



48TH ANNUAL SESSION
OCT 31-NOV 3 • BALTIMORE



Innovative Applications in Prosthodontics

*Bone Augmentation: Science
and Application*

Dental Implants: State of the Art

Dental Implants: Complications

Advances in Prosthodontics

*Advanced Dental Materials
and Technology*

Oct. 31-Nov. 3

Baltimore

acp48.com

SPONSORS:



Intended Audience

The ACP Annual Session is intended for prosthodontists, dental students/residents, general dentists, dental technicians, and other dental specialists.

Learning Objectives

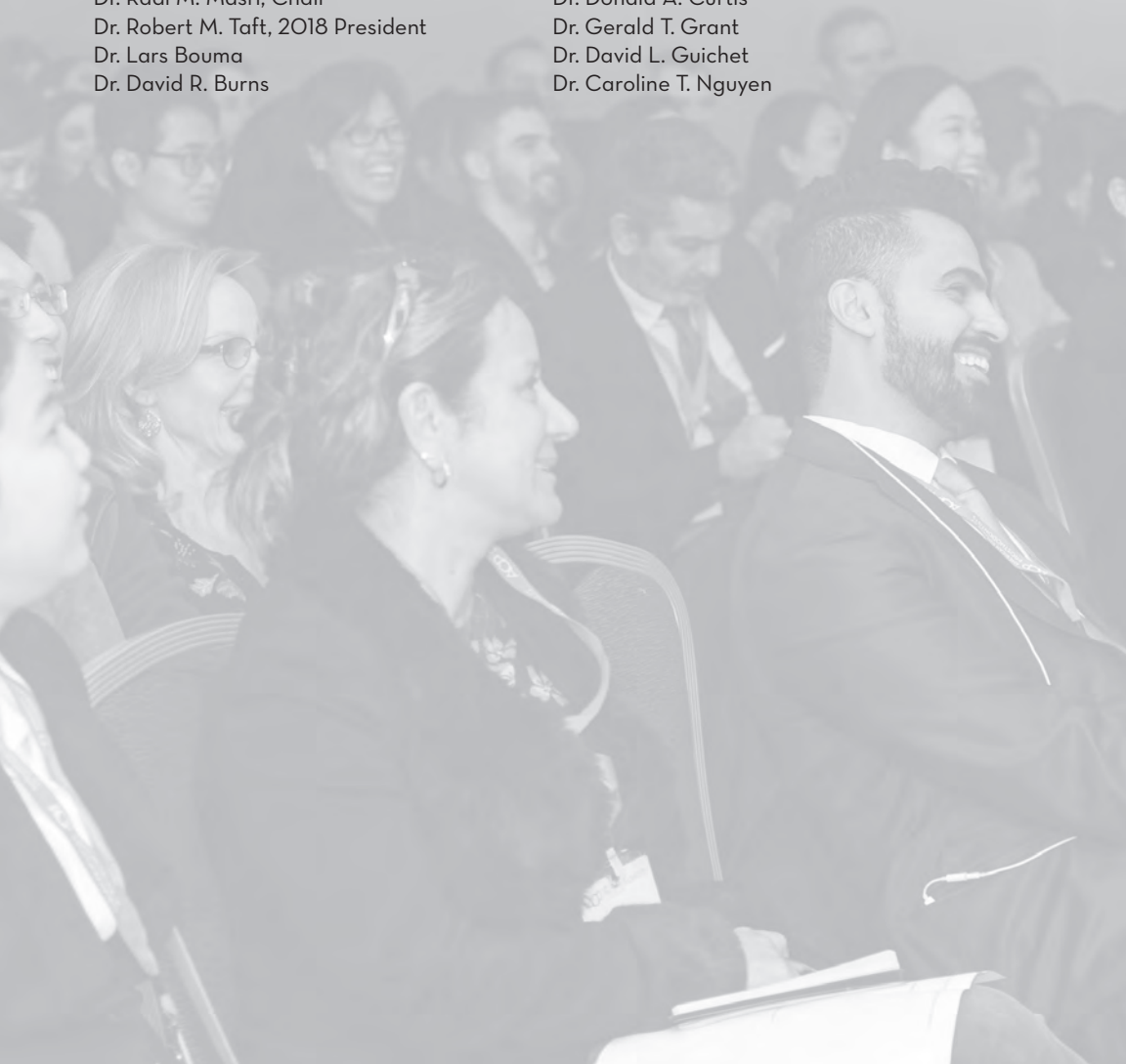
At the conclusion of this meeting, attendees should be able to:

- Develop a global understanding of the various aspects related to dental implants including bone augmentation techniques, critical factors for success, and how to avoid complications.
- Become familiar with the latest advances in prosthodontic and maxillofacial rehabilitation and get exposed to contemporary treatment protocols and materials.
- Understand advanced technologies available on the market and how they are integrated in prosthodontic workflows.

Program Committee

Dr. Radi M. Masri, Chair
Dr. Robert M. Taft, 2018 President
Dr. Lars Bouma
Dr. David R. Burns

Dr. Donald A. Curtis
Dr. Gerald T. Grant
Dr. David L. Guichet
Dr. Caroline T. Nguyen



Greetings from the Program Chair

Six years ago, around this same time, Dr. David Guichet was putting the finishing touches on the ACP's 42nd Annual Session, which was to be held in Baltimore. Little did he know that his worst nightmare was about to come true and a hurricane named Sandy would wreak havoc on the East Coast mere days before the meeting. Thankfully, the hurricane's impact on Baltimore was minimal – and the Annual Session that Dr. Guichet planned became a place for friends and colleagues to gather away from the storm and share the latest advances from our specialty.



Today, I find myself in his shoes. Preparations for the 48th Annual Session are almost complete. The speakers are confirmed and the program is set. We have a magnificent venue on the waterfront, along with a rich slate of workshops and social events. Everything is ready except for the weather forecast.

