenter: Dr. Leila Nikpour and Dr. Golsa Akbarian  
Mentor: Dr. Max Nahon  
Nova Southeastern University  
ln450@mynsu.nova.edu and ga508@mynsu.nova.edu

24. Improving polymethyl methacrylate resin using a novel nano-ceramic coating  
Presenter: Dr. Ghaith Darwish  
Mentor: Dr. Bin Yang  
University of Illinois at Chicago  
gdarwi3@uic.edu
25. Evaluation of an intraoral scanner as a shade determining tool  
Presenter: Dr. Min Jui Su  
Mentor: Dr. Servando Ramos  
University of Washington  
mjs56@uw.edu
26. Influence of inter-cuspal occlusal angulation on marginal fit of CAD/CAM lithium disilicate single crown  
Presenter: Ms. Reena Patel  
Mentor: Dr. Ramtin Sadid-Zadeh  
University at Buffalo  
reenapat@buffalo.edu
27. Prosthetic management of malpositioned implants in the esthetic zone  
Presenter: Dr. Golsa Akbarian and Dr. Leila Nikpour  
Mentor: Dr. Max Nahon  
NOVA Southeastern University  
ga508@mynsu.nova.edu and Ln450@mynsu.nova.edu
28. Comparing the stiffness of alloys in the fabrication of resin retained prosthesis  
Presenter: Dr. Francis Keeling  
Mentor: Dr. Lambis Petridis  
University College London  
keeling.francis44@gmail.com
29. Combining the digital and conventional workflow to achieve optimized clinical outcomes in fixed prosthodontic rehabilitation  
Presenter: Dr. David McReynolds  
Mentor: Dr. Michael O'Sullivan  
Dublin Dental University Hospital  
David.McReynolds@dental.tcd.ie
30. The effect of developmental endothelial locus-1 on osteoclasts and osteoblasts  
Presenter: Dr. Bashar Ghoujal  
Mentor: Dr. Seiichi Yamano  
New York University  
bashar@nyu.edu
31. Influence of inter-cuspal occlusal angulation on the retention of CAD/CAM lithium disilicate single crown  
Presenter: Dr. Emily Krolian  
Mentor: Dr. Ramtin Sadid-Zadeh  
University at Buffalo  
Ekrolian@buffalo.edu

32. A novel approach in fabricating an implant retained fixed prosthesis to replace missing teeth in a ridge defect  
 Presenter: Dr. Nathan Kosiba  
 Mentor: Dr. Cynthia Aita-Holmes  
 US Army Prosthodontic Residency  
 Nathan.e.kosiba.mil@mail.mil
  
33. Color Assessment of adhesive resin cement cured by two different curing modes bonded to lithium disilicate glass ceramics after artificial aging  
 Presenter: Dr. Mohamed M. Abubaker Elshewy  
 Mentor: Dr. Geoffrey Thompson  
 Marquette University  
 Mohamed.elshewy@marquette.edu
  
34. Immediate load All-On-Four utilizing dual surgical guide for partially edentulous patient  
 Presenter: Dr. Abdulrahman Alzahrani and Dr. Daniel Fortino  
 Mentor: Dr. Hyeongil Kim  
 University at Buffalo  
 aalzahra@buffalo.edu and Danfortino@gmail.com
  
35. Implementing digitally designed stackable guides to facilitate All-on-4 surgery  
 Presenter: Dr. Malek Rofidi Alshehri  
 Mentor: Dr. Carl Driscoll  
 University of Maryland  
 ksamalek@hotmail.com
  
36. Bacterial adhesion to implant surfaces  
 Presenter: Dr. Navpreet Khatra  
 Mentor: Dr. Radi Masri  
 University of Maryland  
 navi.khatra@gmail.com
  
37. People preferred teeth shade for different skin shades  
 Presenter: Dr. Balqees Almufleh  
 Mentor: Dr. Faleh Tamimi  
 McGill University  
 balqees.almufleh@mail.mcgill.ca
  
38. Oral rehabilitation with monolithic zirconia ceramic restorations with different translucency  
 Presenter: Dr. Francisco Javier Juarez Leyva  
 Mentor: Dr. Jose Luis Ozawa Meida  
 National Autonomous University of Mexico  
 fcoax3@hotmail.com
  
39. A modified injectable composite resin technique – clinical reports  
 Presenter: Dr. Mohammad Amir Koujan  
 Mentor: Dr. Keith Kinderknecht  
 The University of Alabama at Birmingham  
 dramir79@uab.edu

40. Accuracy and scan time for different complete-arch digital implant impression techniques  
 Presenter: Dr. Ryan M. Mizumoto  
 Mentor: Dr. Burak Yilmaz  
 The Ohio State University  
 mizumoto.1@osu.edu
  
41. Non-surgical peri-implant soft tissue management –case report  
 Presenter: Dr. Nuntaporn Rojanasakul  
 Mentor: Dr. Michael Razzoog  
 University of Michigan  
 nrojan@umich.edu
  
42. Core build-up repair at the day of delivering final restoration  
 Presenter: Dr. Ayesan Hemati  
 Mentor: Dr. Darshanjit Pannu  
 Augusta University  
 AHEMATI@AUGUSTA.EDU
  
43. Implant impression in esthetic zone  
 Presenter: Dr. Jasmine Silas  
 Mentor: Dr. Darshanjit Pannu  
 Augusta University  
 jsilas@AUGUSTA.EDU
  
44. Force required to remove prefabricated posts from teeth treated with an Er:YAG laser  
 Presenter: Dr. Jake England  
 Mentor: Dr. Anton Petrich  
 Naval Postgraduate Dental School  
 englandjake@gmail.com
  
