

Academy of Osseointegration

Science,
Collaboration *and*
Clinical Excellence
for 30 Years

San Francisco



osseointegration.org

ADA CERP® | Continuing Education
Recognition Program

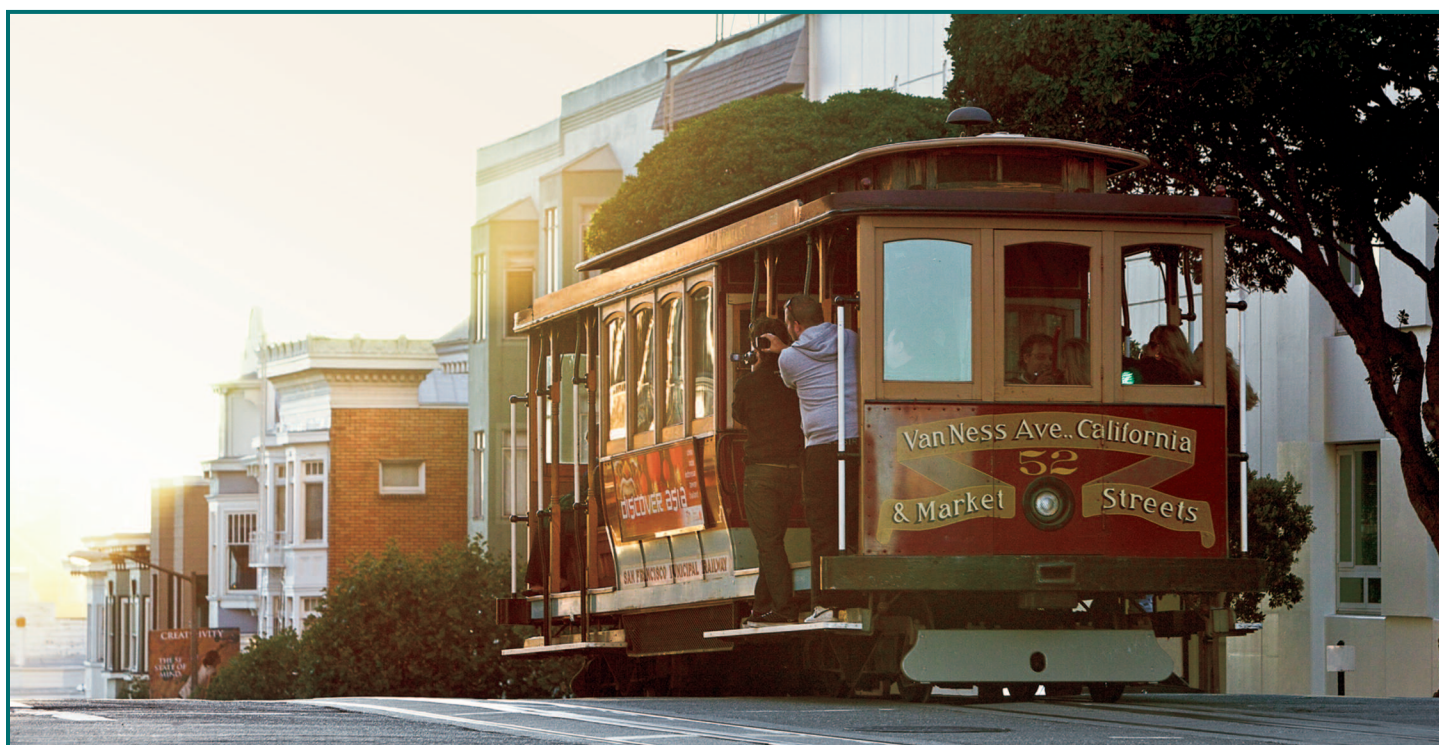
REGISTRATION PACKET
30TH ANNUAL MEETING

March 12-14, 2015

Moscone West Convention Center

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San Francisco Travel Association photo by Scott Chernis.

Reaching a top speed of 9.5-mph a California Street cable car pauses before it continues its journey to the end of the line near Market and Drumm streets.

Greetings from the Program Chair



Dr. Donald Clem

On behalf of the Annual Meeting Program Committee, I would like to invite you to the 30th Annual Meeting of the Academy of Osseointegration, March 12-14, 2015 in San Francisco, California.

It has been an honor to be a part of the 30th anniversary program for the Academy. This meeting, *Science, Collaboration and Clinical Excellence for 30 Years*, will reflect on what we have learned as well as look forward to the future of implant dentistry. One of the hallmarks of this academy is the commitment to collaboration and the team approach. When disciplines come together and manage patients, as a well-integrated team, those that entrust us with their care get the best of each of us. In addition, this approach has led to some of the most important and innovative advances in implant dentistry. As our population ages, patient management will become more complex. The team will need to function with greater collaboration moving forward.

Among the top new features are *Morning with the Masters*, daybreak educational sessions which feature leading innovators in the field of implant dentistry; a symposium dedicated to dental professionals from South Korea; and electronic posters where, for the first time, AO-member research will be presented on flat-screen monitors instead of cardboard and paper.

Our meeting will kick off on Thursday morning with the popular Corporate Forums, which highlight the latest innovations from a collection of our industry's leading corporations. Following the Corporate Forums, our first of three scheduled E-Poster presentations will take place during lunch in the Exhibit Hall.

The Opening Symposium, *The Power of Collaboration and the Team Approach*, assembles an international group of clinicians. Our dynamic Keynote Speaker, Dr. Daniel Alam, is a notable facial plastic surgeon who performed the first near-total face transplant in the United States. His address, *Transplanting Faces. Transforming Lives: The Power of Many Helping One*, will highlight the critical importance of different disciplines collaborating to support a patient's medical, surgical and emotional needs to make them whole again. Following Dr. Alam, Drs. Sonia Leziy and Brahm Miller, Adriano Piattelli and Marco Degidi and Dennis Tarnow and Stephen Chu will further demonstrate how team approach can be applied to implant dentistry with the finest in surgical and restorative care.

Join us in the Exhibit Hall Thursday evening for our traditional Welcome Reception and E-Poster presentations. Enjoy hors d'oeuvres, refreshments and networking as you visit our exhibitors.

Friday's new *Morning with the Masters* sessions are smaller group sessions to provide you the opportunity to interact with world-renowned experts who offer ideas to challenge your current approaches to implant dentistry. Our Surgical and Restorative Tracks and Oral Clinical Abstract

presentations will complete Friday morning's sessions and showcase specialists in their respective fields, presenting a variety of timely considerations for you to contemplate.

After lunch, join us for the *Focus on South Korea* Symposium. South Korea is a leader in clinical research in the dental implant industry, so we invited a group of our distinguished colleagues from South Korea to participate in this symposium which will be presented in English.

Science in Treatment: What's the Evidence? on Friday afternoon will provide insight into implant surface, size, loading time and particulate bone grafts. Dr. Clark Stanford will also be presenting the findings from AO's 2014 Summit on the Edentulous Maxilla.

Following the last scientific sessions of the day on Friday, the New Product Showcase returns, at which clinicians and dental companies meet in a relaxed, social environment. Attendees can experience first-hand product demonstrations and interact with company representatives as new products will be launched and showcased, many for the first time.

Dr. and Mrs. Joseph Gian-Grasso will host the President's Reception, Friday evening, which is complimentary to all attendees and registered guests. This event promises to offer an exciting and fun-filled evening as we visit The Exploratorium at Pier 15. The Exploratorium is a museum of science, art and human perception that will have you following your curiosity and asking questions leading to amazing moments of discovery, learning and awareness of how the world works while having fun in the process. Transportation will be provided for this premier social event that you won't want to miss.

Saturday will offer full-day programs for both the *TEAM* and *Dental Laboratory Technicians*. The *Achieving Clinical Excellence in a Challenging Environment* session will offer advice on creating a treatment plan for difficult cases while *Considerations for Monday Morning's Patient* will focus on after-care and maintenance of implants and potential complications.

Saturday afternoon, Arthur Curley, JD, will present *Ethics in Implant Dentistry* providing pertinent information that we can take away and incorporate into our practices.

The *Closing Symposium* will be an exciting interactive session that I am really looking forward to. *Putting it All Together: Two Missing Adjacent Teeth in the Esthetic Zone: Options for Treatment* will feature moderators Paul Rosen and Maurizio Tonetti interacting with six of the top clinicians in our field, Drs. Oded Bahat, Bobby Butler, Fereidoun Daftary, Kenneth Hinds, Robert Levine and Craig Misch for their take on multiple cases involving two missing adjacent teeth. Audience participation is encouraged.

As you can see, the 30th anniversary of the Academy's Annual Meeting will have so many exciting educational and networking opportunities that you can't miss. We invite you to mark your calendar and register for the meeting today and we look forward to seeing you in San Francisco in March.

General Information

ABOUT SAN FRANCISCO

From grand, sweeping views to neighborhood color and character, from glimpses of history to world-class dining and shopping – San Francisco is home to a little bit of everything.