Personally, I rest assured that another hurricane is unlikely. After all, lightning never strikes in the same place twice – but inspiration often does, and that's why the Baltimore is the perfect place for this meeting.

The theme of the 48th Annual Session is simple but elegant. It is designed to highlight **Innovative Applications in Prosthodontics**. From this platform, there will be a systematic exploration of subjects including pre-prosthetic surgery and implant site development, current protocols for implant treatment, and advances in maxillofacial prosthodontics. Of course, no meeting would be complete without innovations in dental ceramics and digital dentistry.

We have been fortunate to secure a group of accomplished speakers who are considered authorities in their respective fields. The presentations are guaranteed to be cutting-edge, exciting, and packed with valuable knowledge and insights that you can put to use. Many of these innovations are astonishing, but they are also nearing a tipping point in terms of success rates and everyday presence in dental practice.



If you have never been to Baltimore, you will find much to discover. “Baltimore” is an Anglicization of an Irish name meaning “town of the big house”. In this case, the big house is the Marriott Waterfront Hotel, which has a splendid location in the Harbor East district of the city. Baltimore was recently listed on the *New York Times*’ “52 Places to Go in 2018”, ranked as one of the “the most exciting food cities” by Zagat, and called “the most underrated city in America” by Southwest Airlines’ in-flight magazine.

We can’t control the weather, but with the latest innovations in treatment protocols, materials, and advanced technologies, we can prepare for the perfect storm of patient expectations.

Looking forward to seeing you all in Baltimore!

Radi Masri

Radi M. Masri, DDS, MS, PhD, FACP
Program Chair



Schedule at a Glance

Wednesday, Oct. 31		
EDUCATION	1:00 – 4:30 P.M.	Bone Augmentation: Science and Application
WORKSHOP	7:00 A.M. – 12:00 P.M.	Joint Educators Conference
WORKSHOP	7:00 A.M. – 4:45 P.M.	Board Preparation Course
WORKSHOP	1:00 – 4:00 P.M.	Trefoil™: A Revolutionary Treatment Concept for the Edentulous Patient – Catering to the Needs of Many
EVENT	6:00 – 8:00 P.M.	Welcome Reception

Thursday, Nov. 1		
EDUCATION	7:45 A.M. – 12:00 P.M.	Dental Implants: State of the Art
EVENT	12:00 – 1:30 P.M.	Resident & Dental Student Digital Poster Session 1
EDUCATION	1:30 – 5:00 P.M.	Dental Implants: Complications
EVENT	5:00 – 6:30 P.M.	Resident & Dental Student Digital Poster Session 2
EVENT	5:30 – 6:30 P.M.	ACPEF Donor Recognition Reception

Friday, Nov. 2		
EDUCATION	7:45 A.M. – 12:00 P.M.	Advances in Prosthodontics
EVENT	8:45 – 11:30 A.M.	John J. Sharry Prosthodontic Research Competition
EVENT	12:00 – 1:30 P.M.	Resident & Dental Student Digital Poster Session 3
WORKSHOP	12:00 – 2:00 P.M.	Getting Your Paper Published: Writing and Revising Your Research
EDUCATION	1:30 – 5:00 P.M.	Advanced Dental Materials and Technology
EVENT	5:00 – 6:00 P.M.	Resident & New Prosthodontist Reception
EVENT	7:00 – 9:30 P.M.	Annual Awards & President's Dinner

Saturday, Nov. 3		
EVENT	7:30 – 9:00 A.M.	Town Hall Breakfast Meeting
EDUCATION	9:00 A.M. – 12:00 P.M.	Corporate-Sponsored Symposia

Bone Augmentation: Science and Application

1:00 – 4:30 P.M. ► Moderator: Daniel S. Greenbaum, DDS, FACP, Bergenfield, NJ

1:00 – 1:35 P.M.

Regenerative Treatment of Periodontitis and Peri-Implantitis Using Dental-Derived Mesenchymal Stem Cells

*Alireza Moshaverinia, DDS, MS, PhD, FACP
University of California, Los Angeles*

The ultimate goal of bone tissue engineering is the regeneration of a construct that matches the physical and biological properties of the natural bone tissue. Repair and regeneration of craniofacial bone defects have widely been achieved with bone grafting procedures. However, several disadvantages are associated with this treatment modality. Bone regeneration using mesenchymal stem cells (MSCs) is an advantageous alternative therapeutic option. MSCs derived from orofacial tissues are attractive postnatal stem cells with self-renewal and multilineage differentiation capacity providing superior osteogenic properties. Furthermore, the neural crest origin of these MSCs makes them a better source for jawbone regeneration. In this presentation, alternative bone regenerative properties based on concepts of tissue engineering using stem cells and growth factors will be discussed.

1:35 – 2:10 P.M.

Myths, Facts, and Future Perspectives in Bone Augmentation

*Faleh Tamimi, BDS, MSc, PhD
McGill University*

Bone augmentation is challenging and often unpredictable. It is technique sensitive and based on technologies and materials, many of which were developed decades ago. The unpredictability of these procedures highlights the need for a better fundamental understanding of the materials and physiological pathways involved. This presentation will tackle the latest developments and discoveries in biomaterials sciences, 3D bioprinting and bone physiology, and how they could help improve the predictability and success rate of bone augmentation procedures.

2:10 – 2:45 P.M.

Evidence-Based Science for Bone Grafts, Growth Factors, and Implant Success: Histologic and Histomorphometric Perspective

Hari S. Prasad, BS, MS

University of Minnesota

Research or analysis of patient outcomes for dental implants and bone grafting requires precise, scientific information. One of the best ways to evaluate new or standard procedures is microscopic examination. This presentation will be based on undecalcified histology and histomorphometric analysis of implants, autogenous grafts, allografts, alloplastic grafts, xenografts, and growth factors (i.e., BMP-2, 5, 7, PRP, stem cells). Parameters evaluated for bone grafting and bone enhancement include the quality and composition of new bone, the percentage of core sample that is new bone, host bone, and graft. Implant evaluation includes bone/implant contact, density of bone surrounding implants, and characterization of the implant and surrounding bone interaction. All of these evaluations are based on the Donath/EXAKT technique of undecalcified histotechnology to obtain thin sections for light microscopy and specimens for scanning electron microscopy. The University of Minnesota Hard Tissue Research Laboratory has analyzed more than 13,000 bone grafts core and more than 2,900 implants.