45. CAD/CAM fabrication of a single unit screw-retained crown  
 Presenter: Dr. David W Chen  
 Mentor: Dr. Dr. Carl Driscoll  
 University of Maryland  
 dwchen@umaryland.edu
  
46. Use of a CAD-CAM-milled poly(methyl methacrylate) interim prosthesis for direct intraoral splinting  
 Presenter: Dr. Noozhan Karimi and Dr. Periklis Proussaefs  
 Mentor: Dr. Mathew Kattadiyil  
 Loma Linda University  
 nojankarimi@yahoo.com and drproussaefs@gmail.com
  
47. Clinical performance of CAD/CAM crowns provided by pre-doctoral students at Toronto University  
 Presenter: Dr. Ahmed Alamri and Ms. Mina Alikouzehgaran  
 Mentor: Dr. Omar El-Mowafy  
 University of Toronto  
 a.alamri@mail.utoronto.ca and mina.alikouzehgaran@mail.utoronto.ca



48. Human gingival epithelial growth on a polymer-infiltrated ceramic network restoration material in vitro.  
Presenter: Dr. Martin Smallidge  
Mentor: Dr. Jennifer V. Sabol  
U.S. Army Advanced Education Program in Prosthodontics  
martin.j.smallidge2.mil@mail.mil
49. Prosthodontic management of unfavorably inclined implants: a clinical report  
Presenter: Dr. Ahid Al-Shahrani  
Mentor: Dr. John A. Levon  
Indiana University  
ahalshah@iu.edu
50. Peri-implantitis: etiology, treatment, and clinical cases  
Presenter: Dr. Aneeqa Malik  
Mentor: Dr. Damian Lee  
The Ohio State University  
aneeqa.malik@gmail.com
51. Complete double arch rehabilitation on tilted implants with immediate loading using guided surgical and prosthetic protocol  
Presenter: Dr. Nisha Patel and Dr. Waleed Asiri  
Mentor: Dr. Geoffrey Thompson  
Marquette University  
nisha.v.patel@marquette.edu and waleed.asiri@marquette.edu
52. A technique for transferring emergence profile of provisional restorations to a previously made fixture level cast  
Presenter: Dr. Ali Nazar  
Mentor: Dr. Mijin Choi  
New York University  
An1924@nyu.edu
53. Digital treatment planning of full arch implant-supported restorations in an ectodermal dysplasia patient  
Presenter: Dr. Sweetey Shah  
Mentor: Dr. Damian Lee  
The Ohio State University  
shah.1186@osu.edu
54. Clinical, histological, and microbiological findings of pre-implantitis; a case report  
Presenter: Dr. Maryam Gheisarifar  
Mentor: Dr. Geoffrey A. Thompson  
Marquette University  
maryam.gheisarifar@marquette.edu
55. Multidisciplinary approach for rehabilitation of a skeletal class III patient with severe periodontitis  
Presenter: Dr. Rasoul Arbabi and Dr. Golsa Akbarian  
Mentor: Dr. Max Nahon  
NOVA Southeastern University  
ra1050@mysu.nova.edu and ga508@mysu.nova.edu

56. Treatment of the severely atrophied maxilla with zygomatic quad implants  
Presenter: Dr. Michael Cole Collier  
Mentor: Dr. Daniel Givan  
The University of Alabama at Birmingham,  
collierc@uab.edu
57. Fabrication of maxillary implant-assisted obturator with digital technology  
Presenter: Dr. Sami A Almohefer  
Mentor: Dr. John Levon  
Indiana University  
sami\_8812@hotmail.com
58. An alternative approach for managing esthetic complications with digitally fabricated complete dentures  
Presenter: Dr. Sultan E. Ainoosah  
Mentor: Dr. John Levon  
Indiana University  
sainoosa@iupui.edu
59. "The Triple Scan": transitioning from the analog to digital world utilizing superimposition  
Presenter: Dr. Nicholas R. Jacobs  
Mentor: Dr. Damian Lee  
The Ohio State University  
Jacobs.739@osu.edu
60. Application of aqueous coloring liquids to pre-sintered monolithic zirconia restorations  
Presenter: Dr. Frank I Gentz  
Mentor: Dr. Anton Petrich  
Naval Postgraduate Dental School  
frankgentz@gmail.com
61. Maintaining screw retrievability of an implant restoration with a lingual locking screw  
Presenter: Dr. Eric Hu  
Mentor: Dr. Anton Petrich  
Naval Postgraduate Dental School  
ehu570@gmail.com



**ANNUAL  
ACADEMY  
LUNCHEON**  
*CHICAGO BALLROOM*  
*5th Floor*

**Friday, February 23, 2018 | 12:00 p.m.**

**2018 STANLEY D. TYLMAN RESEARCH AWARDS\***

**DR. FEI LIU, CHAIR, TYLMAN RESEARCH COMMITTEE**

**FIRST PLACE AWARD**

**DR. MICHELE BUDA**  
*UNIVERSITY OF WASHINGTON*  
*PROGRAM DIRECTOR: DR. VAN RAMOS*  
*RESEARCH ADVISOR: DR. JOHN SORENSEN*

**SECOND PLACE AWARD**

**DR. STEPHANIE ZELLER**  
*TEXAS A&M UNIVERSITY COLLEGE OF DENTISTRY*  
*PROGRAM DIRECTOR AND RESEARCH ADVISOR:*  
*DR. WILLIAM NAGY*

**THIRD PLACE AWARD**

**DR. KONSTANTINA ANGELARA**  
*UNIVERSITY OF WASHINGTON*  
*PROGRAM DIRECTOR: DR. VAN RAMOS*  
*RESEARCH ADVISOR: DR. JOHN SORENSEN*