San Francisco is often called “Everybody’s Favorite City,” a title earned by its scenic beauty, cultural attractions, diverse communities, and world-class cuisine. Measuring 49 square miles, this very walk-able city is dotted with landmarks like the Golden Gate Bridge, cable cars, Alcatraz and the largest Chinatown in the United States. A stroll of the City’s streets can lead from Union Square to North Beach to Fisherman’s Wharf, with intriguing neighborhoods to explore at every turn. Views of the Pacific Ocean and San Francisco Bay are often laced with fog, creating a romantic mood in this most European of American cities.

REGISTRATION

Register before February 9th to take advantage of the advance registration discount*. Registration fees for doctors and students include:

- Most scientific sessions (including TEAM Program and Laboratory Technician programs)
- Admission to the Corporate Forums and Exhibit Hall
- Thursday’s Welcome Reception
- Friday’s President’s Reception
- Continental Breakfasts
- Complimentary Lunches in the Exhibit Hall

The Meeting Registration Desk will be located in the Level 1 Lobby of the Moscone West Convention Center starting at 3:00 pm on Wednesday, March 11th.

**Membership applications must be received at least two weeks before each registration deadline to be considered for the discounted “Member Rate.”*



San Francisco Travel Association photo by Can Baloglu.

HOUSING INFORMATION

The meeting will be held at the Moscone West Convention Center in San Francisco, California.

Hotel reservations must be made online at www.osseo.org or by phone.

Hotel Rates:

San Francisco Marriott Marquis\$294 Single / Double
(+16.25% tax)

Intercontinental San Francisco\$269 Single / Double
(+16.315% tax)

Internet: For best availability, make your reservation online at www.osseo.org.

Phone: If making reservation by phone, call the following phone numbers and ask for the AO room block.

San Francisco Marriott Marquis..... (877) 622-3056

Intercontinental San Francisco (866) 781-2364

**The deadline for hotel reservations is
Friday, February 6, 2015.**

Hotel reservations/rate availability are not guaranteed after the room block is full or after **February 6, 2015**. Please register early – only a limited number of rooms are available.

A portion of the room rate will subsidize the cost of the meeting space rental.

TEMPERATURE

The average March temperature in San Francisco is a low of 48°F to a high of 62°F.

AO OFFICIAL TRAVEL AGENCY

To book your reservation, call the AO’s official travel agency, Uniglobe Preferred Travel, at 1-800-626-0359 and after the prompt dial “0” (M-F 8:30 am – 5:30 pm CST).

If you prefer you may:

Book your travel online at www.uniglobepreferred.com. Scroll down and click on Rapid-Rez links. When the booking page comes up, click on “Create New User”. Enter personal information, click “done”; the next page is for more detailed personal information – here you must enter a credit card number and billing address to make a reservation. Scroll down and click “Save”. Click on the “Travel Planner” tab to make a reservation and select AO for the “Trip Reason”. Please record your User ID and your Password for future use. Booking on this site will have a reduced agency service fee of \$15.



General Information

AIRPORT INFORMATION

San Francisco International Airport (SFO) lies just 14 miles south of downtown San Francisco. Approximate time to downtown ranges between 20-30 minutes depending on the time of day and mode of transportation.

Oakland International Airport (OAK) is located approximately 20 miles from downtown San Francisco. Approximate time to downtown is 30 minutes depending on the time of day and mode of transportation.

DISCOUNTED SUPERSHUTTLE AIRPORT TRANSFER SERVICE

Book SuperShuttle online and receive a 10% discount as an AO meeting attendee!

Simply visit <http://groups.supershuttle.com/academyofosseointegration30thannualmeeting.html> and follow the directions. You can have your reservation confirmation e-mailed to your cell phone for easy reference. Book one-way or round-trip to receive the 10% discount.

BART (BAY AREA RAPID TRANSIT)

Whether you're arriving or departing from San Francisco International Airport (SFO) or Oakland International Airport (OAK), BART is a fast, convenient way to go. It's really easy and better for the environment.

BART's new system makes it convenient to pre-purchase a round trip from SFO to any BART station in San Francisco or the East Bay. Buying a BART voucher also lets you avoid the hassles of waiting in line to buy a ticket. Just buy a Voucher now, print it and take it with you. When you arrive at SFO go to the International Terminal-G Information Booth, just outside the BART station and redeem the Voucher for your ticket. Then go to the station and board the train.

The SFO BART station is located at International Terminal – G. Trains depart 3-4 times an hour for San Francisco and other BART destinations. The trip to four downtown San Francisco stations takes 25-30 minutes. BART fare from SFO to Pittsburgh/Bay Point Station (closest to hotels) is approximately \$24 round trip or approximately \$12 one-way.

For more detailed information including schedules, fares, and SFO BART Voucher pre-purchase, go to www.bart.gov/guide/airport.

TAXI/CAB

Taxi or cab service for up to four persons costs approximately \$45.

TOURS

Visit www.towertours.com/reserve_tours.html for local tour information. After selecting your tour packages, enter discount code "OSSEO" for additional savings.

CONTINUING EDUCATION CREDIT INFORMATION

ADA C.E.R.P.[®] | Continuing Education Recognition Program

The Academy of Osseointegration 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 boards of dentistry. *Concerns or complaints about a CE provider may be directed to the provider or to the ADA CERP at <http://www.ada.org/375.aspx>*

The Academy of Osseointegration designates this activity for 22.25 continuing education credits. Credit is awarded and based on actual number of contact hours, excluding Corporate Forum presentations, breaks, meals and registration periods. Attendees may claim fewer hours in accordance with their actual attendance. *(CE credits are earned by attending all scientific sessions except for the Corporate Forums.)* The formal continuing education program for the Academy of Osseointegration is accepted by the Academy of General Dentistry (Recognition # 145608) for Fellowship/Mastership credit. The current term of acceptance extends from 5/1/2014-6/30/2018.

The Academy of Osseointegration is the sole provider of continuing education and is responsible for the program content and faculty selection. The Academy assures that all continuing education presentations are independent of commercial influences. In addition, the Academy of Osseointegration ensures that the scientific basis for clinical and technical CE content is presented in each course through a peer-review process. Speakers are also required to provide an assessment of the benefits and risks associated with any clinical recommendations or treatment options presented.

SPOUSE/GUEST PROGRAM

The Academy of Osseointegration is pleased to offer spouse and companion programs for everyone in your travel group. If you are planning to bring a guest, please complete the "Spouse/Guest" portion of the registration form. The fee provides your guest with entry to the following:

- Thursday evening Welcome Reception
- Friday evening President's Reception; and
- Exhibit Hall

Schedule-at-a-Glance

WEDNESDAY, MARCH 11

3:00 – 7:00 pm
Registration

THURSDAY, MARCH 12

6:30 am – 6:00 pm
Registration

8:00 – 8:45 am
Corporate Forum 1A

9:00 – 9:45 am
Corporate Forum 1B

10:15 – 11:00 am
Corporate Forum 2A

11:15 am – noon
Corporate Forum 2B

Noon – 1:00 pm
**Complimentary Lunch and E-Poster
Presentations in the Exhibit Hall**

Noon – 1:00 pm
New Member Luncheon

Noon – 6:45 pm
Exhibit Hall Hours

1:00 – 5:15 pm
**Welcome Remarks and Opening
Symposium: *The Power of Collaboration
and the Team Approach***

5:15 – 6:45 pm
**Welcome Reception and E-Poster
Presentations in the Exhibit Hall**

FRIDAY, MARCH 13

6:30 am – 4:00 pm
Registration

7:00 – 8:00 am
Morning with the Masters

8:00 – 11:55 am
**Oral Clinical Abstract Research
Presentations**

8:00 am – noon
**Surgical Track: *Current Surgical
Challenges in Practice***

8:00 am – noon
**Restorative Track: *Current Restorative
Challenges in Practice***

9:00 am – 4:00 pm
Exhibit Hours

Noon – 1:30 pm
**Complimentary Lunch and E-Poster
Presentations in the Exhibit Hall**

1:30 – 5:00 pm
Focus on South Korea Symposium

1:30 – 5:00 pm
**Science in Treatment:
What's the Evidence?**

1:30 – 5:10 pm
Clinical Innovations

1:30 – 5:15 pm
**Oral Scientific Abstract Research
Presentations**

5:15 – 6:45 pm
New Product Showcase

7:00 – 9:00 pm
**President's Reception at the
Exploratorium**

SATURDAY, MARCH 14

7:00 am – 4:00 pm
Registration

8:00 am – 4:00 pm
TEAM Program

8:00 am – 4:00 pm
Laboratory Technician Program

8:00 am – noon
**Achieving Clinical Excellence in a
Challenging Environment**

8:00 am – noon
**Considerations for Monday
Morning's Patient**

9:00 am – 2:00 pm
Exhibit Hours

Noon – 1:30 pm
Complimentary Lunch in the Exhibit Hall

Noon – 1:30 pm
Lunch & Learn Sessions

1:30 – 2:00 pm
Annual Business Meeting

2:00 – 2:30 pm
Ethics in Implant Dentistry

2:30 – 5:00 pm
**Closing Symposium: Interactive
Session: *Putting it All Together –
Two Missing Adjacent Teeth in the
Esthetic Zone: Options for Treatment***

QUESTIONS?

