

AAID NEWS

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CONFERENCE!**

Detailed program information inside



Trends in Transformation

INSIDE

- Check out full program details for the 2023 AAID Annual Conference
- AAID Files New Lawsuit Defending Members Credentials
- All-on-4® Modern Concepts Techniques Review



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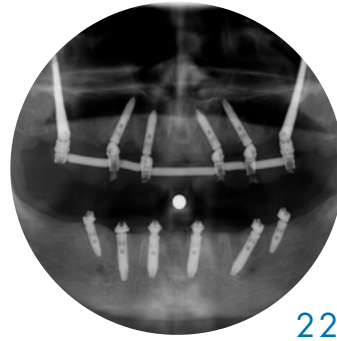
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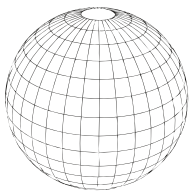


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By Dennis Flanagan,
DDS, MSc, FAAID, DABOI/ID,
AAID Editor

EDITOR'S NOTEBOOK

The Critical Level of Bone Toxicity and Its Impact on Dental Implant Treatment

Implant treatment solves many oral conditions that previously had relegated some patients to dental disability. Successful implant treatment depends on healthy supporting bone. Osseointegration is a healing process that integrates the titanium surface with osteocytes. This process cannot be compromised by disease or toxicity for successful osseointegration.

Toxicity is the condition where a chemical is present in the bone that inhibits cellular metabolism, that is, poisons the cell. Heavy long term smoking is a well known provider of cellular toxicity. We know that infrequent or low levels of smoking may not significantly affect osseointegration and bone remodeling. However, at what critical point does toxicity affect bone metabolism? Patients are slightly to somewhat metabolically different from each other. So various concentrations of any toxic chemical could have any of a variety of effects on a particular patient.

Is there a ratio of effects that occur, such as one molecule of a toxic chemical interacting with one osseous cell? Or does it take more than one molecule to render a toxic effect in that cell? How many effected cells are needed to cause a clinically significant effect?

Apparently, the detrimental effects of smoking are dose dependent. The number of cigarettes per day and for how long the habit persists effect clinical significance. The long-term high pack/day smoker has a higher risk for implant failure than the occasional smoker.

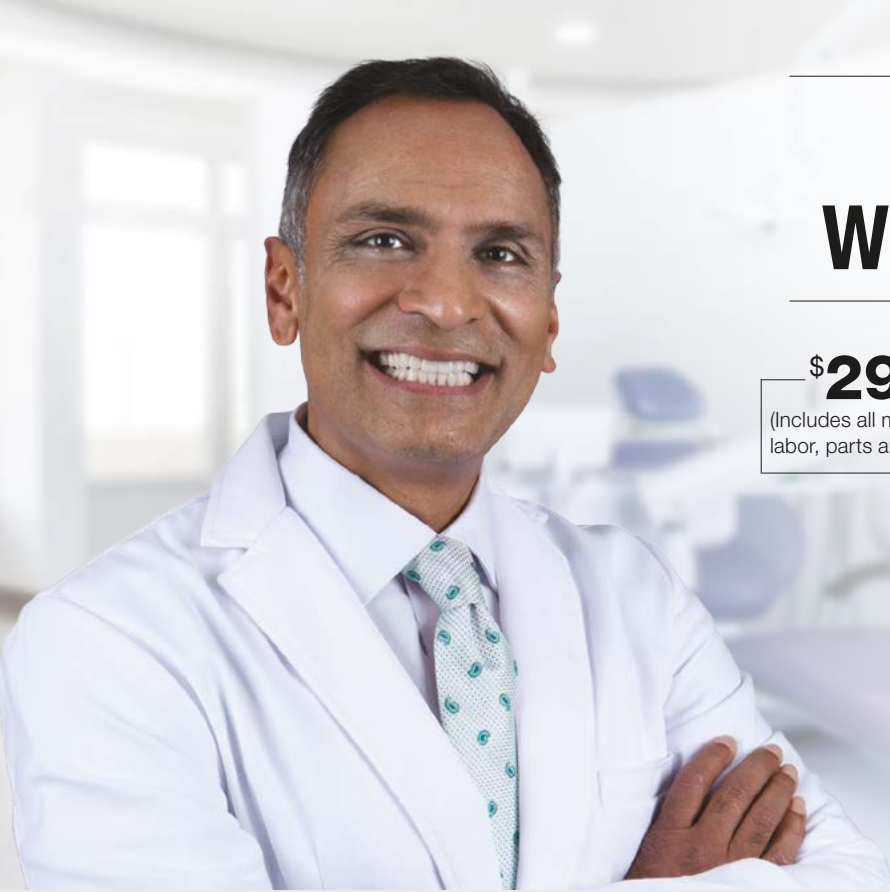
Many medications interfere with cell metabolism and bone healing and remodeling. Selective serotonin reuptake inhibitors, proton pump inhibitors, warfarin and bisphosphonates are well known medications that have a side effect of affecting bone healing and remodeling. We do not know at what dosage these chemicals, medicines, have a clinically significant effect on osseous metabolism. Some medications do affect osseous metabolism, yet others may affect vasculature. A compromised vasculature may cause an inhibition of healing and remodeling.