**GARVER-STAFFANOU PROSTHODONTIC PROGRAM DIRECTOR'S  
AWARD FOR EXCELLENCE**

*DR. JANE BREWER, CHAIR, GARVER-STAFFANOU AWARD COMMITTEE*  
**DR. JULIE HOLLOWAY**  
*2018 RECIPIENT*

**CLAUDE R. BAKER FACULTY AWARD**

*DR. CAROLINE NGUYEN, CHAIR BAKER AWARD COMMITTEE*  
**DR. NATALIE BUU HASTINGS**  
*2018 RECIPIENT*

**GEORGE H. MOULTON AWARD OUTSTANDING ACHIEVEMENT IN THE  
ART AND SCIENCE OF FIXED PROSTHODONTICS**

*DR. JESSE BULLARD, CHAIR, GEORGE H. MOULTON AWARD COMMITTEE*  
**DR. J. ROBERT KELLY**  
*2018 RECIPIENT*

**PRESENTATION OF NEW AAFP MEMBERS**

**DR. KEN CHEN, CHAIR, CREDENTIALS COMMITTEE**

*\*We wish to acknowledge the generous support of the Editorial Council of the Journal of Prosthetic Dentistry for the Tylman Research Program.*

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-SIXTH ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 23, 2018**

**INTEGRATING CONVENTIONAL AND CONTEMPORARY  
TREATMENT PHILOSOPHIES**

7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III

8:00 a.m. WELCOME: Dr. David Burns, President  
Introductory Remarks, Dr. Avinash Bidra,  
Dr. Sangeetha Raghavendra, Program Chairs  
AAFP European Meeting, Dr. Jack Lipkin

Session I Moderators: Dr. Avinash Bidra & Dr. Sangeetha Raghavendra

8:15 a.m. Dr. Mark Adams  
Keys to Predictably Providing the Third Dentition

9:00 a.m. Dr. Glenn Wolfinger  
The Evolution of the Teeth In A Day® Protocol

9:45 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited

10:30 a.m. Katherine Corcoran, JD  
Trends and Topics in Dental Malpractice Litigation

11:15 a.m. Dr. Jeffrey Okeson  
Putting TMD into Proper Perspective

12:00-2:00 p.m. ANNUAL LUNCHEON FOR MEMBERS, GUESTS, AND  
GRADUATE STUDENTS  
5th Floor Chicago Ballroom

Session II Moderator: Dr. Cornell Lee

2:00 p.m. Dr. Stanley Malamed  
What's New in Local Anesthesia – Dentistry's Most Important  
Drugs

2:45 p.m. Dr. Steve Parel  
What's Your Angle? Treatment Planning Considerations  
You May Not Have Considered

3:30 p.m. BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited

4:15 p.m. Dr. Thomas Taylor  
Occlusion and Implant Prosthodontics: What Gives?

5:00 – 7:00 p.m. ANNUAL MEMBER & GUEST COCKTAIL RECEPTION AND  
ANNUAL POSTER SESSION Chicago Ballroom, 5th Floor  
All members, guests and students invited

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-SIXTH ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 24, 2018**

**INTEGRATING CONVENTIONAL AND CONTEMPORARY  
TREATMENT PHILOSOPHIES**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- Session III Moderators: Dr. Avinash Bidra & Dr. Sangeetha Raghavendra
- 8:00 a.m. Dr. Paulo Malo  
The MALO CLINIC Bridge: History, Challenges, Advantages,  
Disadvantages, the Future
- 8:45 a.m. Dr. Martin Land  
Contemporary Prosthodontics: Contrasting Past, Present and  
Future
- 9:30 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:15 a.m. POSTER AWARDS  
Dr. Carol Lefebvre  
Dr. Ramtin Sadid-Zadeh, Poster Committee Chair
- 10:30 a.m. Dr. Vijay Parashar  
Applications of CBCT in Prosthodontic Practice and Review of  
Medicolegal Issues
- 11:15 a.m. Dr. William Martin  
Fixed Restorative Solutions for the Edentulous Arch, Planning  
Driving Predictability
- 12:00- LIGHT LUNCHEON
- 1:30 p.m. Food Served in the 7th Floor Exhibit Hall, Salon III (Exhibits will  
close at the start of the afternoon program)
- Session IV Moderator: Dr. John Agar
- 1:30 p.m. Dr. John Sorensen  
The Convergence of Modern Ceramics & Digital Technology for  
Enhanced Prosthodontics
- 2:15 p.m. Dr. Enrico Steger  
The Future of Full Prosthetics
- 3:00 p.m. Dr. Gordon Christensen  
How Has Digital Dentistry Changed Fixed Prosthodontics?
- 3:45 p.m. CLOSING REMARKS  
Dr. David Burns, President  
Dr. Sangeetha Raghavendra, Program Co-Chair  
Dr. Avi Bidra, Program Co-Chair

*For more Information about the Academy visit the AAFP Web site:  
[www.fixedprosthodontics.org](http://www.fixedprosthodontics.org)*



## **DR. MARK ADAMS**

*Keys to Predictably Providing the Third Dentition*

**Friday, February 23, 2018 | 8:15 a.m.**

### **Synopsis:**

This presentation will focus on a full-arch, immediate function protocol developed over ten years that predictably provides patients that are edentulous or nearly edentulous with a 'Third Dentition' – the implant supported fixed/detachable prosthesis, providing comfort, function and esthetics. Aspects of diagnosis and treatment planning, biomechanics and occlusion will be discussed as well as a classification system for the treatment of these patients. A step-by-step process will be reviewed and solutions to challenges and clinical complications experienced by a network of dental implant centers which has delivered in excess of 50,000 full-arch prostheses will be presented.