Contact the AO Executive Office
85 W. Algonquin Rd., Suite 550
Arlington Heights, IL 60005

Phone: (800) 656-7736 or

(847) 439-1919

Fax: (800) 416-7736 or

(847) 439-1569

E-mail: academy@osseo.org

Website: www.osseo.org

8:00 am – noon

Corporate Forum sessions are open to all Annual Meeting registrants at no charge

NOT FOR
CREDIT

This collection of sessions offers a unique and significant opportunity to view the latest research and developments in the field of craniofacial implant technology. The Academy is offering 36 industry-hosted presentations featuring the latest implant technology. Registrants may attend any presentation with the option of changing rooms at any time.

The topics and presenters are selected by the participating companies without any input from the Academy of Osseointegration.

Please note: No CE Credit is provided for the Corporate Forum sessions.

Participating companies include:



**Complimentary Lunch
and E-Poster Presentations
in the Exhibit Hall**

Noon – 1:00 pm

**Exhibit
Hours**

Noon – 6:45 pm

Thursday, March 12

Opening Symposium

1:00 – 1:15 pm

Welcome and Opening Remarks

Joseph Gian-Grasso, DMD, AO President; and
Donald Clem, DDS, Annual Meeting Program Chair



Dr. Joseph Gian-Grasso



Dr. Donald Clem

1:15 – 5:15 pm

The Power of Collaboration and the Team Approach

1:15 – 2:00 pm

Keynote Speaker

Transplanting Faces. Transforming Lives: The Power of Many Helping One

Daniel Alam, MD



Objectives: Upon completion of this presentation, participants should be able to:
1) describe the multidisciplinary evolution of face transplant surgery; 2) critically evaluate the ethical aspects of facial transplantation and its potential indications; and 3) discuss the role of teamwork and collaboration in new scientific discovery.

2:00 – 2:45 pm

The Team Approach for Success: Implant Aesthetics – New Approaches, Limitations and Challenges



Sonia Leziy, DDS and
Brahm Miller, DDS

Objectives: Upon completion of this presentation, participants should be able to: 1) recognize treatment planning and surgical problems and their impact on the restorative outcome for both teeth and implants; 2) review current procedures and materials used to alter bone levels and soft tissue quality and volume around teeth and implants; 3) discuss the role of immediate implant placement and restoration in guiding tissue form, recognizing the risks, while understanding the potential benefits; and 4) explain definitive restoration and how to anticipate the restoring colleague's requirements.

2:45 – 3:30 pm

The Quest for the Esthetic Implant Reconstruction

Adriano Piattelli, MD, DDS
and Marco Degidi, MD, DDS



Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the fundamental pillars to achieve a predictable outcome in implant restorations in the esthetic area; 2) identify the biological foundations of immediate restoration and peri-implant tissue health; and 3) describe the principles and the rationale of the conometric concept.

3:30 – 4:15 pm

Refreshment Break in the Exhibit Hall

4:15 – 5:15 pm

Managing the Failing Dentition

Dennis Tarnow, DDS and
Stephen Chu, DMD, MSD,
CDT



Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the current concepts, surgical and prosthetic techniques, and evidence-based outcomes associated with the treatment of a failing single anterior tooth with contemporary post-extraction socket therapies; 2) apply novel treatment strategies in the management of such aforementioned case types as well as multiple adjacent teeth in the aesthetic zone; and 3) design a treatment plan when to save or remove an ailing implant in the aesthetic zone in addition to the timing and sequence of treatment.

Exhibit Hours

Noon – 6:45 pm

Welcome Reception and E-Poster Presentations in the Exhibit Hall

5:15 – 6:45 pm

New! Morning with the Masters

7:00 – 8:00 am

Members: \$95 – Non-Members: \$125

Please register online at www.osseo.org or on the registration forms on pages 25 and 26. Attendance is limited.

All Morning with the Masters presentations run concurrently.

M-1

The Current Status of GBR: What are the Options?

Sascha Jovanovic, DDS, MS

This course will cover the biologic principles which GBR is based on, the indications, the clinical protocols in successful cases and in cases with complications, as well as the materials needed to achieve predictable success with horizontal and vertical ridge augmentation in healed ridges and in extraction sites. In addition, an overview will be given on how growth factors like rhPDGF, rh BMP-2 and blood concentrated can influence the current GBR protocols.

Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the clinical protocols to achieve predictable success with GBR; 2) identify the materials needed for horizontal and vertical ridge augmentation; and 3) describe how growth factors affect a GBR bone graft technique.



M-2

Masters on the Teeth and Implant Esthetics

Fereidoun Daftary, DDS, MScD

Achieving the function and aesthetic outcomes which contemporary patients expect requires an orchestrated approach to periodontal and prosthetic planning, reconstruction and long term maintenance. Although advancement in techniques and technology made it possible for the dentist to deliver ideal restorations over the implants, until most recently the effects of craniofacial growth in the adult patient and dental implant has been absent from dental literature in part due to the fact that these changes take many years to manifest themselves.

Objectives: Upon completion of this presentation, participants should be able to: 1) explain how to evaluate pink and white esthetic score; 2) discuss the elements affecting the longevity of implant esthetics; and 3) describe the effect of aging and implant esthetics.



M-3

Current Status of Surgical/Restorative Treatment Options for the Edentulous Maxilla

Michael Block, DMD

This presentation will demonstrate an algorithm of preoperative findings that lead to specific full arch prosthetic management. The use of physical measures, cone beam scanning, CT planning software, and models for final setup will be used to select an overdenture, hybrid, or zirconia prosthetic design. Multiple cases will be shown.

Objectives: Upon completion of this presentation, participants should be able to: 1) describe the use of cone beam scanning and software planning to determine implant placement related to final prosthetic design; 2) explain the prosthetic and surgical techniques to create a full arch provisional with minimal chair time; and 3) discuss the etiology of the most common adverse events associated with maxillary full arch immediate prosthetics.



M-4

Surgical Management of Peri-implantitis

Bradley McCallister, DDS, PhD

This presentation will describe surgical approaches to implant repair from peri-implantitis destruction. The etiology and outcomes will be detailed along with the current literature to support the approaches utilized.

Objectives: Upon completion of this presentation, participants should be able to: 1) describe the available methods for implant detoxification during implant repair surgery; 2) identify bone grafting choices and the rationale for different materials; 3) explain the primary and secondary etiologies of peri-implantitis; and 4) discuss what can be accomplished with implant repair and identify indications for implant removal, rather than repair.



Friday, March 13

New! Morning with the Masters

7:00 – 8:00 am

Members: \$95 – Non-Members: \$125

Please register online at www.osseo.org or on the registration forms on pages 25 and 26. Attendance is limited.

All Morning with the Masters presentations run concurrently.

M-5

Restorative/Laboratory Considerations in Achieving Predictable Outcomes

Markus Blatz, DMD, PhD and
Michael Bergler, CDT, MDT



New technologies are constantly changing clinical and laboratory protocols and workflows. Numerous CAD/CAM systems have been introduced to the market and offer a significantly more reliable and precise fabrication process as well as a whole range of new materials for implant-supported restorations than traditional fabrication protocols. Excellent esthetic features (i.e., translucency) paired with favorable physical and biological properties have made high-strength ceramic materials true alternatives to conventional dental alloys in a variety of clinical indications. For long-term clinical success, however, and to take full advantage of the unique material properties, it is crucial for the laboratory technician and the dentist to understand new workflows, advantages and limitations, as well as clinical and laboratory protocol changes for these technologies and materials.

This presentation will provide an update on new technologies while recognizing the importance of a team approach between dental technician and clinician in the digital age. Clinical and laboratory guidelines for long-term success with tooth- and implant-supported ceramic restorations, based on the most current scientific evidence, will be presented and illustrated.

Objectives: Upon completion of this presentation, participants should be able to: 1) describe clinical and laboratory workflows, clinical guidelines, and technical requirements for ultimate esthetic and functional success with CAD/CAM restorations; 2) list physical and optical properties of current ceramic materials and their selection as well as clinical and laboratory handling based on the most current scientific evidence to achieve long-term clinical success; and 3) relate the importance of a team approach and 3D communication tools between clinician and dental technician in the digital age.

M-6

Highlights of JOMI: Six Articles That May Change Your Thinking (Complimentary)

Steven Eckert, DDS, MS



Dental implants have been used worldwide since the 1930s. Early implant procedures were generally associated with short-term implant survival followed by failure that carried with it extensive changes in anatomic form. The modern era of implant dentistry began with the introduction of the concept of "osseointegration". This presentation will identify publications that were pivotal in the profession's changing attitude towards implant dentistry. The presentation will address best available evidence at the time that evidence was provided and will identify specific articles that have been instrumental in moving the profession towards a better appreciation of quality of evidence.

Objectives: Upon completion of this presentation, participants should be able to: 1) 1) explain how scientific literature can change clinical practices; 2) discuss the importance of time dependent data; and 3) describe the factors of study bias, directness of research, consistency of evidence and precision of outcomes.



San Francisco Travel Association photo by Can Balcioglu.