2:45 – 3:00 P.M.

Break

3:00 – 3:35 P.M.

Bone Grafting for Prosthodontists

Youssef Obeid, DDS, FACP

Chevy Chase, MD

Increasingly, prosthodontists opt to forgo referrals to a surgeon for implant placement and instead complete these procedures in-house. Proper knowledge about bone grafting, surgical techniques, and the necessary materials is crucial prior to involvement in implant surgery. An implant's restorative outcome is easily compromised by poor preparation and poor surgical ability. This lecture reviews the biology of wound healing, the principles of regenerative procedures, instructions on surgical materials, and new surgical techniques, and gives guidance on how to spot and treat complications.

3:35 – 4:10 P.M.

Evidence-Based Approach to Guided Bone Regeneration: Past, Present, and Future

Ryan Cook, DDS, MS, FACP

University of North Carolina

Hard tissue augmentation plays an important role in the prosthetic rehabilitation of partially edentulous and completely edentulous patients. Understanding the indications and limitations of different hard tissue augmentation techniques enhances a clinician's ability to diagnose and treatment plan partially edentulous and completely edentulous patients. This presentation will demonstrate how digital technology can be used to enhance hard tissue augmentation techniques.

4:10 – 4:30 P.M.

Clinical Considerations in Bone Augmentation

Panel Discussion

Welcome Reception

6:00 – 8:00 P.M.

Fee: \$75

Sponsored by:



Kick off your Annual Session experience at the Welcome Reception – an evening of fun and excitement. The reception provides an excellent opportunity to network, catch up with old friends and colleagues, and meet new people over drinks, hors d'oeuvres, and delightful conversation.



Workshops

7:00 A.M. – 12:00 P.M.

ACP Joint Educators Conference

The American College of Prosthodontists and the ACP Education Foundation are pleased to support this gathering of predoctoral and postdoctoral prosthodontics educators.

Sponsored in part by educational grants from:



7:00 A.M. – 4:45 P.M.

Fee: \$400 members
\$800 non-members

Board Preparation Course

Course Director: Avinash S. Bidra, BDS, MS, FACP, University of Connecticut Health Center

The Board Preparation Course is designed to demonstrate the process of becoming a Diplomate of the American Board of Prosthodontics. The course is recommended for prosthodontic residents as well as experienced prosthodontists who are interested in becoming board-certified. Access to the ACP Board Study Guide app for iOS and Android is included with registration.

7:00 – 7:30 A.M.

Breakfast

7:30 – 7:40 A.M.

Introduction & Welcome

*Robert M. Taft, DDS, FACP
ACP President*

*Avinash S. Bidra, BDS, MS, FACP
Course Director*

7:40 – 8:20 A.M.

Section A: Computerized Written Examination

*Geoffrey A. Thompson, DDS, MS, FACP
Marquette University*

8:20 – 9:00 A.M.

Practical Understanding and Applications of Our Prosthodontic Materials

*Stephen D. Campbell, DDS, MMSc, FACP
University of Illinois at Chicago*

9:00 – 9:20 A.M.



Coffee Break

9:20 – 10:00 A.M.

Simplifying Occlusal Concepts

*Steven M. Morgano, DDS, FACP
Rutgers University*

10:00 – 10:40 A.M.

Section D: Implant-Based Presentation and Oral Exam

*Avinash S. Bidra, BDS, MS, FACP
University of Connecticut*

Workshops

10:40 – 11:00 A.M.



Coffee Break

11:00 – 11:20 A.M.

Study Guide App

*Stephen A. Wagner, DDS, FACP
Albuquerque, NM*

*Mark Heiden, MS
ACP Central Office*

11:20 A.M. – 12:00 P.M.

Restoration of Endodontically Treated Teeth

*Nadim Z. Baba, DMD, MSD, FACP
Loma Linda University*

12:00 – 12:45 P.M.

Questions and Answers: The American Board of Prosthodontics

*Kent Knoernschild, DMD, MS, FACP
ABP President*

*David A. Felton, DDS, MSD, FACP
ABP Vice President*

12:45 – 1:45 P.M.



Lunch

1:45 – 2:25 P.M.

Section B: Part 2 Treatment

*Ankur Dahiya, BDS, MDS, FACP
Austin, Texas*

2:25 – 3:05 P.M.

Section B: Part 3 Treatment

*Tyler Thomas, DMD, MDSc, FACP
Carmel, Indiana*

3:05 – 3:25 P.M.

Break

3:25 – 4:05 P.M.

Section B: Part 4 Treatment

*Florian R. Kernen, Dr. Med. Dent., MDSc, FACP
Basel, Switzerland*

4:05 – 4:45 P.M.

Section C: Scenario-Based Oral Examination: Tips for Preparation and Mock Scenario

*Carl F. Driscoll, DMD, FACP
University of Maryland*

1:00 – 4:00 P.M.

Fee: \$45

Sponsored by:



*Space is limited
and early
registration is
recommended.*

Trefoil™: A Revolutionary Treatment Concept for the Edentulous Patient – Catering to the Needs of Many

*Frank J. Tuminelli, DMD, FACP
Great Neck, NY*

This course will present a surgical and prosthetic overview of the Trefoil™ concept with a detailed interactive restorative hands-on workshop. This new concept offers the possibility of same-day rehabilitation of the edentulous mandible or a failing dentition in the lower jaw with a definitive implant-supported prosthesis. Dr. Tuminelli will discuss his experience with Trefoil™ and how this concept has expanded the number of patients he can treat with a fixed solution by reducing the treatment cost and time for the patient. He will also highlight the simplified restorative and laboratory process. This simplified approach will allow more clinicians to offer a premium fixed solution even if their laboratory network capability is limited.