### **Learning Objectives:**

- Describe the need for and purpose of the full-arch dental implant supported restoration
- Describe dental implant survival rates in full-arch restorations in a multi-center network
- Discuss the biomechanical rationale and evidence supporting the full arch dental implant restoration
- Describe clinical guidelines and occlusal concepts involved with full arch dental implant restorations
- Discuss common challenges and solutions encountered in providing full-arch dental implant prostheses

### **Curriculum Vitae:**

Dr. Adams studied at the University of Michigan School of Dentistry, earning his dental degree in 1983. He furthered his studies at the University of Michigan with a Masters Degree in Prosthodontics in 1985 and served as a Clinical Assistant Professor at the University in 1985-86.

Dr. Adams practiced prosthetic dentistry in Flint, Michigan for 23 years prior to moving to Denver, Colorado where he helped start the ClearChoice Dental Implant Centers in 2006. He was a member of the team that developed the immediate function, full-arch ClearChoice protocol and established the Denver Center as the company's flagship and training center. Currently there are over 40 ClearChoice locations throughout North America. Besides his duties in the Denver Center as a practicing Prosthodontist, Dr. Adams is VP of Clinical Affairs for ClearChoice Management Services.



## **DR. GLENN WOLFINGER**

*The Evolution of the Teeth In A Day® Protocol*

**Friday, February 23, 2018 | 9:00 a.m.**

### **Synopsis:**

The Teeth In A Day® process was developed in 1993 using a unique “over-engineering” protective protocol. Continued research and developments over the past twenty-five years have created a more streamlined and efficient protocol. This presentation will chronicle the history and evolution of the process and highlight how advancements in technology have helped to improve the accuracy and predictability of the Teeth In A Day® protocol.

### **Learning Objectives:**

- The participant will learn about the history and evolution of the Teeth In A Day® protocol
- The participant will learn the process of how to fabricate a conversion prosthesis.
- The participant will learn the importance of splinting implants to avoid micromotion during the healing phase.
- The participant will learn how to incorporate digital technological advances into the Teeth In A Day® protocol.
- The participant will learn how occlusal locks can help improve the accuracy and predictability of the Teeth In A Day® provisional restoration.

### **Curriculum Vitae:**

Dr. Glenn Wolfinger is a Board Certified Prosthodontist practicing at Pi Dental Center in Fort Washington, Pennsylvania. He is a Diplomate of the American Board of Prosthodontics, a Fellow and Diplomate in the International Congress of Oral Implantologists, a Fellow in the Academy of Osseointegration, and a Fellow in the American College of Prosthodontists. He has served on committees within the Academy of Osseointegration and has served as a member of the Board of Directors of the American College of Prosthodontists. Dr. Wolfinger graduated from Tufts University School of Dental Medicine, completed a general practice residency program at Albert Einstein Medical Center in Philadelphia, and then completed a residency in combined Prosthodontics through the VA and Harvard University School of Dental Medicine in Boston. Dr. Wolfinger is a Past-President of the Pennsylvania Prosthodontic Association. He has participated in numerous research projects, has lectured internationally, and has had many articles published in refereed journals.



## KATHERINE CORCORAN, JD

*Trends and Topics in Dental Malpractice Litigation*

Friday, February 23, 2018 | 10:30 a.m.

### **Synopsis:**

Dentistry is rapidly evolving, especially as technology advances. This course discusses the nature and incidence of dental complications, emerging standards of care, associated lawsuits and ways to minimize your risk in your practice.

### **Learning Objectives:**

- Nature and incidence of dental complications
- Emerging standards of care related to dental complications
- Medico-legal issues related to dental complications
- Preventative strategies to avoid lawsuits

### **Curriculum Vitae:**

Kate is a Shareholder at Broening, Oberg, Woods & Wilson in Phoenix, AZ. She graduated from the University of Arizona, College of Law in 1999 and is admitted to all Arizona Courts and the US Supreme Court. Her practice focuses on defending all types of health care practitioners, with the majority of her time spent defending dentists in civil litigation and at the Board of Dental Examiners.





## **DR. JEFFREY OKESON**

*Putting TMD into Proper Perspective*

**Friday, February 23, 2018 | 11:15 a.m.**

### **Synopsis:**

The practitioner must be mindful that TMD is only one type of orofacial pain. In order for a practitioner to be successful, he or she must be able to separate TMD from other orofacial pain conditions so that appropriate treatment may be selected. This presentation will provide insight as to where TMD fits into total field of orofacial pain and how the clinician can confidently identify the TMD patient.

### **Learning Objectives:**

- Identify the clinical characteristics that differentiate TMD from other orofacial pain disorders.
- Describe common orofacial pain conditions that can mimic TMD.
- Understand pain referral in the head and neck.
- Appreciate why differential diagnosis is the most critical task for the clinician.

### **Curriculum Vitae:**

Dr. Okeson is Professor, Division Chief and Director of the Orofacial Pain Program, which he established in 1977. Dr. Okeson has more than 240 publications in the area of occlusion, TM disorders and orofacial pain in various national and international journals. He has authored two textbooks on TM disorders and orofacial pain, which have been translated into eleven different languages. Dr. Okeson has presented more than 1200 invited lectures on the subject of TMD and orofacial pain in all 50 states and in 54 different countries. He has received numerous teaching awards including the Acorn Award for the outstanding professor in the state of Kentucky. Dr. Okeson has also received "The International Dentist of the Year Award" from the Academy of Dentistry International. This is the highest award recognized by this Academy and was given to him in recognition of his worldwide efforts in providing education in the area of temporomandibular disorders and orofacial pain.



## **DR. STANLEY MALAMED**

*What's New in Local Anesthesia – Dentistry's Most Important Drugs*

**Friday, February 23, 2018 | 2:00 p.m.**

### **Synopsis:**

Local anesthesia forms the backbone of pain control techniques in dentistry. Dr. Malamed will discuss recent advances including: (1) Nasal spray for anesthesia of maxillary non-molar teeth; (2) Buffered local anesthetics; (3) Phentolamine – the local anesthesia reversal drug; and (4) Articaine – its use by infiltration in the adult mandible.