8:00 am – noon

Current Surgical Challenges in Practice

8:00 – 8:40 am

Management of Implant Complications

Mark Handelsman, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify the peri-implant mucositis, peri-implantitis and crestal bone loss around dental implants and understand the progression of disease and risk factors associated with these peri-implant diseases;
- 2) establish an early diagnosis and intervention plan, which will contribute to more effective management of peri-implant diseases, and allow for selection of the appropriate treatment;
- 3) evaluate and avoid complications associated with implants and be able to treat them accordingly; and
- 4) select the ideal periodontal maintenance protocol to establish healthy tissues around dental implants.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

10:30 – 11:10 am

New Perspectives on Vertical Augmentation

István Urbán, DMD



Objectives: Upon completion of this presentation, participants should be able to:

- 1) discuss indications, patient selection and treatment alternatives for vertical augmentation;
- 2) describe the principles of the surgical procedure; and
- 3) explain why scientific documentation is superior compared to anecdotal techniques.

8:40 – 9:10 am

Guided Surgery: Heaven or Hell?

Jaime Lozada, DMD



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify the limitations of guided surgery;
- 2) describe the available applications of guided surgery for single, partial and completely edentulous patients;
- 3) discuss the degree of inaccuracies that we can expect from guided surgical procedures; and
- 4) explain how surgical planning can be misapplied obtaining undesirable outcomes.

11:10 – 11:50 am

Immediate Implant Placement: What are the Limits?

Hugo De Bruyn, DDS, PhD, Prof



Objectives: Upon completion of this presentation, participants should be able to:

- 1) inform his/her patients of the expected clinical outcome of immediate implant placement (with and without immediate provisionalization) in terms of implant survival and bone healing;
- 2) discuss the criteria for patient selection leading to a predictable treatment outcome;
- 3) describe the aesthetic aspects affected by soft tissue healing, biotype and restorative treatment; and
- 4) explain the clinical guidelines for case selection, surgery and prosthetic restoration.

9:10 – 10:00 am

A Novel Approach to Immediate Implant Placement at Multi-rooted Molar Sites

Otto Zuhr, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify situations where immediate implant placement is possible in the posterior area;
- 2) explain how to achieve more stability during implant bed preparation; and
- 3) describe better implant positions at multirooted extraction sites.

11:50 am – noon

Discussion

**Oral Clinical
Research
Presentations**

8:00 – 11:55 am

**Complimentary Lunch
and E-Poster Presentations
in the Exhibit Hall**

Noon – 1:30 pm

8:00 am – noon

Current Restorative Challenges in Practice

8:00 – 8:30 am

The Digital Restorative Process

Frank Higginbottom, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe digital implant planning options,
- 2) explain how to incorporate new technology into your practice; and 3) discuss digital impressions and CAD/CAM restorations in diagnosis and treatment planning.

8:30 – 9:00 am

Orthodontic Use of Dental Implants for Optimal Restorative Outcomes

Brody Hildebrand, DDS, MS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe the application of Interdisciplinary Treatment (IDT) planning from the beginning of the treatment planning process; 2) explain the benefits and contra indications for the incorporation of orthodontic treatments into a patient's implant treatment planning process; and 3) discuss the advantages and mechanisms for optimal utilization of IDT treatment planning techniques.

9:00 – 9:30 am

Material Selection and Laboratory Protocols for Restorative Success

Markus Blatz, DMD, PhD
and Michael Bergler, CDT,
MDT



Objectives: Upon completion of this presentation, participants should be able to: 1) differentiate modern materials and their indications in implant dentistry; 2) discuss laboratory protocols and CAD/CAM technology and its diverse applications; and 3) explain guidelines for patient-based material selection and long-lasting esthetic restorations for single to full-mouth implant-supported restorations.

9:30 – 10:00 am

Cantilevered Implant Restorations

Curtis Becker, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe implant-retained fixed cantilever prosthesis as a valid treatment alternative;
- 2) explain certain clinical conditions where implant-retained cantilever prosthesis is advantageous; and
- 3) discuss the long-term utilization of implant-retained fixed cantilever restorations.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

10:30 – 11:00 am

Management of Implants in the Esthetic Zone: The Realities after 27 Years of Follow-up Care in Private Practice

Gary Solnit, DDS, MS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) recognize esthetic situations that may result in either incisal edge discrepancies or open proximal contacts years later;
- 2) evaluate the occlusion on esthetic restorations and properly adjust them before failure; 3) describe techniques to aid in the removal of permanently placed restorations and methods to locate hidden access holes when materials do fail and replacement is necessary; and 4) provide a decision guide when planning esthetic restorations.

11:00 – 11:30 am

Controversies in Assessing Implant Stability – Is Tight Right?

Michael Norton, BDS, FDS, RCS(Ed)



Objectives: Upon completion of this presentation, participants should be able to:

- 1) define primary stability; 2) discuss the impact of high insertion torque on the bone/ implant interface and whether this enhances or prohibits favorable bone healing; 3) provide a proposed protocol for delivering optimal primary stability from both a mechanical and biological perspective; and 4) recognize that the goal in implant dentistry is not primary stability but early onset secondary stability with optimal bone response.

11:30 am – noon

Restorative Options for Maxillary Overdentures (Full and Partial)

Robert Vogel, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) discuss the benefits of implant-retained dentures and removable partial dentures;
- 2) describe current concepts and techniques for treatment of the edentulous maxilla with removable prosthesis; 3) explain the potential for an improved quality of life for partial and fully edentulous patients; and 4) provide tips and techniques to reduce complications and clinical stress.

**Complimentary Lunch
and E-Poster Presentations
in the Exhibit Hall**

Noon – 1:30 pm

Focus on South Korea Symposium

1:30 – 5:00 pm

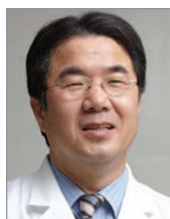
1:30 – 1:55 pm

The Management of an Injured Inferior Alveolar Nerve during Dental Implant Placement

Jong-Ho Lee, DDS, MSD, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) explain the effectiveness and limitations of the nerve recovery after conservative management of inferior alveolar nerve damage;
- 2) discuss how to repair the damaged inferior alveolar nerve using newly developed nerve sliding technique; and
- 3) describe general guidelines for the selection of management- surgical vs. non-surgical.



1:55 – 2:20 pm

Tissue Engineering and Regenerative Medicine for Dental Implants: Present and Future

Bu-Kyu Lee, DDS, MSD, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe regenerative medicine and tissue engineering as a novel subject of medical and dental science;
- 2) list three key features of regenerative medicine and tissue engineering;
- 3) discuss current achievement of regenerative medicine and tissue engineering in medicine and dentistry; and
- 4) define current challenges of regenerative medicine and tissue engineering.



2:20 – 2:45 pm

Chairside Preparation of Tooth-Osteopant (TOP) Graft for Bone Regeneration: The Development of an Individual Tooth Bank

Eun-Suk Kim, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) discuss the features of tooth graft material;
- 2) prepare tooth osteopant for graft procedures using vacuum-ultrasonic processing chairside; and
- 3) control resorption time of graft material by varying demineralization process.



2:45 – 3:15 pm

Refreshment Break in the Exhibit Hall

Oral Scientific Research Presentations

1:30 – 5:15 pm

3:15 – 3:40 pm

Peri-implant Bone Loss

Sungtae Kim, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to: 1) discuss bone loss after tooth extraction in the anterior tooth area; 2) explain how the peri-implant bone loss is related to the position of implant; 3) create an ideal treatment plan for specific clinical situations and peri-implantitis; and 4) describe the current knowledge and scientific evidence regarding peri-implantitis.



3:40 – 4:05 pm

Management of Implant Failure Associated with Bisphosphonate-related Osteonecrosis of the Jaw (ONJ)

Sun-Jong Kim, DDS, MSD, PhD

Objectives: Upon completion of this presentation, participants should be able to: 1) provide various surgical treatment options for ONJ patients; 2) identify biomarkers for the risk assessment of ONJ patients; and 3) explain a PRF and BMP treatment option to ensure a predictable outcome for ONJ patients.



4:05 – 4:30 pm

Food Impaction and Retention after Dental Implant Restoration

Yang-Jin Yi, DDS, MSD, PhD

Objectives: Upon completion of this presentation, participants should be able to: 1) discriminate the mechanism of food impaction from food retention; 2) explain the different solutions for food impaction and food retention; and 3) estimate a challenging situation at the impression stage before restoration of the implant.



4:30 – 4:55 pm

AnyTime Loading: The Long-term Clinical Results and Success Points

Young-Ku Heo, DDS, MSD, PhD

Objectives: Upon completion of this presentation, participants should be able to: 1) explain the difference between immediate loading and AnyTime Loading; 2) describe how to minimize or eliminate the total decrease in stability and maintain the stability for AnyTime Loading; and 3) explain the modified placement protocol, implant designs, and surface designs for AnyTime Loading.



4:55 – 5:00 pm

Discussion

Friday, March 13

Science in Treatment: What's the Evidence?

1:30 – 5:00 pm

1:30 – 2:00 pm

Implant Surfaces: Short Term Hype or Long Term Gain?