Stand Out with a New Headshot

Visit the ACP Photo Booth on **Wednesday, Thursday, or Friday** to take a professional headshot in an ACP lab coat. Photos are complimentary with Annual Session registration.

We'll send you a link to download a copy of your photo and add it to the **Find a Prosthodontist** search.



Dental Implants: State of the Art

7:45 A.M. – 1:30 P.M. ▶ Moderator: Mark C. Hutten, DDS, MS, FACP, Chicago

7:00 – 7:45 A.M.



Continental Breakfast with Exhibitors

7:45 – 7:55 A.M.

Opening Remarks

*Robert M. Taft, DDS, FACP
ACP President*

*Radi M. Masri, DDS, MS, PhD, FACP
48th Annual Session Program Chair*

7:55 – 8:00 A.M.

American Board of Prosthodontics

*Kent L. Knoernschild, DMD, MS, FACP
ABP President*

8:00 – 8:05 A.M.

ACP Education Foundation

*Leonard B. Kobren, DDS
ACPEF Chair*

8:05 – 8:45 A.M.

Immediate Versus Delayed Placement of Implants in Intact and Compromised Sockets: What We Know, What We Think We Know, and What We Still Don't Know

*Dennis P. Tarnow, DDS
Columbia University*

How to handle extraction sockets is one of the most hotly debated topics in dentistry today. This program will discuss the various methods currently used to minimize tissue injury and be the least invasive for the patient. Both intact and compromised sockets will be discussed, and the concept of “one surgery one time” will be emphasized.

8:45 – 9:25 A.M.

Key Surgical Factors to Achieve Optimized Esthetic Long-Term Results with Implant-Supported Prostheses

*Daniel Buser, DMD, Dr. Med. Dent.
University of Bern*

This lecture will address the essential factors to achieve optimized esthetic outcomes in partially edentulous patients in daily practice from a surgical point of view. These factors include (a) a detailed understanding of the tissue biology, (b) a detailed esthetic risk assessment to examine anatomic risk factors, (c) implant placement in a correct 3D position according to the concept of comfort and danger zones for tissue-level and bone-level implants, (d) contour augmentation with guided bone regeneration (GBR) on the facial aspect to improve the local bone anatomy for esthetic soft tissue contours, and (e) a tension-free primary wound closure to protect applied biomaterials during initial wound healing. The surgical techniques will be presented in single-tooth gaps and in extended edentulous spaces with multiple missing teeth. Special information will be provided concerning the selection of appropriate bone grafts and biomaterials for GBR procedures, preferred incision techniques, and flap designs in esthetic sites and different treatment options for implant placement in post-extraction sites in the esthetic zone.

9:25 - 10:00 A.M.

Variable Considerations in Vertical Tissue Augmentation in the Esthetic Zone

*Joseph Y. Kan, DDS, MS
Loma Linda University*

Vertical tissue regeneration to optimize anterior implant gingival esthetics is daunting. While regenerating bone/gingiva vertically is achievable, it does not necessarily translate to tissue esthetics, especially in the final few millimeters where the tissue meets the prosthesis. This often means the difference between having an esthetic-looking implant restoration versus a long crown without papillae or crown with artificial gingival. This presentation will focus on variable considerations to attain those critical final millimeters in partially edentulous vertical defects in the esthetic zone.

10:00 - 10:30 A.M.



Coffee Break with Exhibitors

10:30 - 11:20 A.M.

State of the Art: Hard Tissue Augmentation for the Dental Implant Patient

*Peter K. Moy, DMD
University of California, Los Angeles*

Numerous surgical procedures use various donor materials to augment deficient alveolar ridges for enhancement of volume and/or quality of hard and soft tissues. Recent focus has emphasized a “minimally invasive” approach to augmentation procedures. This concept, to provide patients with the least invasive procedure, would obviate the use of secondary donor sites to provide autogenous bone or gingival tissue. Advances in material science have produced numerous options to achieve the best clinical outcome with minimum morbidity and low risk for the patient. This presentation will review the biologic process of bone and gingival tissue healing and how this correlates with the specific surgical technique and biologic donor materials. The availability of specific growth factors will change the surgical field and alleviate the risks patients face when there is a need to harvest autogenous donor materials. A look into future applications for growth factors will be provided.

11:20 A.M. – 12:00 P.M.

Strain-Induced Bone Adaptation: A Determinant for Effective Prosthodontic Therapy

Sunita P. Ho, PhD

University of California, San Francisco

Functional loads on the dentoalveolar fibrous joint are transferred in ways that are poorly understood. The dynamic fibrous joint consists of the alveolar bone, periodontal ligament, and tissues related to the tooth including cementum. The importance of this dynamic joint lies in the fact that bone is integrated with the ligament, and ligament is integrated with cementum of the tooth. As a result, the balanced crosstalk between tissues can be easily tipped toward increased formation or resorption with loading and/or disease. These adaptations will be discussed within the context of loading. Ex vivo biomechanical studies using higher spatial and chemical resolving technologies (micro X-ray computed tomography) and strain mapping (digital volume correlation) will be discussed to highlight the effect of complex/tissue adaptations to loading in ways that were not previously possible. Results will also highlight the importance of subsurface strains proximal, distal, and around the dental implants. Our discussion will focus on tissue adaptations to loads and how function-induced strain can modulate tissue properties relevant to prosthodontics therapies.

12:00 – 1:30 P.M.



Refreshment Break with Exhibitors

Dental Implants: Complications

1:30 – 5:00 P.M. ► Moderator: *Caroline T. Nguyen, DMD, MS, FACP,*
University of British Columbia

1:30 – 2:10 P.M.

Is Plastic in the Patient's Best Interest?