### **Learning Objectives:**

- Discuss the efficacy of the nasal local anesthetic spray
- Discuss the mechanism of action and efficacy of buffered local anesthetics
- Discuss the mechanism of action, efficacy, and indications for phentolamine – the local anesthesia reversal drug
- Discuss the efficacy of articaine when administered by buccal infiltration in the mandible of adult patients, either alone or as a supplement to a 'mandibular nerve block'

### **Curriculum Vitae:**

Dr. Stanley F Malamed, a dental anesthesiologist, is emeritus professor of dentistry at the Herman Ostrow School of Dentistry of U.S.C. (formerly the University of Southern California School of Dentistry)



## **DR. STEPHEN PAREL**

*What's Your Angle? Treatment Planning Considerations You May Not Have Considered*

**Friday, February 23, 2018 | 2:45 p.m.**

### **Synopsis:**

Angled or tilted implants used to support edentulous full arch restorations have become a standard in implant dentistry. As experience has grown with this approach, variations on early conventional options have correspondingly become both more varied and acceptable in our contemporary world of implant treatment planning. Some of these newer concepts can be challenging, such as considerations for earlier implant intervention in caries prone individuals, or full arch implant therapy in an aging population once thought to be candidates for only conventional removable prosthodontics. Other variants in partially edentulous situations or severe anatomic compromise can be addressed with the contemporary application of the angled approach and immediate load with more confidence than ever before, sometimes with an unexpectedly rewarding patient experience. Much of this current ability is based on the dramatic diagnostic improvements available through CBCT technology, which, as important as this may be, can also come with a procedural drawback. This presentation will focus on treatment planning options which have evolved from a clinical experience of over 35 years using an osseointegrated approach. Some of these options may not be commonly considered, but will hopefully demonstrate the improved versatility of the contemporary use of intraoral implants today.

### **Learning Objectives:**

- Understand the value of the contemporary approach of angled implant placement
- Have a greater appreciation of the broader scope of treatment applications this approach may allow
- Apply these considerations to a broader patient demographic.
- Understand a rationale for patient selection and appropriate implant numbers

### **Curriculum Vitae:**

Dr. Parel is a Diplomate of the American Board of Prosthodontics, the American and International College of Dentists, and is a member of many professional organizations, including the American Dental Association, the Academy of Prosthodontics, and the American College of Prosthodontics. His literature contributions include over 45 scientific articles as principal author, and multiple textbook contributions. He was editor and co-author of *Esthetics and Osseointegration*, a landmark reference source for implant dentistry. He authored his second book, *The SmiLine System* in 1991, and completed a third book, *Esthetic Implant Restorations* several years later. He was co-founder of *Osseointegration Seminars, Incorporated*, and has been president of *The American Academy of Maxillofacial Prosthetics*, *The Academy of Osseointegration*, and *The Osseointegration Foundation*. He has received the *Andrew J. Ackerman Award* for meritorious lifetime service in the field of Maxillofacial Prosthetics, the *Distinguished Lecturer* and *Dan Gordon Awards* from the American College of Prosthodontics, and has served as an examiner and President of *The American Board of Prosthodontists*. He recently received the *Branemark Award* for lifetime achievement in the field of Implant dentistry, the highest honor bestowed by the Academy of Osseointegration's Foundation and *The Titanium Society*. Dr. Parel has served as a professor at *Baylor College of Dentistry—Texas A&M University System Health Science Center*. Since that time until 2013, he served as the founder and director of Prosthodontics at a private Implant Specialty Clinic in Dallas, Texas. He is presently in private practice, and serves as a consultant to several companies in the implant industry.



## **DR. THOMAS D. TAYLOR**

*Occlusion and Implant Prosthodontics: What Gives?*

**Friday, February 23, 2018 | 4:15 p.m.**

### **Synopsis:**

Opinions vary widely as to what effect occlusion has on the long term success of dental implants. On one hand, we have clinicians who feel that we must shield our implants from excessive load. On the other hand, others feel that it is simply impossible to overload an implant. The truth is probably somewhere in between these extremes. This presentation will focus on the available evidence and will attempt to make some sense out of it.

### **Learning Objectives:**

- Recognize the current evidence on the effect of occlusal loading on osseointegration.
- Understand the factors involved with determining risk associated with occlusal loading.
- Understand how implant design can affect long term fatigue resistance.
- Understand how occlusal loading can affect bone levels adjacent to implants.

### **Curriculum Vitae:**

Dr. Taylor is professor and head, Department of Reconstructive Sciences and chairman, Division of Prosthodontics at the University of Connecticut School of Dental Medicine. He is involved in both clinical and laboratory research and has published extensively in the prosthodontic literature. He is a past editor of the International Journal of Oral and Maxillofacial Implants. Dr. Taylor currently serves as executive director of as well as being past president of the American Board of Prosthodontics. He is also past president of the American College of Prosthodontists, the International College of Prosthodontists and the International Team for Implantology (ITI). He is past president of the Academy of Prosthodontics and the Greater New York Academy of Prosthodontics.



## **DR. PAULO MALO**

*The Malo Clinic Bridge: History, Challenges, Advantages, Disadvantages, the Future*

**Saturday, February 24, 2018 | 8:00 a.m.**

### **Synopsis:**

This session will discuss surgical and prosthetic aspects of the All-on-4 treatment concept to restore the fully edentulous and failed dentition patient based on graftless and immediate loading principles. Highlight will be given to the prosthetic stage – The MALO CLINIC Bridge, one of today's most technological and esthetically advanced prosthetic protocols for planning and fabrication of full arch implant supported fixed restorations.