Ghadeer Thalji, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe the molecular and cellular activities underlying the process of osseointegration;
- 2) identify current methods used to alter implant surfaces; and
- 3) describe the current evidence present from in-vitro as well as in vivo-data about the effects of implant surface modification on the biological integration of implant surface components to surrounding host tissues.



2:00 – 2:30 pm

A Decision Tree for Selection of Implant Diameter and Height: Augmentation vs. Utilization of Existing Native Bone

Homayoun Zadeh, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) recognize the therapeutic options available for sites with vertical or horizontal alveolar ridge atrophy;
- 2) identify appropriate case selection criteria for application of reduced dimension implants; and
- 3) institute proper surgical and prosthetic protocol for utilization of short or narrow implants.



2:30 – 3:00 pm

Particulate Bone Grafts: Is There a Difference?

Mark Reynolds, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) discuss the clinical rationale for available particulate bone grafts;
- 2) describe expectations of clinical success based on recent evidence-based reviews;
- 3) recognize clinical parameters important in the selection of regenerative material; and
- 4) list strategies for avoiding common complications.



3:00 – 3:30 pm

Refreshment Break in the Exhibit Hall



3:30 – 4:00 pm

Loading Time

Jeffrey Ganeles, DMD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) explain the biologic rationale for various loading protocols and how they may or may not effect osseointegration;
- 2) recognize appropriate and inappropriate case types where specific loading protocols should be considered; and
- 3) discuss various surgical and restorative techniques and implications on loading and healing.



4:00 – 4:30 pm

Splinting vs. Individual Units

Paolo Vigolo, DMD, MScD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) describe the properties of splinted and individual unit implant restorations;
- 2) determine when to use splinted or individual unit implant restorations; and
- 3) discuss the biological and mechanical outcomes when splinted or individual units are provided.



4:30 – 5:00 pm

Management Strategies for the Edentulous Maxilla – Outcomes of the 2014 AO Summit

Clark Stanford, DDS, PhD

Objectives: Upon completion of this presentation, participants should be able to:

- 1) cite the process of development of Clinical Practice Guidelines (CPG) along with the process of Systematic Review outcomes;
- 2) explain the advantages and limitations of CPGs; and
- 3) discuss the application of the outcomes of the 2014 AO Summit.



New Product Showcase

NOT FOR CREDIT

5:15 – 6:45 pm

The New Product Showcase will feature the latest products from 10 companies and allow registrants to handle the equipment, watch demonstrations, and talk to industry representatives in an intimate, social environment. Come view the latest products and equipment available while enjoying appetizers and drinks.

No CE Credit will be provided for this showcase.

President's Reception

All Annual Meeting Registrants are invited to attend the President's Reception at the Exploratorium 7:00 – 9:00 pm, Friday

The 2015 President's Reception is an exciting and fun-filled evening that is **offered complimentary to all registrants!** This is the event you will not want to miss! See old friends and connect with new members and meeting attendees at this time-honored event.

Exclusively for attendees and guests

The Exploratorium is a museum of science, art, and human perception where following your curiosity and asking questions can lead to amazing moments of discovery, learning and awareness while increasing your understanding of how the world in a fun and interactive environment for people of all ages.

As the global leader in information learning, an approach that encourages learning outside the classroom, the Exploratorium is touted as the world's most experimental museum with more than 600 exhibits on view. Opened in 2013 at the heart of San Francisco's Embarcadero, this new and unique museum offers engaging exhibits that are featured indoors and outdoors, taking advantage of the city and bay to encourage the visitors' imaginations to soar.

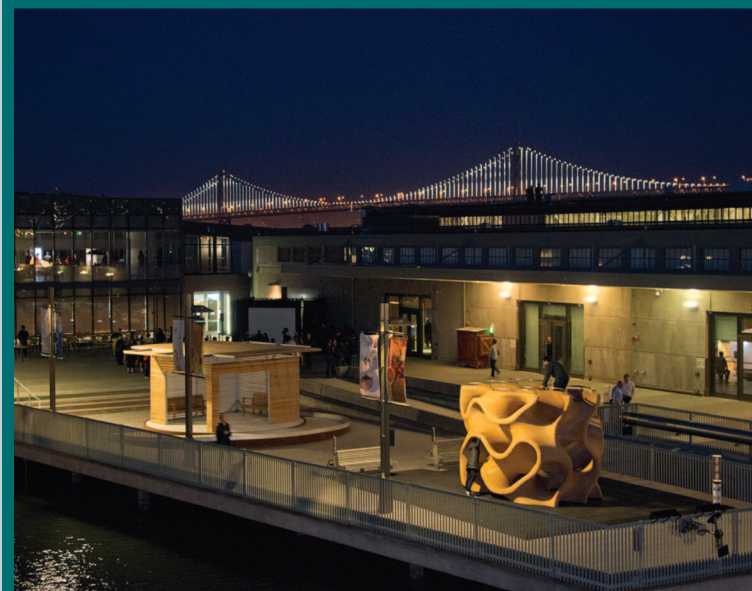
This observatory was designed to allow visitors to explore the science of the Bay, the landscape, and the human impacts that have shaped the Bay Area. The 330,000 square-foot indoor/outdoor project was designed and constructed with the goal of becoming the largest net-zero energy museum in the world.

Experience your own storm by adjusting the frequency, size and velocity of raindrops, or interact in real-time with invisible life – teeny-tiny plankton that produce almost half the oxygen we breathe.

This is an event that you will not want to miss!

Transportation will be provided.

Supported by a grant from DENTSPLY Implants



Saturday, March 14

Achieving Clinical Excellence in a Challenging Environment

8:00 am – noon

8:00 – 8:40 am

Maxillofacial Implants in Facial Reconstruction

Joseph Helman, DMD and Brent Ward, DDS



Objectives: Upon completion of this presentation, participants should be able to: 1) identify techniques for reconstruction of head and neck oncology patients; 2) design placements of implants in head and neck oncology patients; and 3) evaluate the risk of osteoradionecrosis and bisphosphonate related osteonecrosis in the implant patients.

8:40 – 9:20 am

Implants in the Aging Population

Laureen Langer, DDS



Objectives: Upon completion of this presentation, participants should be able to: 1) describe the survival rates of implants placed in the senior population; 2) devise attenuated treatment plans for patients in their eighties and nineties; and 3) discuss the answer to their patient's question "Is it worth it for me to get implants at my age?"

9:20 – 10:00 am

Restoration of Tissue Deficient Sites: White and Pink Implant Restorations

Iñaki Gamborena, DMD, MSD



Objectives: Upon completion of this presentation, participants should be able to: 1) identify difficult implants to treat vs. easy ones: what, why and how; 2) discuss the importance of CTG around implants for long term results; 3) describe basic concepts for improving soft tissue volume around implants; and 4) list techniques and tools to ensure predictable surgical and prosthetic results.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

10:30 – 11:00 am

Solutions to Cemented vs. Screw Retained Restorations: Back to the Future?

Curtis Jansen, DDS



Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the importance or retrievability with implant restorations; 2) triage placing cemented or screw retained restorations with single vs. multiple implants; and 3) discuss the use of abutments with screw retained and cement retained restorations.

11:00 – 11:30 am

The Relation Between Orofacial Esthetics and Craniofacial Growth in Implant Placement

Oded Bahat, BDS, MSD



Objectives: Upon completion of this presentation, participants should be able to: 1) describe the extraoral facial changes associated with aging; 2) address a pre-treatment analysis that can reduce the consequence of continuous craniofacial growth; and 3) present surgical modifications for implant placement in light of these changes along with the retrieval options.

11:30 am – noon

Oral and Intravenous Bisphosphonates and Implant Success

Salvatore Ruggiero, DMD, MD



Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the risks associated with antiresorptive agents and dental surgery; 2) identify the mechanisms by which antiresorptive medications can influence implant integration; and 3) develop strategies on how to manage patients who have been exposed to antiresorptives and require implant reconstruction.

TEAM Program

8:00 am – 4:00 pm

Laboratory Technician Program

8:00 am – 4:00 pm

Complimentary Lunch in the Exhibit Hall

Noon – 1:30 pm

Lunch & Learn Sessions

Noon – 1:30 pm

Considerations for Monday Morning's Patient

8:00 am – noon

8:00 – 9:00 am

Clinical Decision Making: What Do We Need to Know?

Harold Baumgarten, DMD



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify the biomechanical factors affecting the prognosis of an individual tooth;
- 2) discuss the factors affecting the true prognosis of endodontically treated or periodontally involved teeth; and
- 3) determine when an implant supported restoration may not be the best solution for a compromised tooth.

9:00 – 9:30 am

The Challenge of the Congenitally Missing Lateral Incisor

Roger Wise, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) list the range of lateral incisor mesial distal width possibilities in the restorative vs. implant solution;
- 2) discuss the use of cone beam CT to evaluate proper implant placement; and
- 3) describe an ideal esthetic finish.