Carl F. Driscoll, DMD, FACP

University of Maryland

Traditional full-arch fixed implant restorations that have been used for years have proven fruitful for both patient and prosthodontist. However, long-term clinical observations combined with recent literature now raise questions on the efficacy of this treatment. This presentation will question the rationale behind what we are doing and investigate the potential long-term effects of this treatment.

2:10 – 2:50 P.M.

Implant Prosthodontics: Art in Understanding Science

*Chandur Prem Karl Wadhvani, BDS, MSD
Bellevue, WA*

Restoring dental implants is arguably the most important aspect related to successful implant therapy. Osseointegration is not the issue – the main concern relates to soft tissue integration and the permanence of the “mucosa-restoration junction”. This is the area prosthodontists work in and must monitor to determine if the implant is healthy or requires intervention. This lecture will explore the need for a paradigm change, looking at how to best integrate, protect, and restore this valuable site and how future implant components are helping to develop and improve the soft tissue attachment.

2:50 – 3:30 P.M.

Biologic Complications: How to Prevent Them and How to Deal with Them

*Gil A. Alcoforado, DMD, PhD
Lisbon, Portugal*

Since the establishment of the concept of osseointegration, the use of endosseous implants has not stopped growing. For some years, implants have been used to substitute missing teeth of partially edentulous individuals. It has been suspected that periodontal conditions of patients could negatively influence the health of the peri-implant tissues. Several systemic and local risk factors have also been identified and will be discussed. The etiopathogenesis of mucositis and peri-implantitis will be presented as well as their diagnosis and their treatment. Prevention is the key for maintaining healthy peri-implant tissues in order to minimize the risks for implant failure.

3:30 – 4:10 P.M.

Soft Tissue Complications in Implant Dentistry: How to Avoid or How to Treat Them

*Carlo Ercoli, DDS
University of Rochester Eastman Institute for Health*

The presence of adequate volume and types of soft tissues around dental implants has been a topic of debate for many years. While adequate bone volume is critical to successful implant placement, a growing body of evidence indicates that the characteristics of the soft tissues also have a clear influence on the behavior of the underlying bone and the peri-implant soft tissue indices, and affect the success rate of the overall implant treatment. Soft tissue implant site development techniques should be considered an integral part of comprehensive prosthodontic treatment planning and be used not only for site development before implant placement, but also during or after implant placement for simultaneous optimization of the implant site and/or for the treatment of short- and long-term complications. This presentation will focus on the indications, clinical techniques, and troubleshooting related to soft tissue augmentation in the context of comprehensive prosthodontic implant therapy.

THURSDAY, NOV. 1

4:10 – 5:00 P.M.

Avoiding and Managing Complications: An Increasingly Important Factor in Contemporary Prosthodontics

Dean Morton, BDS, MS, FACP

Indiana University

Complications are unavoidable, but consideration of biological, mechanical, or technical risk factors at the planning stage can reduce the likelihood of negative outcomes. Recognizing that many complications are iatrogenic in nature, the importance of meticulous execution in the treatment phase will be considered. This presentation will focus on sound planning and treatment principles designed to reduce the incidence of complications and improve manageability of them when they occur. Emphasis will be placed on incorporation of contemporary diagnostic options and treatment protocols as they relate to avoidance and management of complications.

ACPEF Donor Recognition Reception

5:30 – 6:30 P.M.

Sponsored by:



The ACP Education Foundation invites all donors to celebrate this year's accomplishments and learn more about how their contributions further the mission of the Foundation. Please look for your invitation this summer.



Resident & Dental Student Digital Poster Session

**Moderator: Sang J. Lee, DMD, MMSc, FACP,
Harvard University**

Sponsored by:



Residents and dental students are invited to present an e-poster, which can focus on research results, clinical outcomes, laboratory techniques, or topics of general interest to ACP members or guests. For details and to apply, visit **acp48.com**. Applications are due Sept. 14. Sessions will be held on Thursday and Friday.

Advances in Prosthodontics

7:45 A.M. – 12:00 P.M. ► Moderator: Julie A. Holloway, DDS, MS, FACP, University of Iowa

7:00 – 7:45 A.M.



Continental Breakfast with Exhibitors

7:45 – 7:55 A.M.

49th Annual Session Preview

Nadim Z. Baba, DMD, MSD, FACP

Loma Linda University

ACP President-Elect

Carlo Ercoli, DDS

University of Rochester Eastman Institute for Health

49th Annual Session Program Chair

7:55 – 8:40 A.M.

Maxillofacial Trauma and Reconstruction Related to Blast Injuries Sustained in the Iraq and Afghanistan Wars

Michael J. Will, DDS, MD, FACS

Ijamsville, MD

The presentation will review the mechanisms of injury related to the maxillofacial blast injuries from the wars in the Middle East, along with primary trauma management followed by secondary and tertiary reconstruction. The reconstructions will include the use of flaps, autologous bone grafts, and alloplastic reconstruction. The cases will emphasize hard- and soft-tissue reconstruction as well as dental rehabilitation and return of form and function. The cases were managed with a multi-disciplinary approach using surgeons, prosthodontists, and other supporting dental specialties.

8:40 – 9:20 A.M.

Options and Innovations in Maxillofacial and Mandibular Reconstruction

Dennis Rohner, MD, DDS, PhD

Aarau, Switzerland

Meticulous planning using 3D models and virtual software tools is a prerequisite for maxillofacial and mandibular reconstruction. The use of vascularized free flaps for the reconstruction of maxillofacial defects is now the standard procedure. Correct positioning of the flap, adequate reconstruction of soft tissue, and functional rehabilitation of the occlusion are decisive to the treatment's success and outcome. The combination of dental implants with free flaps and the rehabilitation of a functional occlusion are challenging. Quality of life is an important gift especially for tumor patients in their last period of life.

9:20 – 10:00 A.M.