Clinical management of patients will be presented by demonstrating: overview of the surgical protocol, data gathering process, diagnosis, treatment planning, clinical and laboratorial steps for the fabrication of both provisional and final MALO CLINIC Bridges, in a protocolled evidence based manner, developed along the years to give a highly aesthetic, precise and consistent result.

### **Learning Objectives:**

- Understand the MALO CLINIC Bridge Prosthetic Protocol, going through the published literature and its clinical and laboratorial steps for fabrication and delivery;
- Acknowledge the challenges, advantages and disadvantages of this prosthetic protocol during its broad application in a specialized prosthodontics practice.

### **Curriculum Vitae:**

Paulo Malo received his dental degree from the Faculty of Dental Medicine at the University of Lisbon in 1989. He founded MALO CLINIC in 1995 and developed the MALO CLINIC Protocol, recognized worldwide as a revolution in Fixed Oral Rehabilitation – surgical techniques and innovative products such as the All-on-4®, the new Zygomatic implant and the Extra-Maxilla surgery, the NobelSpeedy® implant and the advanced technical solution MALO CLINIC Bridge.

Prof. Malo is a visiting professor at several universities, published numerous scientific journal articles and is co-author of several textbooks. Lecturing regularly at international conferences, he has also received numerous distinctions/awards for his dental breakthroughs, management, leadership and entrepreneurial skills.



## **DR. MARTIN LAND**

*Contemporary Fixed Prosthodontics: Contrasting Past, Present and Future*

**Saturday, February 24, 2018 | 8:45 a.m.**

### **Synopsis:**

Fixed prosthodontics and dental technology have undergone revolutionary change. Noble alloys are being replaced by ceramics that offer esthetic advantages and cost efficiencies. Scanning technology is a reliable adjunct. In the fabrication of fixed prostheses, use of CAD/CAM technologies has exploded. This presentation attempts to highlight and contrast classic treatment methods and technologies with contemporary options, while trying to identify current limitations in developing functional occlusion, material selection, and restoration longevity.

### **Learning Objectives:**

- Contrast conventional comprehensive prosthodontics with CAD/CAM
- Review history of Occlusion
- Compare properties and performance of Ceramic Materials
- Identify potential and limitations of new technologies

### **Curriculum Vitae:**

Martin Land received his dental degree from the University of Utrecht, the Netherlands, in 1975. He holds a specialty certificate in Fixed and Removable Partial Prosthodontics and a Master of Science degree from Indiana University. He served as postgraduate prosthodontics director and department chair of Fixed Prosthodontics at Loyola University Chicago, and as Chair of Restorative Dentistry at Southern Illinois University, where he currently is Professor of Fixed Prosthodontics.

Dr. Land is author of more than fifty refereed publications, research abstracts, several book chapters, and co-author and editor of "Contemporary Fixed Prosthodontics" now in its fifth edition and translated in ten languages. Dr. Land is the 2005 recipient of the Stephen H. Leeper Award for Teaching Excellence recognizing educators who have demonstrated vision and who have contributed significantly to the advancement of dental education, and he was recognized by the Academy as its 2017 George Moulton Award recipient.



## **DR. VIJAY PARASHAR**

*Applications of CBCT in Prosthodontic  
Practice and Review of Medicolegal Issues*

**Saturday, February 24, 2018 | 10:30 a.m.**

### **Synopsis:**

Cone beam computed tomography (CBCT) has gained broad use in the field of dental medicine, providing high resolution information in three dimensions. This course discusses the nature and use of CBCT, complications with treatment utilizing the CBCT, and potential legal risks. Also covered will be the preventative strategies to avoid dental lawsuits.

### **Learning Objectives:**

- List applications of CBCT in prosthodontic practice
- Describe the etiology of dental malpractice litigation
- Discuss the state of dental implant related civil and dental board actions
- Role of CBCT imaging in malpractice litigation
- Take-home strategies to minimize legal risk

### **Curriculum Vitae:**

Dr. Parashar received DDS from University of Detroit Mercy, MDSc and Certification in Oral & Maxillofacial Radiology from University of Connecticut. He is serving as Professor with Tenure at the Midwestern University in Arizona. He received Howard R. Raper Award and William H. Rollins Award for Research by the AAOMR. He is on the editorial review board of various national and international journals. He has conducted and published basic science, translational and clinical research with ongoing emphasis on interdisciplinary imaging research. Dr. Parashar is serving on the National Dental Board Test Construction Committee, American Dental Association Commission on Dental Accreditation (CODA) Oral Radiology Review Committee, CODA Site Visitor and Board Director of Central Arizona Dental Society.



## **DR. WILLIAM MARTIN**

*Fixed Restorative Solutions for the  
Edentulous Arch, Planning Driving  
Predictability*

**Saturday, February 24, 2018 | 11:15 a.m.**

### **Synopsis:**

The treatment of complete and single arch edentulism remains a significant priority for dental clinicians. With an aging population and advances in medicine, more patients with complex medical and dental needs, inclusive of edentulism, will require care. This presentation will address the physical complexities of edentulism and requirements of a comprehensive pre-treatment analysis. Patient treatment incorporating fixed-detachable (hybrid) prostheses and metal ceramic fixed dental prostheses will be discussed, along with recommendations for everyday practice.

### **Learning Objectives:**

- To recognize factors of significance in the assessment of treatment outcomes, with particular reference to the completely edentulous patient or potentially edentulous patient.
- Detail the 'TEAM Approach' to planning and treatment for implant patients utilizing the digital pathway.
- To understand available options to restore edentulous arches with fixed implant supported prostheses.
- Become familiar with new technologies (CAD/CAM) and materials (Teeth and alloys) that enhance the fit and function of implant restorations.