9:30 – 10:00 am

Enhancement of Soft Tissue around Implants in the Aesthetic Zone

Ueli Grunder, DMD



Objectives: Upon completion of this presentation, participants should be able to:

- 1) select the best techniques for soft tissue augmentation in each case;
- 2) decide whether bone augmentation is also needed; and
- 3) describe how to avoid soft tissue problems in the aesthetic zone.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

10:30 – 11:00 am

Bone Regeneration via Ti Mesh

Robert Levine, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) recognize the benefits of titanium mesh for "ideal" space maintenance and predictable reconstruction utilizing a step-by-step technique;
- 2) summarize review data of an on-going private practice clinical study of 70 consecutive cases; and
- 3) review treatment planning in high esthetic risk cases.

11:00 – 11:30 am

Maintenance: The Key to Successful Implant Therapy

Pamela McClain, DDS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify the components of periodontal and implant maintenance therapy;
- 2) discuss factors that impact the appropriate intervals for maintenance; and
- 3) explain the importance of systemic factors for periodontal and implant health and maintenance.

11:30 am – noon

Management of Mechanical Complications

William Martin, DMD, MS



Objectives: Upon completion of this presentation, participants should be able to:

- 1) identify the difference between mechanical and technical complications;
- 2) explain current techniques to manage fractured abutments and screws;
- 3) discuss the mechanical limitations to various dental materials; and
- 4) troubleshoot material wear and fracture.

TEAM Program

8:00 am – 4:00 pm

Laboratory Technician Program

8:00 am – 4:00 pm

Complimentary Lunch in the Exhibit Hall

Noon – 1:30 pm

Lunch & Learn Sessions

Noon – 1:30 pm

Saturday, March 14

Lunch & Learn Sessions

Noon – 1:30 pm

Members: \$90 – Non-Members: \$110

Please register online at www.osseo.org or on the registration forms on pages 25 and 26. Attendance is limited.

All Lunch & Learn presentations run concurrently.

These sessions will facilitate interaction between colleagues and experts in the field of implant dentistry. Participants can choose one session from the variety of topics listed below. This small group setting offers the opportunity to delve into specific topics in a more intimate discussion-style format while enjoying lunch with colleagues. Participants will learn about new techniques and applications from presenters who have achieved international recognition in the field of implant dentistry. It is an ideal format for sharing experiences and cases with the instructors and other participants.

E-1

The Conometric Concept in Implant Prosthetic

Marco Degidi, MD, DDS

E-2

Implant Provisional Restorations in the Esthetic Zone

Frank Higginbottom, DDS

E-3

Blending Art, Science and Technology: Ideal Abutment and Restorative Material Selection

Robert Vogel, DDS

E-4

Craniofacial Growth and Implant Esthetics

Fereidoun Daftary, DDS, MScD

E-5

The Law and Implants: Avoiding the Legal Failures

Arthur Curley, JD

E-6

Complications of Sinus Augmentation

Sun-Jong Kim, DDS, MSD, PhD

E-7

Treatment of the Severely Resorbed Ridge with Titanium Mesh Key Factors for Predictability

Robert Levine, DDS

E-8

Seven Years of Experience with Cellular Allografts

Bradley McAllister, DDS, PhD

E-9

Immediate Adjacent Implants: What Can We Achieve?

Michael Norton, BDS, FDS, RCS(Ed)

E-10

VISTA for Prevention and Management of Peri-implant Soft Tissues

Homayoun Zadeh, DDS, PhD

E-11

Blueprints for Success: How to Maximize 3D Planning for Simple to Complex Cases

Scott Ganz, DMD

E-12

Vertical Ridge Augmentation: Classic GBR Protocol and rhBMP-2 Bone Graft/Ti-Mesh Protocol

Sascha Jovanovic, DDS, MS

E-13

New Devices for Managing Peri-implantitis

Young-Ku Heo, DDS, MSD, PhD

E-14

Treatment Planning (attendees are encouraged to bring cases to discuss)

Michael Block, DMD

E-15

Emerging Strategies in Tissue Engineering

Mark Reynolds, DDS, PhD

Annual Business Meeting

1:30 – 2:00 pm



Closing Symposium

2:00 – 2:30 pm

Ethics in Implant Dentistry

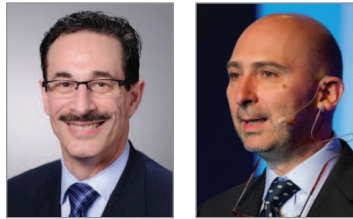
Arthur Curley, JD



Objectives: Upon completion of this presentation, participants should be able to: 1) explain the use and application of the code of ethics for dental implants; 2) recognize treatment decisions based on the best, most current evidence as to oral health vs. ideal aesthetics; 3) identify that practitioners are ethically bound to inform patients of all reasonable treatment options; and 4) discuss how the standard of care applies equally to all practitioners, generalists and specialists alike.

2:30 – 5:00 pm

Interactive Session: Putting it All Together: Two Missing Adjacent Teeth in the Esthetic Zone: Options for Treatment



Moderators: Paul Rosen, DMD, MS and Maurizio Tonetti, DMD, PhD



Participants: Oded Bahat, BDS, MSD, Bobby Butler, DDS, Fereidoun Daftary, DDS, MScD, Kenneth Hinds, DDS, Robert Levine, DDS, Craig Misch, DDS, MDS

Objectives: Upon completion of this presentation, participants should be able to: 1) list the advantages of placing one versus two implants to replace adjacent anterior teeth; 2) explain the advantages/disadvantages to maintaining ailing natural teeth versus placing dental implants; and 3) discuss the role that growth and development plays in decision making for placing anterior implants.

Meeting Adjourns

5:00 pm



Saturday, March 14

TEAM Program

8:00 am – 4:00 pm

Formerly the Allied Staff Program, the TEAM Program is for all members of the Dental Team:
Dentists, Implant Treatment Coordinators, Hygienists, Assistants, Receptionists

Registration for TEAM Program Only: Members \$125 – Non-Members \$150 • No Charge for Annual Meeting Registrants

Please register online at www.osseo.org or on the registration forms on pages 25 and 26.

8:00 – 8:10 am

Welcome and Introductions

Susan Wingrove, RDH, BS, Vice-Chair,
Allied Staff Education Subcommittee

8:10 am – noon

Differentiate Your Practice: An Interdisciplinary TEAM Approach to Periodontal, Regenerative and Implant Therapies

Tracy Butler, RDH, MFT and
Jennifer Doobrow, DMD



This exciting and interactive course emphasizes the interdisciplinary TEAM approach to ultimate patient care. Defining your practice and developing effective strategies for patient communication to enhance case presentation and case acceptance is the key to differentiating your practice in our challenging economic environment. Emphasis is placed on elevating the entire dental team in promoting periodontal, regenerative and implant therapies, and will define the significant impact these therapies have on comprehensive care dentistry. Collaboration among YOUR dental team is vital to creating a positive and lasting patient experience. Today is the day to go from good to great!

Objectives: Upon completion of this presentation, participants should be able to: 1) define periodontal health goals that will greatly impact effective case presentation and treatment acceptance; 2) establish baseline protocols for periodontal, regenerative, implant and implant-maintenance therapies; 3) develop an action plan and decision tree to promote comprehensive patient care; and 4) explain the impact interdisciplinary care plays in a positive customer experience.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

1:30 – 4:00 pm

What's Trending for the Implant Treatment Coordinator: The TEAM Approach to the Business of Implant Dentistry

Kathi Carlson, CDA and
Rose Nierman, RDH



Implant Treatment Coordinators have proven to be a vital component of the surgical practice. Join Rose and Kathi as they navigate through what is trending in the field today. They will discuss the outreach goal of the surgical practice and ways to capitalize on dental benefits by understanding how best to use the codes and cross-coding systems available to us. Lunch and Learn programs and marketing opportunities for the Implant Treatment Coordinator will be discussed and workshops will be facilitated to mastermind and open the doors of new and different possibilities. Gain substantial knowledge on the importance of this particular position in the practice and how it will generate happy, satisfied referring doctors, their teams and their patients.

Objectives: Upon completion of this presentation, participants should be able to: 1) identify their role as ambassador for the TEAM approach to implant dentistry; 2) discuss how to maximize the insurance benefits for patients; 3) explain the current trends in dentistry that are affecting your referrals; and 4) organize successful Lunch and Learns for referring offices.

Laboratory Technician Program

8:00 am – 4:00 pm

Complimentary Lunch in the Exhibit Hall

Noon – 1:30 pm



Laboratory Technician Program

8:00 am – 4:00 pm

Simplifying the Use of Technology, Communication and Art to Create the Smile: From Planning to Delivery

Registration for Laboratory Technician Program Only: Members \$125 – Non-Members \$150

No Charge for Annual Meeting Registrants • Please register online at www.osseo.org or on the registration forms on pages 25 and 26.

8:00 – 8:10 am

Welcome and Introduction

Lars Hansson, CDT,
Chair, Allied Staff Education Subcommittee

8:10 – 10:00 am

Knowledge Beyond the Bench: A Surgical Overview for Technicians

Jeff Carlson, CDT



This program will provide information to the technician that typically is only presented to dentists. Technicians will see the “other side” of implant dentistry, and will learn how to incorporate this knowledge into their CAD designs and/or conventional designs, for surgical guides, abutment selection/modification, provisional and final restorations.