We also may have an issue with environmental toxins. How much environmental pollution taken in through daily existence does truly affect general metabolism and in particular osseous metabolism? Pollution may affect bone healing and remodeling but again at what level of these chemicals is there a significant effect? Various geographic locations have various endemic characteristics of environmental toxins.

Modern human culture has presented us with a panoply of confrontations with chemicals that can be beneficial or toxic. We need to identify toxic products and investigate how they affect osseous cellular metabolism.

While there is an increased implant failure rate associated with toxic chemicals the failure rate is not 100%. There is a reason why some cadres of cells are adversely affected

(Continued on pg. 6)



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Editor's Notebook

(Continued from pg. 4)

and others not so much. Apparently, some patients have a protective genome.

There may be a need for preoperative sensitivity testing to identify those susceptible patients. It may be possible for mitochondrial toxicity testing.

It would be good for the prudent dental clinician to counsel patients as to the physiologic side effects of smoking and pharmaceutical and environmental chemicals. This may be part of an informed consent.

Implants can fail for any number of reasons such as infection, poor surgical technique, improper positioning and poor bone quality and volume. Bone toxicity can result from a range of sources, including systemic diseases, medication usage, and exposure to environmental toxins. The critical level of bone toxicity that leads to implant failure may be defined as the point at which the toxic effects surpass the bone's regenerative capacity, interfering with the osseointegration process. This critical level for a particular patient is unknown.

There are several factors that may contribute to bone toxicity dental implant failures. Osseointegration requires a healthy and appropriately responsive bone environment. Toxic chemicals can interrupt bone remodeling thus weakening the bone-implant interface. This impairs the implant surface to completely integrate with the bone. This reduces stability and increases the risk for implant failure.

Toxic substances initiate inflammation and immune responses in bone. Chronic inflam-

mation inhibits healing and compromises the osseointegration process that increases the risk for failure.

Some toxins stimulate osteoclasts. Excessive osteoclastic activity can mechanically weaken the bone around an implant that decreases implant stability and increases the risk for failure.

Toxic substances can interfere with bone vascularity and nutrient availability. This disruption compromises osseous support and osseointegration.

To prevent toxicity dental implant failures the clinician can employ several strategies. Preoperative patient evaluation is critical. It is important to identify risk factors for bone toxicity.

In patients where medication-induced bone toxicity is a concern, alternative medications with lower bone toxicity profiles may be considered. However, many medications have no viable alternatives that may be less toxic. The management of systemic disease may be complex and osseous toxicity may be an unfortunate side effect that may only end with accepting the risk. The unique circumstances of each patient must be considered when deciding upon a treatment plan.