### **Curriculum Vitae:**

Dr. Martin is a Clinical Professor in the Department of Oral and Maxillofacial Surgery at the University of Florida's College of Dentistry. He received his DMD from the University of Florida and completed his MS and Certificate in Prosthodontics from Baylor College of Dentistry. Dr. Martin currently serves as the Director of the Center for Implant Dentistry.

He is a Diplomate of the American Board of Prosthodontics and a fellow of the American College of Prosthodontists, International College of Dentists, and International Team for Implantology (ITI). Dr. Martin has authored numerous peer-reviewed scientific articles and abstracts. He has co-authored several textbooks on implant dentistry, specifically the ITI Treatment Guide Vol.1, S.A.C. Classification in Implant Dentistry and most recently the ITI Treatment Guide Vol.10. He maintains a part-time practice limited to Prosthodontics within the Center for Implant Dentistry and lectures both nationally and internationally on esthetic and implant dentistry.





## **DR. JOHN SORENSEN**

*The Convergence of Modern Materials & Digital Technology For Enhanced Prosthodontics*

**Saturday, February 24, 2018 | 1:30 p.m.**

### **Synopsis:**

The synergistic interaction between modern material systems, digital technologies and software developments have propelled enormous advancements in both conventional and implant prosthodontics. Sorensen will demonstrate how these material systems and technologies facilitate increased laboratory and clinical control, predictability, efficiency and simplicity, yet produce exquisite anatomy, natural esthetics with translucency and shade gradation, and superior functional design, all with high precision. Applications from single tooth, to FMR, to full arch implant prostheses are presented.

### **Learning Objectives:**

- Understand how the processing and structure of ceramics can influence translucency, shade, strength, fracture toughness and clinical longevity.
- Be familiar with novel and current intraoral scanning systems, software programs for design and manufacturing, integration of the various parts of the digital workflow for conventional and implant surgical-prosthodontics.
- Understand the advantages and limitations of the various parts of the digital workflow in prosthodontics for both the clinical and laboratory technology side.
- Understand selection criteria for material systems, digital technologies, abutments and cements.

### **Curriculum Vitae:**

Dr. Sorensen is Professor, Department of Restorative Dentistry; Associate Dean for Graduate Studies; Director, Biomimetics Biomaterials Biophotonics Biomechanics & Technology Laboratory; Director of Research, Graduate Prosthodontics Program at the University of Washington. The B4T is actively engaged in materials science investigation, developing new diagnostic and analysis tools, research and development of digital work flows for conventional prosthodontics and implant surgical-prosthodontics, and clinical trials. Prior to the UW, Sorensen was part of an implant specialty team center in Portland, Oregon for 3 years. Previously as founder and director of The Pacific Dental Institute also in Portland, he conducted clinical trials and materials testing, and hands-on and patient treatment CE programs. At PDI he had a full-time prosthodontic practice with in-house lab for 7 years and is a diplomate of the American Board of Prosthodontics.



## ENRICO STEGER, MDT

*The Future of Full Prosthetics.*

Saturday, February 24, 2018 | 2:15 p.m.

### Synopsis:

Prosthodontics is taking impressive strides towards a new dimension of workflow. Despite Luddite tendencies among practitioners, the advent of a complete digital workflow is beginning to reshape interdisciplinary collaboration between lab technicians and doctors. These advancements allow prosthodontists to minimize chair time without risking patient satisfaction. As tools and materials develop to streamline the most complex case planning, practitioners must dive into a new realm of possibility while upholding traditional values. Highlighting the clinical application of this groundbreaking technology, Enrico Steger will provide evidence for the new dimension of digital workflow that maximizes reliability, esthetics and efficiency.

### Learning Objectives:

- New trends that will upend the status quo of complex prosthodontic case planning.
- Methods to improve interdisciplinary collaboration that will propel a new era of workflow.
- The strength of valuing a 'craft-consumer goods' mentality in a production society.

### Curriculum Vitae:

Enrico Steger MDT owns 47 patents in several countries worldwide. Starting a revolution from his own Steger Dental Laboratory, the visionary invented the Zirkograph and went on to establish Zirkonzahn in 2003. The original manual milling system for zirconia was just the beginning to a dedication of bringing full-service innovations to dentistry. Soon after, the published author developed Prettau® zirconia and the Prettau® Bridge – a high-aesthetic zirconia solution. As dentistry entered the digital age, Enrico crafted the CAD/CAM System 5-TEC and further developed premium materials for all components of esthetic restorative dentistry. With the pervasiveness of digital work, the international pioneer continues to close gaps in the workflow. Creator of The Zirkonzahn School, Enrico Steger inspires industry leaders around the globe with cutting-edge education programs and a primitive passion that sparked a career.



## **DR. GORDON CHRISTENSEN**

*How Has Digital Dentistry Changed Fixed Prosthodontics?*

**Saturday, February 24, 2018 | 3:00 p.m.**

### **Synopsis:**

During the last 15 years, fixed prosthodontics has had the most rapid change in its entire history as the digital revolution has progressed. The procedures and restorations of today do not resemble those of only several years ago.

### **Learning Objectives:**

- Compare the characteristics and clinical service potential of the several types of indirect restorations now available.
- Discuss and compare the clinical effectiveness of conventional fixed prosthodontic techniques with scanning, scanning and milling, or the upcoming printing.
- Identify the best dental cements and cementation techniques for the major indirect restoration types.
- Decide on and incorporate into practice those procedures in this presentation that will better serve your patients.