Surgeries using guided surgery technology and conventional surgical protocols, will be reviewed along with bone grafting options and outcomes. An overview of single stage surgery vs two stage surgery, implant loading concepts, along with the Pros & Cons of each, will be presented.

Objectives: Upon completion of this presentation, participants should be able to: 1) have a working understanding of the different surgical and loading protocols; 2) understand when bone grafting should be considered and what are the limitations of guided bone regenerations (GBR); 3) enhance the design and function of both CAD/CAM and conventional surgical guides; and 4) better position themselves with surgeons and restorative dentists, as a vital part of the “PRE-Surgical” Treatment Planning Team and not just part of the “POST-Surgical” Treatment Team.

10:00 – 10:30 am

Refreshment Break in the Exhibit Hall

**Complimentary
Lunch in the
Exhibit Hall**

Noon – 1:30 pm

10:30 am – noon

CBCT and CAD CAM Technology: The Merging of Digital Technologies

Scott Ganz, DMD



It has been stated that the “goal of implant dentistry is not the implant, it is the tooth that we replace...” Achieving successful implant reconstruction is therefore dependent on many factors. Placing the implant within the existing bone allows for osseointegration to occur, but this process has little impact on esthetic and functional outcomes. The most desirable implant receptor site should always correlate with the ultimate restorative goal, and under ideal conditions should be known in advance of the surgical intervention. If the receptor site is not ideal, there are ever evolving methods to manage the bone and soft tissue. Success can best be achieved through the initial diagnosis and treatment planning phase.

New surgical and prosthodontic paradigms have now been established over the past 25 plus years, first through the utilization of CT and now lower dosage CBCT three dimensional imaging technologies which provide clinicians with an unprecedented appreciation of the patient’s anatomy for pre-surgical assessment of dental implant receptor sites, bone grafting or other procedures. Currently available planning software can interface with the 3-D CT/CBCT data with a varied degree of virtual tools and interactive treatment planning capabilities. These tools if used properly can help clinicians achieve true restoratively driven implant dentistry by matching the receptor sites to the design specifications of the implant and abutments before the scalpel touches the patient. CBCT is not only one of the best diagnostic tools – but it is also one of the most important communication tools to enhance the treatment planning phase for all members of the implant TEAM, including the dental laboratory clinician. Therefore, technology can play an important role in maximizing both functional and esthetic results. In addition, the merging of analog and digital technologies has re-defined the workflow, developed new paths between diagnosis and CAD/CAM applications, while enhancing both accuracy and consistency in establishing new paradigms for today and beyond.

Objectives: Upon completion of this presentation, participants should be able to: 1) describe the historical evolution of CT/CBCT for dental implants and more; 2) discuss taking the guesswork out of the equation to avoid complications and maximize results; 3) utilize pre-surgical prosthetic planning using CT/CBCT imaging and 3-D planning software; and 4) explain how conventional “analog” restorative concepts are being merged with CBCT into the new digital workflow to minimize complications and maximize results.

Saturday, March 14

Laboratory Technician Program

8:00 am – 4:00 pm

Simplifying the Use of Technology, Communication and Art to Create the Smile: From Planning to Delivery

Registration for Laboratory Technician Program Only: Members \$125 – Non-Members \$150

No Charge for Annual Meeting Registrants • Please register online at www.osseo.org or on the registration forms on pages 25 and 26.

1:30 – 2:45 pm

Successful Monolithic Restorations – Technical Insights

Haim Keren, CDT, MDT

This presentation will focus on Zirconia restorations as an ultimate alternative to metal based restorations.

Laboratory protocols will be shown for designing and manufacturing Zirconia restorations of different complexities. Prosthetic prototype as a communication and collaboration tool between clinician and technician will be discussed.

Special emphasis will be placed on digital processes and their advantages in the production of Zirconia restorations.

Objectives: Upon completion of this presentation, participants should be able to: 1) list the laboratory protocols for the creation of Zirconia restorations; 2) explain how prototype can be used as a planning and communication tool; and 3) discuss digital processes as they relate to the production of Zirconia restorations.



2:45 – 4:00 pm

Evolution of the TADplant: Innovations for Adjunctive Orthodontics

Paul Oullette, DDS, MS and Arlen Hurt, CDT

Learn the latest techniques in adjunctive orthodontics to use provisional implants to prepare implant sites for successful implant treatment cases. Dr. Ouellette and Arlen Hurt introduce their research and development of provisional 'orthocrowns', 'orthoveneers' and other innovative new 3D stereolithography laboratory techniques. Join forces with your lab to do 3D additive manufacturing of orthodontic appliances for adjunctive orthodontic and implant dentistry.

Objectives: Upon completion of this presentation, participants should be able to: 1) discuss the latest techniques in adjunctive orthodontics; 2) prepare implant sites for successful treatment; and 3) explain the desired outcomes using 3D additive manufacturing.



The Bay Lights is an extraordinary visual art installation on the Bay Bridge designed by world-renowned artist Leo Villareal.

San Francisco Travel Association photo.

View the latest technological advances in the field of implant dentistry in the Exhibit Hall. Don't miss the latest products and services showcased by more than 100 exhibiting companies on display throughout the meeting. Be sure to visit the exhibits and see the newest products to enhance your practice and improve patient care. Following is a list of exhibitors registered as of November 19, 2014.

3D Diagnostix, Inc.	Glidewell Laboratories	Osstell, Inc.
A. Titan Instruments, Inc.	Glustitch, Inc	Osteogenics Biomedical
ACE Surgical Supply Company	Guided Surgery Solutions	Osteohealth
AD Surgical	H & H Company	PBHS, Inc.
Adin Implants	Hartzell & Son/PeriOptix	PhotoMed International
Alpine Pharmaceuticals	Henry Schein Dental Surgical Solutions	Physics Forceps-Golden Dental Solution
Anatomage	Hiossen	Piezosurgery Incorporated
Aseptico	Hu-Friedy Mfg. Co, LLC	Pikos Implant Institute
Bicon Dental Implants	I-CAT	Planmeca USA, Inc.
Bien-Air Dental	IDEA - Interdisciplinary Dental Education Academy	PREAT Corporation
BioHorizons	Impladent, Ltd.	Quintessence Publishing Co, Inc.
BIOMET 3i	Implant Direct International	Ritter Dental USA
Blue Sky Bio	Integrated Dental Systems (Megagen)	Rocky Mountain Tissue Bank
BQ Ergonomics	Intra-Lock International, Inc.	Salvin Dental Specialties
Brasseler USA	ITI Foundation	Shinwon Dental Co., Ltd
BTI of North America	J. Morita USA, Inc.	Sirona Dental
Burbank Dental Laboratory	KAT Implants	Snap On Optics
Cagenix, Inc.	Keystone Dental	Snoasis Medical, LLC
Carestream Dental	KLS-Martin	Solutionreach
Collagen Matrix Dental	Lending Club Patient Solutions	Straumann
Consult-PRO	Lester Dine, Inc.	SurgiTel/General Scientific Corp
Cool Jaw By Medico International	Maxxeus	TePe Oral Health Care, Inc.
Da Vinci Dental Studios	MedicalGroup, Corp./Comco, Inc.	Thommen Medical
Dental Arts Laboratories, Inc.	Medtronic	Treloar & Heisel, Inc.
Dental USA, Inc.	Meisinger USA	Ultralight Optics Inc.
Dentatus USA, Ltd	Microsurgery Instruments, Inc.	Unicare Biomedical, Inc.
Dentium USA	Millennium Dental Technologies, Inc.	Ushio, Inc
DENTSPLY Implants	MIS Implants Technologies, Inc.	Valley Dental Arts, Inc.
Designs for Vision, Inc.	Neodent USA, Inc.	Vatech America
DiamoDent	Neoss	Versah, LLC
DoWell Dental Products, Inc.	Nobel Biocare USA	Vista Dental Products
DSN Software, Inc.	OCO Biomedical	W&H Impex, Inc.
EBI, Inc.	OMSVision	Wiley
Ellman, A Cynosure Company	OraPharma	X-Nav Technologies, LLC
Elsevier	Orascoptic	XEMAX Surgical Products
Exactech, Inc.	Osada, Inc.	Z-Systems
Geistlich Biomaterials	Ossotanium Corporation	ZEST Anchors, LLC
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Speaker Index