Maxillofacial Reconstruction: From Intuitive Two Dimensional Planning to Modern Day Approach and Application*Thomas J. Salinas, DDS, FACP**Mayo Clinic*

The challenges posed by surgical and prosthetic reconstruction of complex maxillofacial defects have evolved over the last three decades. Starting with advances made in microvascular surgery, autotransplant of composite tissues was used to advance reconstruction of mandibular defects. Increasing awareness of predictability and the demand for repair of simple and multi-planar defects of the orofacial region made an indelible footprint in the approach for these patients. Concurrent technology capabilities have increased the scope of this unique application such that preoperative planning has afforded less operative time and fewer sequential procedures to traverse traditional healthcare barriers. Assessments of this approach will relate to convalescent, psychologic, and economic advantages that lend a perspective to determine if our care for patients has improved.

10:00 – 10:30 A.M.

**Coffee Break with Exhibitors**

10:30 – 11:10 A.M.

Dynamic Navigation for Dental Implants and Beyond*Robert W. Emery, BDS, DDS**University of Maryland*

The literature shows that guided implant placement is significantly more accurate and precise than freehand placement. This results in more predictable restorative outcomes and decreased incidence of peri-implant inflammation. Dynamic navigation allows the implant team to guide every implant on every patient in an efficient and ergonomic fashion. This presentation will review the principle of dynamic navigation, the literature, implementation, and clinical application, along with clinical examples.

11:10 A.M. – 12:00 P.M.

Evolving Concepts of Patient Care*Jacinthe M. Paquette, DDS, FACP**Newport Beach, CA*

The progressive introduction of new technologies and dental biomaterials continues to redefine our approach to treatment of the esthetic rehabilitative patient. Yet, with each advancement, one must reflect on the potential for contribution to greater successful outcomes versus following current trends. Past treatments once viewed as “state of the art” can sometimes be viewed as “dinosaurs of the past” due to today’s options. Although the quest to recreate nature has been fulfilled for many patients, the objective of this presentation will be to critically examine the current evolution of treatment options.

12:00 – 1:30 P.M.

**Refreshment Break with Exhibitors**

Advanced Dental Materials and Technology

1:30 – 5:00 P.M. ► Moderator: Gerald T. Grant, DMD, MS, FACP, University of Louisville

1:30 – 2:15 P.M.

Zirconia as a Dental Ceramic: Current Status and Future Trends

Jérôme Chevalier, PhD

University of Lyon – INSA Lyon

This presentation will give an overview of historical perspectives of zirconia as a biomaterial in addition to covering current trends that include new zirconia-based materials and new processing technologies.

2:15 – 2:55 P.M.

Advanced Dental Materials and Technology

Daniel Hans-Joachim Edelhoff, CDT, Dr. Med. Dent., PhD

University of Munich

Digital technologies access additional useful information to create greater predictability for the final treatment result. With the transfer into monolithic polymer materials, innovative options for the clinical evaluation of esthetics and function are available. CAD/CAM-fabricated bi-maxillary full-anatomic splints allow the clinician to explore the final treatment goal in reversible test drives. The transfer into definitive restorations can be divided into multiple treatment steps, minimizing risk factors of complex rehabilitations. Long-term clinical experiences with different material types will be provided and analyzed.

2:55 – 3:35 P.M.

Evidence-Based Prosthetic Protocols for Implant Restorations in the Esthetic Zone

Julia G. Wittneben, PD, Dr. Med. Dent., MMSc

University of Bern

The prosthetic finalization of an implant-supported restoration remains challenging even after a successful surgical stage. The possibilities and expectations of achieving a successful functional and esthetic outcome have been raised with the evolution of implant designs, prosthetic components, and dental materials. This lecture will present a prosthetic treatment workflow with the background of randomized clinical studies. The overall focus will remain on the (fixed) prosthetic phase of implant dentistry. Specifically, soft tissue conditioning technique with a fixed implant-supported provisional, ceramic implant abutment selection, and the choice of the retention type will be discussed. The lecture will be presented with support from randomized clinical studies and meta-analyses.

3:35 – 4:15 P.M.

3D Engineering in Contemporary Implant Prosthodontics

*Wael Att, DDS, Dr. Med. Dent., PhD
Tufts University*

The main goal of comprehensive dental rehabilitation is to achieve a pleasing harmony between the face, smile, and teeth. Clinicians have implemented a number of tools to evaluate the relationship between the different components of the face and provide guidance for treatment planning as well as for the fabrication of the definitive restorations. The goal of digitally driven 3D engineering tools is to improve examination, diagnosis, and treatment of the dental patient. However, it is still questionable whether such digital tools facilitate improved accuracy in data acquisition, superior efficacy in treatment planning, and a more controlled manufacturing process. This presentation will provide an overview of the digital workflow in implant dentistry and discuss possibilities when using a conventional or a digital approach.

4:15 – 5:00 P.M.

Sponsored by:



The Science and Engineering of Contemporary Removable Prosthodontics

*Nadim Z. Baba, DMD, MSD, FACP
Loma Linda University*

Dentistry has fully embraced the digital age and its integration into one of the oldest treatments in dentistry is proof that it is here to stay. Computer-aided design and computer-aided manufacturing (CAD/CAM) of complete dentures was introduced following the success of CAD/CAM in implant and fixed prosthodontics. CAD/CAM complete dentures have seen exponential growth in the dental market with the number of commercially available CAD/CAM denture systems growing every year. Interest in CAD/CAM has also been affected by a reduction in the number of dental laboratory technicians with extensive experience and expertise with traditional fabrication processes. This presentation will cover key aspects related to the current status of computer technology for the fabrication of complete dentures and removable partial dentures.



Workshops & Events

8:45 – 11:30 A.M.

Sponsored by:



John J. Sharry Prosthodontic Research Competition

Chair: Geoffrey A. Thompson DDS, MS, FACP
Marquette University

The Sharry Competition is held to stimulate and acknowledge original research in prosthodontics by residents. Abstracts are due by June 1. Visit acp48.com for guidelines.