### **Curriculum Vitae:**

Gordon J. Christensen is Founder and Chief Executive Officer of Practical Clinical Courses (PCC), Chief Executive Officer of Clinicians Report Foundation (CR), and a Practicing Prosthodontist in Provo, Utah. Gordon and Dr. Rella Christensen are co-founders of the non-profit CLINICIANS REPORT FOUNDATION (previously named CRA). Currently, Dr. Rella Christensen is the Director of the TRAC Research Division of the CR Foundation. Since 1976, they have conducted research in all areas of dentistry and published the findings to the profession in the well-known CRA Newsletter now called CLINICIANS REPORT. Gordon's degrees include: DDS, University of Southern California; MSD, University of Washington; PhD, University of Denver; and two honorary doctorates. Early in his career, Gordon helped initiate the University of Kentucky and University of Colorado dental schools and taught at the University of Washington. Currently, he is an Adjunct Professor at the University of Utah, School of Dentistry. Gordon has presented thousands of hours of continuing education globally, made hundreds of educational videos used throughout the world, and published widely. Gordon and Rella's sons are dentists. William is a Prosthodontist, and Michael is a General Dentist. Their daughter, Carlene, is an Administrator in a biomedical company. He is a member of numerous professional organizations. Gordon is a Diplomate of the American Board of Prosthodontics, a Fellow and Diplomate in the International Congress of Oral Implantologists, a Fellow in the Academy of Osseointegration, American College of Dentists, International College of Dentists, American College of Prosthodontists, Academy of General Dentistry (Hon), Royal College of Surgeons of England, and an Associate Fellow in the American Academy of Implant Dentistry. Some of his other memberships include: American Academy of Esthetic Dentistry; International Association of Dental Research; Academy of LDS Dentists; American Academy of Restorative Dentistry; American Academy of Fixed Prosthodontics; Academy of Operative Dentistry; International College of Prosthodontists, and other organizations. Gordon serves on the Board of Directors for the non-profit organizations, Dental Lifeline Network, and the National Children's Oral Health Foundation.



## **DR. J. ROBERT KELLY**

*Zirconia in implant dentistry: Background and issues*

### **RESERVE SPEAKER**

#### **Synopsis:**

Zirconia is now used as a main or major part of implants, abutments and restorations. Design and ceramics processing issues are evident and surprising variations exist among manufacturers of seeming identical parts – leading to striking differences in clinical performance. This lecture will review Y-TZP as a structural material and offer insights into both good and poor practices in ceramics design and manufacturing. There are distinct design differences between metal and ceramic parts – but metal designs have been used for ceramic implant parts.

#### **Learning Objectives:**

- Review what makes Y-TZP unique microstructurally and functionally unique among polycrystalline ceramics;
- Become acquainted with basic design principles for the structural use of ceramic parts;
- Be introduced to commercial examples where these design principles were ignored;
- Learn about the failure mechanisms of zirconia and zirconia-titanium implant abutments.

#### **Curriculum Vitae:**

J. Robert Kelly teaches graduate prosthodontics and biomaterials at the University of Connecticut Health Center. His academic credentials include the D.D.S., an M.S. in dental materials science, the D.Med.Sc. in oral biology (cross-registered at MIT in ceramic engineering and glass science) and a Certificate in prosthodontics. He has served on the Council on Scientific Affairs of the American Dental Association (ADA), is Convener of the International Standardization Organization working group responsible for dental ceramics, Chairman of the ADA Standards Committee on Dental Products and Past-president, American Academy of Fixed Prosthodontics and Academy of Dental Materials. Dr. Kelly has received awards for biomedical research (Harvard), research and post-graduate education (Assoc. Military Surgeons of the U.S.) and as a clinician/scholar (American College of Prosthodontists). He has contributed to dental, engineering, and medical literature, holds eight patents, frequently lecturers before national and international dental and engineering organizations.

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FEBRUARY 22 AND 23, 2019

**“Expanding Dimensions in Fixed Prosthodontics”**

NAOKI AIBA, C.D.T.

*“DENTSCAPE: Dental Photography for Dentist-Laboratory Communication”*

GERARD J. CHICHE, D.D.S.

*“Esthetic Full-Mouth Rehabilitations”*

SILLAS DUARTE, D.D.S., M.S., PH.D.

*“Clinical Solutions for Esthetic Adhesive Rehabilitations”*

DANIEL EDELHOFF, C.D.T., D.M.D., PH.D.

*“Different types of Zirconia Ceramics and its Application – From Implant  
Abutment to Multi-Unit FDPs”*

CHARLES J. GOODACRE, D.D.S., M.S.D.

*“How to Encourage Incisal Migration of Soft Tissue Around both Teeth and  
Implants That Are Restored With Single Crowns in the Esthetic Zone”*

JIM JANAKIEVSKI, D.D.S., M.S.D.

*“Autotransplantation of Premolars to replace Traumatized Maxillary Incisors in  
the Growing Patient”*

JOSEPH KAN, D.D.S., M.S.

*“Management of Vertical Tissue Defects in the Esthetics Zone:  
Science, Art & Limitations”*

SONIA LEZIY, D.D.S., DIPL PERIO, F.C.D.S. (BC), F.R.C.D. (C)

*“New Surgical Concepts and Technologies: Creating Clear Lines of  
Communication between the Periodontist and the Restoring Dentist”*

JAIME LOZADA, D.D.S.

*“3D Printing Technology in Surgical Implant Dentistry”*

JACINTHE M. PAQUETTE, D.D.S.

*“Precision in Planning/ Precision in Care Optimizing Outcomes in Dental  
Implant Treatment”*

JEFFREY S ROUSE, D.D.S.

*“Airway Prosthodontics: An Introduction to the Future of Dentistry”*

THOMAS SALINAS, D.D.S.

*“Clinical Applications of Porcelain Fused to Metal Restorations:  
The Tried and True Experience for Full Arch and Maxillofacial Defects”*

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