Daniel Alam, MD
Honolulu, HI

Oded Bahat, BDS, MSD
Beverly Hills, CA

Harold Baumgarten, DMD
Philadelphia, PA

Curtis Becker, DDS
Denver, CO

Michael Bergler, CDT, MDT
Philadelphia, PA

Markus Blatz, DMD, PhD
Philadelphia, PA

Michael Block, DMD
Metairie, LA

Bobby Butler, DDS
St. Petersburg, FL

Tracy Butler, RDH, MFT
West Palm Beach, FL

Jeff Carlson, CDT
Montgomery, MN

Kathi Carlson, CDA
Haddon Heights, NJ

Stephen Chu, DMD, MSD, CDT
New York, NY

Arthur Curley, JD
Larkspur, CA

Fereidoun Daftary, DDS, MScD
Beverly Hills, CA

Hugo De Bruyn, DDS, PhD, Prof
Ghent, Belgium

Marco Degidi, DDS, MD
Bologna, Italy

Jennifer Doobrow, DMD
Birmingham, AL

Steven Eckert, DDS, MS
Byron, MN

Iñaki Gamborena, DMD, MSD
San Sebastian, Spain

Jeffrey Ganeles, DMD
Boca Raton, FL

Scott Ganz, DMD
Fort Lee, NJ

Ueli Grunder, DMD
Zollikon-Zurich, Switzerland

Mark Handelsman, DDS
Santa Monica, CA

Joseph Helman, DMD
Ann Arbor, MI

Young-Ku Heo, DDS, MSD, PhD
Seoul, South Korea

Frank Higginbottom, DDS
Dallas, TX

Brody Hildebrand, DDS, MS
Dallas, TX

Kenneth Hinds, DDS
Laguna Niguel, CA

Arlen Hurt, CDT
Cumming, GA

Curtis Jansen, DDS
Monterey, CA

Sascha Jovanovic, DDS, MS
Los Angeles, CA

Haim Keren, CDT, MDT
Westmount, QC, Canada

Eun-Suk Kim, DDS, PhD
Gyeonggi-Do, South Korea

Sungtae Kim, DDS, PhD
Seoul, South Korea

Sun-Jong Kim, DDS, MSD, PhD
Seoul, South Korea

Laureen Langer, DDS
New York, NY

Bu-Kyu Lee, DDS, MSD, PhD
Seoul, South Korea

Jong-Ho Lee, DDS, MSD, PhD
Seoul, South Korea

Robert Levine, DDS
Philadelphia, PA

Sonia Leziy, DDS
North Vancouver, BC, Canada

Jaime Lozada, DMD
Loma Linda, CA

William Martin, DMD, MS
Gainesville, FL

Bradley McAllister, DDS, PhD
Tualatin, OR

Pamela McClain, DDS
Aurora, CO

Brahm Miller, DDS
North Vancouver, BC, Canada

Craig Misch, DDS, MDS
Sarasota, FL

Rose Nierman, RDH
Tequesta, FL

Michael Norton, BDS, FDS, RCS(Ed)
London, England

Paul Oullette, DDS, MS
Merritt Island, FL

Adriano Piattelli, MD, DDS
Chieti, Italy

Mark Reynolds, DDS, PhD
Baltimore, MD

Paul Rosen DMD, MS
Yardley, PA

Salvatore Ruggiero, DMD, MD
Lake Success, NY

Gary Solnit, DDS, MS
Beverly Hills, CA

Clark Stanford, DDS, PhD
Chicago, IL

Dennis Tarnow, DDS
New York, NY

Ghadeer Thalji, DDS, PhD
Iowa City, IA

Maurizio Tonetti, DMD, PhD
Genova, Italy

István Urbán, DMD
Budapest, Hungary

Paolo Vigolo, DMD, MScD
Vicenza, Italy

Robert Vogel, DDS
Palm Beach Gardens, FL

Brent Ward, DDS
Ann Arbor, MI

Roger Wise, DDS
Swampscott, MA

Yang-Jin Yi, DDS, MSD, PhD
Gyeonggi-do, South Korea

Homayoun Zadeh, DDS, PhD
Los Angeles, CA

Otto Zuhr, DDS
Freising, Germany

Annual Meeting Registration

Academy of Osseointegration Annual Meeting March 12 – 14, 2015 • San Francisco, California

Please type or print your name exactly as you wish it to appear on the badge:

First name	Family name	Degree	NPI # (U.S. Only)	
Office Address	City	State	Zip	Country
E-mail Address	Office Phone No.		Office Fax No.	

I am a(n):

- ☐ AO Member
☐ Non-Member
☐ AO Student Member
☐ Student Non-Member
 (letter from Chief of Service required)
☐ Other (please specify)

Please indicate primary specialty:

- | | |
|---|--|
| ☐ Oral & Maxillofacial Surgeon | ☐ Endodontics |
| ☐ Periodontist | ☐ Oral & Maxillofacial Pathology |
| ☐ Prosthodontist | ☐ Oral & Maxillofacial Radiology |
| ☐ General Dentist | ☐ Orthodontics |
| ☐ Auxiliary Staff (Dental Technician, Nurse,
Office Staff, Scientist, Technical Representative) | ☐ Pediatric Dentistry |
| ☐ Dental Public Health | ☐ Other (please specify)
_____ |

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Registration Fees

(see page 26 for optional programs and lectures)

AO MEMBER

- ☐ Active/Fellow (DDS, DMD)
☐ Affiliate (CDT, MDT, RDH, ROT, Office Staff)
Note: Each registrant must be an AO member, not just staff of an AO member.
☐ Student

Through Jan.12	Jan. 13 – Feb. 9	After Feb. 9
\$460	\$560	\$710
\$215	\$265	\$415
\$115	\$140	\$165

NON-MEMBER*

- ☐ Doctor (DDS, DMD)
☐ Allied Staff (CDT, MDT, RDH, ROT, Office Staff)
☐ Student (letter from Chief of Service required)
☐ Non-Doctor (CEO, PharmD, PhD, Scientist, Other)
☐ Spouse/Guest (limit two guests per registrant)

\$950	\$1050	\$1195
\$270	\$320	\$470
\$335	\$385	\$535
\$290	\$340	\$490
\$55 ea.	\$80 ea.	\$105 ea.

Name _____

Name _____

*Membership applications MUST be received in AO office at least two weeks prior to registration deadlines to be eligible for member discount.

ANNUAL MEETING CONFERENCE RECORDING

- ☐ DVD 2015 Annual Meeting Highlights

Member	Non-Member	Shipping (Outside U.S. only)
\$175	\$200	\$15

Total of this page \$ _____

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Deadline for Advance Registration: February 9, 2015

Annual Meeting Registration

Academy of Osseointegration Annual Meeting March 12 – 14, 2015 • San Francisco, California

TEAM Program (Saturday, March 14)

Complimentary to all Annual Meeting Registrants (not including Spouse/Guests)

(Program only – does not include Annual Meeting attendance) AO Members – \$125 Non-Members – \$150 \$ _____
I am registering to attend the Annual Meeting and choose to attend this program at no additional charge. ☐ Yes \$0

Laboratory Technician Program (Saturday, March 14)

Complimentary to all Annual Meeting Registrants (not including Spouse/Guests)

(Program only – does not include Annual Meeting attendance) AO Members – \$125 Non-Members – \$150 \$ _____
I am registering to attend the Annual Meeting and choose to attend this program at no additional charge. ☐ Yes \$0

Optional Lectures

Morning With the Masters (Friday, March 13, 7:00 – 8:00 am)

AO Members – \$95 Non-Members – \$125

Please rank in order of preference:

1st choice _____ 2nd choice _____ 3rd choice _____ \$ _____

Lunch & Learn Sessions (Saturday, March 14, Noon – 1:30 pm)

AO Members – \$90 Non-Members – \$110

Please rank in order of preference the session you wish to attend:

1st choice _____ 2nd choice _____ 3rd choice _____ 4th choice _____ 5th choice _____ \$ _____

Total from this page \$ _____

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Method of payment: ☐ Check* ☐ Visa ☐ MasterCard ☐ American Express

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*Make checks payable to AO in U.S. funds only.

- Non-U.S. registrations: payable by credit card or U.S. Money Order only.
- All refund requests must be made in writing by February 9, 2015.
- Cancel before February 9, 2015 to qualify for a refund (less \$75 fee).
- No refunds on cancellations after February 9, 2015.
- No refunds of \$5 or less.

Send completed registration form along with payment to:

Academy of Osseointegration, Attn: Meeting Registration
85 W. Algonquin Rd, Ste. 550
Arlington Heights, IL 60005
Phone: (847) 439-1919 • Fax (847) 439-1569
Email: meetings@osseo.org

By registering for this meeting, I hereby acknowledge and agree that AO or its agents may take photographs of me during events and may freely use those photographs in any media for AO's purposes, including but not limited to news and promotional purposes, without further compensation to me.

Hotel Registration Information



Academy of Osseointegration Annual Meeting March 12 – 14, 2015 • San Francisco, California

San Francisco Marriott Marquis Hotel

55 Fourth Street
San Francisco, CA 94103
(1 block from Convention Center)

\$294 Single / Double (+16.25%)

Intercontinental San Francisco Hotel

888 Howard Street
San Francisco, CA 94103
(1 block from Convention Center)

\$269 Single / Double (+16.315%)

Internet: For best availability, make your reservation via the internet at **www.osseo.org**.

Phone: If making reservation by phone, call the following phone numbers and ask for the AO room block.

San Francisco Marriott Marquis (877) 622-3056

Intercontinental San Francisco (866) 781-2364

**Hotel reservations / rate availability are not guaranteed
after the room block is full or after Friday, February 6, 2015.**

**DEADLINE FOR HOTEL RESERVATIONS IS
FRIDAY, FEBRUARY 6, 2015.**