12:00 – 2:00 P.M.

Fee: \$25

Sponsored by:

WILEY

Getting Your Paper Published: Writing and Revising Your Research

Galen B. Schneider, DDS, PhD, FACP, Sharon C. Siegel, DDS, MS, MBA, and Hai Zhang, DMD, PhD, FACP

This workshop, aimed at residents and early career academics, will provide insight into preparing research for publication, including writing and revising. *Journal of Prosthodontics* editors will discuss tips for writing and submitting research and review common mistakes found in manuscripts. During a Q&A session attendees can ask general questions on the review process or specific questions regarding current research. Clinical trials and human subject research, including ethical considerations, advantages and disadvantages, and reasons to conduct each study type, will be discussed. Lunch will be provided.

5:00 – 6:00 P.M.

Sponsored by:



Resident & New Prosthodontist Reception

Mix and mingle with your co-residents and colleagues from across the country. Light refreshments will be provided.

Annual Awards & President's Dinner

7:00 – 9:30 P.M.

Fee: \$185

Sponsored by:



Celebrate this year's accomplishments and achievements during the Annual Awards & President's Dinner. Don't miss the opportunity to enjoy an evening with colleagues and honor individuals who have made exceptional contributions to the College and the specialty. New ACP Fellows will be recognized. Dr. Robert M. Taft, ACP President, will present the 2018 President's Award and other Awards of Distinction. Dr. Nadim Z. Baba will be inducted as 2019 President.

Events & Education

7:30 – 9:00 A.M.



Town Hall Breakfast Meeting

Enjoy breakfast with fellow members from your region and ACP Board members. Don't miss the opportunity to exchange ideas and share your perspective on key issues in the specialty.

9:00 A.M. – 12:00 P.M.

Corporate-Sponsored Symposia

Attendees may receive CE credit by attending professional symposia presented by:



Improving Treatment Results with Digitally Assisted Diagnostics and Treatment Planning

Jonathan Ng, DDS

Comprehensive Treatment Concepts with Static and Dynamic Guided Surgical Procedures

Peter Moy, DMD

A Revolutionary Treatment Concept for the Edentulous Patient – Trefoil™ System

Frank J. Tuminelli, DMD, FACP

Extending the Boundaries of Esthetics

Joseph Y. Kan, DDS, MS



Implant Solutions for the Edentulous Patient: Making the Right Decisions

Mark S. Montana, DDS

Digital Workflows

Mark E. Ludlow, DMD, MS

Angulated Screw Access for Atlantis CustomBase: Expanding the Possibilities for Screw-Retained Solutions

Mark S. Montana, DDS



Integration of Digital Workflow for Predictable Prosthodontic Practice

John A. Sorensen, DMD, PhD, FACP

Reimagining Prosthodontics with Digital Technology

Lee Culp, CDT

Digital Removable: The Next Chapter

Frank R. Lauciello, DDS, FACP

Visit acp48.com for more details.

Registration & General Information

**Register by
Sept. 24
and Save!**

Visit acp48.com to register online or download registration forms.

	Before Sept. 24	After Sept. 24[†]
Member/Fellow*	\$850	\$1000
Non-Member Dentist	\$1550	\$1700
Resident/Graduate Student Member	\$325	\$475
Predoctoral Student Alliance Affiliate	\$325	\$475
Academic Alliance Affiliate	\$625	\$775
Global Alliance Affiliate	\$625	\$775
Forum Organization Member**	\$925	\$1075
Dental Technician Alliance Affiliate	\$425	\$575
Non-Affiliate Dental Technician	\$925	\$1075
Advanced Program & Graduate Student Alliance Affiliate	\$325	\$475
Dental Assistants, Hygienists, Office Staff	\$325	\$475
Exhibits Only (One Day Pass)***	\$150	\$150
Guest Registration****	\$125	\$125

Workshops and Events Fees

Board Preparation Course	\$400 (Member) \$800 (Non-Member)
Trefoil™: A Revolutionary Treatment Concept for the Edentulous Patient - Catering to the Needs of Many	\$45
Welcome Reception	\$75
Getting Your Paper Published: Writing and Revising Your Research	\$25
Annual Awards & President's Dinner	\$185

[†] Late Fees may be waived for government employees only. Contact the ACP for details.

* Includes International, Active Life, Retired Life, and Honorary Members.

** Members of the following Prosthodontic Forum Organizations: AAED, AAFP, AAID, AAMP, AO, AP, AES, APS, GNYAP, ITI, NGS, PCSP, SCAD, and SEAP.

*** This includes a one-day exhibit hall pass (no access to educational programs). Must select Thursday or Friday. This is intended for dental professionals, not industry representatives.

**** Paid registrants may register a maximum of one guest. This includes one exhibit hall pass only (no access to educational programs). This is not intended for prosthodontists or other dental professionals. All dental professionals will be required to pay full registration and fees to access continuing education sessions at the meeting.

On-site Registration Hours

Wednesday, Oct. 31. 6:00 A.M. – 6:00 P.M.
Thursday, Nov. 1..... 6:00 A.M. – 5:00 P.M.
Friday, Nov. 2..... 7:00 A.M. – 4:00 P.M.

Lab Coat Photo Booth Hours

Wednesday, Oct. 31...7:00 A.M. – 4:00 P.M.
Thursday, Nov. 1..... 7:00 A.M. – 4:00 P.M.
Friday, Nov. 2..... 7:00 A.M. – 4:00 P.M.

Exhibit Hall Hours

Thursday, Nov. 2..... 7:00 A.M. – 3:00 P.M.
Friday, Nov. 3..... 7:00 A.M. – 2:00 P.M.

Register Early

Complete your registration by Sept. 24 for the best rate. Registrations postmarked, date-stamped, or received after this date will be processed as an on-site registration and will incur an additional \$150 fee. All registrations must include payment to be processed. Workshop and event tickets are limited and may not be available for purchase on-site.

Confirmation and Badges

After your registration form or online registration has been received and processed, an official confirmation will be sent via email. All badges and registration materials will be held for you at the on-site registration desk.

Join, Register, and Save!

Not an ACP member? Join the premier organization dedicated to the prosthodontic specialty and save on attendance at this year's Annual Session! Your membership will be active through Dec. 31, 2019.

To join, download a membership application from Prosthodontics.org and submit it with your completed Annual Session registration form with full payment by Sept. 24. Only applications accompanied by ALL supporting documentation will be considered.

For more information on member benefits and services, contact the ACP Central Office Membership Services Department by email at jlara@prosthodontics.org or by phone at (312) 573-1260.

Hotel Information

Baltimore Marriott Waterfront
700 Aliceanna St.
Baltimore, MD 21202

Group Rate: \$269 single/double exclusive of applicable taxes. The deadline to receive the ACP group rate is Sept. 28.

Reserve your room by going to: <https://aws.passkey.com/go/AnnualSession2018> or by calling (800) 228-9290. Please refer to the American College of Prosthodontists 2018 Meeting to receive the group rate.

Please note that the ACP holds rooms based on past attendance history. All meeting attendees are urged to reserve their rooms early. The ACP cannot guarantee that the block will not sell out prior to the Sept. 28 deadline.



Travel Arrangements

You are encouraged to contact your preferred air carrier/car rental company to secure your transportation needs.

Cancellation Policy

Notice of cancellation must be made in writing and sent by email to education@prosthodontics.org or by fax to (312) 573-1257.

Refunds will be processed within two weeks of receipt in writing. All cancellations are subject to a \$50 processing fee. Refunds for meeting registration fees minus the \$50 processing fee will be given only if written notice of cancellation is received no later than Sept. 24. A 50% refund minus the \$50 processing fee will be issued if written notice is received between Sept. 24 and Oct. 8. No refunds will be issued after Oct. 8; therefore “no shows” will not be eligible for a refund. The ACP is not responsible for travel expenses or penalties under any circumstances. In the event of a cancellation by the ACP, all registrants will receive a full refund of any registration fees paid.

Kosher Meals

Kosher meals are available upon request. To request kosher meals, please email education@prosthodontics.org or call (312) 573-1260.

Attire

Business casual (tie optional) is the recommended attire for educational sessions.

Children

Children up to the age of 18 must be accompanied by an adult at all times. Children are not allowed in the Exhibit Hall or education sessions.

Continuing Education Credit

22.75 credit hours are available at the 2018 Annual Session. This includes the education sessions, the Resident & Dental Student Digital Poster Session, and the Corporate-Sponsored Symposia.



The American College of Prosthodontists is an ADA CERP Recognized Provider. 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 board of dentistry. Concerns

or complaints about a CE provider may be directed to the provider or to ADA CERP at www.ada.org/cerp.

The American College of Prosthodontists is designated as an Approved PACE Program Provider by the Academy of General Dentistry. The formal continuing dental education programs of this program provider are accepted by AGD for Fellowship/Membership and membership maintenance credit. Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. The current term of approval extends from 11/1/2014 to 10/31/2018. Provider ID#: 214690.




The American College of Prosthodontists is a National Board of Certification in



Dental Laboratory Technology (NBC) approved continuing education provider for dental technicians. Continuing education credit awarded for participation in the CE activity may not apply toward license renewal in all states. It is the responsibility of each participant to verify the requirements of his/her state licensing board(s) and submit the form provided by the ACP to receive credit.

Program Disclaimer and Code of Conduct

All programs and events are subject to change and/or cancellation because of scheduling conflicts, low registration, and/or circumstances beyond the control of the ACP. The ACP does not recommend or endorse a specific test, product course of treatment, procedure, opinion, or other information mentioned during the ACP Annual Session. The ACP, its contractors, and attending news media may be photographing, videotaping, audio-taping, or webcasting education sessions and events at the Annual Session. By attending the ACP Annual Session, attendees



acknowledge these activities and agree to allow their image to be used by the ACP in association publications, on the ACP's website, and in marketing and promotional materials. Photo images are made available to Annual Session attendees and may also be shared with the media. Attendees at the Annual Session waive all claims against the ACP for any liability resulting from these uses.

Only official contracted ACP vendors and working journalists with ACP approved press credentials will be permitted to photograph, video, and/or audio tape education sessions, the Exhibit Hall, pre-conference sessions, and events. Individuals recording with personal video/audio equipment or other recording

devices (i.e. cell phones, digital or film cameras, or tape recorders) without prior permission from the ACP or without proper credentials will be asked to cease recording or using these devices immediately.

The ACP is dedicated to providing a safe, harassment-free, and inclusive meeting experience for all participants. Participants in ACP meetings include members, registrants, guests, staff, speakers, sponsors, exhibitors, and Board members. The ACP does not tolerate harassment of meeting participants in any form. Any violations will be taken seriously and handled in accordance with the ACP's code of conduct policy, which is posted at acp48.com.



Invite Your Referral Network

When potential referral sources see the state-of-the-art solutions and advances in technology, materials, and treatment planning on display at the ACP Annual Session, they'll understand the complex problems you can solve and the advanced patient care that you can deliver. This meeting is a great opportunity to increase referrals and improve collaboration by inviting dental professionals from your referral network to attend as your guests.

Members may sponsor non-prosthodontist dentists to attend the Annual Session at a discounted rate - only \$700 each. Download the referral form from acp48.com. Return the form by email to omoukayed@prosthodontics.org; by fax to (312) 573-1257; or by mail with check to: American College of Prosthodontists, 5198 Eagle Way, Chicago, IL 60678-5198.

Thank you
to our sponsors!



ACP **T18** 48TH ANNUAL SESSION
OCT 31-NOV 3 • BALTIMORE

211 E. CHICAGO AVE.
SUITE 1000
CHICAGO, IL 60611



*Register by
Sept. 24
and Save!*