In conclusion, the critical level of bone toxicity for toxic chemicals and medications is not known. Nonetheless, toxicity plays a significant role in dental implant failures by disrupting the osseointegration and compromising bone integrity. Understanding the complex interplay between bone toxicity and implant success is essential for clinicians to make informed decisions when treating patients with compromised edentulous sites. A comprehensive assessment of a patient's systemic condition, cautious medication management, and appropriate surgical techniques are crucial for preventing implant failures attributed to bone toxicity. Through these measures, oral implantology can continue to advance, offering reliable and successful treatments for patients.

Implants can fail for any number of reasons such as infection, poor surgical technique, improper positioning and poor bone quality and volume.

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By Shane Samy, DMD, FAAID, DABOI/ID,
AAID President 2023

PRESIDENT'S MESSAGE



Excitement Ramps Up for the AAID Annual Conference in Las Vegas!

AAID's Annual Conference is always a don't-miss-it event. The reason that attendees come back year after year is because it's a chance for the implant community to join together in education and networking. There is no better place to learn alongside your peers and make new contacts.

This year's meeting, "Trends in Transformation," will be held November 1 to 4 at Caesars Palace in Las Vegas. It provides an opportunity to earn 20+ hours of continuing education through hands-on workshops, seminars, and Main Stage lecture presentations—giving attendees ample access to implant education over this four-day event.

If you ask people why they attend, they will say that the AAID offers the best educational value of the season. Here is what you will have access to with your meeting registration (note that some programs have an additional fee.) Visit AAIDAnnual2023.com for the full schedule and additional meeting details.

EDUCATION

MAIN STAGE (MAIN PODIUM): This is the best place to learn about all aspects of implant dentistry. Top clinicians from around the world will gather to explain how the profession is changing and how you can become a better practitioner. Gain information from case studies, learn from new research, and discover where the implantology field is headed in the future.

NEW TRENDS, TECHNIQUES, AND TECHNOLOGY: Learn about the latest products and research directly from the vendors during these 20-minute sessions. We encourage you to follow up with the exhibitors at the Implant World Expo exhibit hall for more information on their presentations.

KEYNOTE: On Wednesday, November 1, you will want to attend "Keys to Transformational Dental Practice Success," presented by Nick Clausen, the founder and owner of Dental Laser Coaching and acting director of the Laster Mastery, a division of Fortune Management. Nick will talk about how to increase productivity, improve services, and enhance your team.

STAGE LEFT: Concurrent to the Main Stage, these hour-long sessions take a deeper look at additional educational topics in a more intimate setting. It's a great way for you to learn more about the implant dentistry areas that are important to your practice.

SCIENCE STAGE (RESEARCH PRESENTATIONS): Learn about current research from your peers on a focused implant topic. See one or all of the sessions on Saturday, November 4.

(Continued on pg. 10)



Integrity Implant System

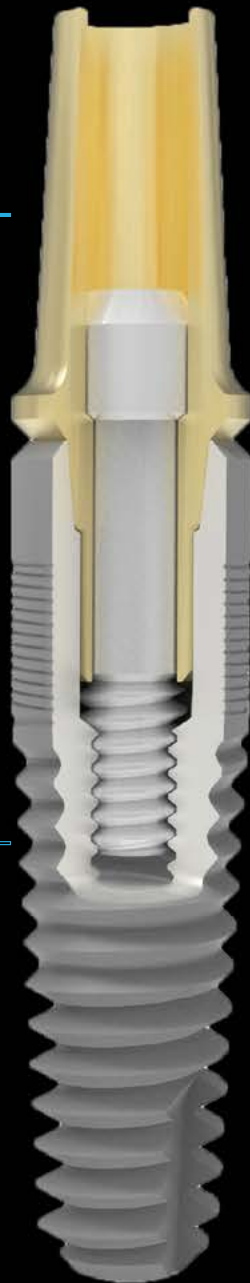
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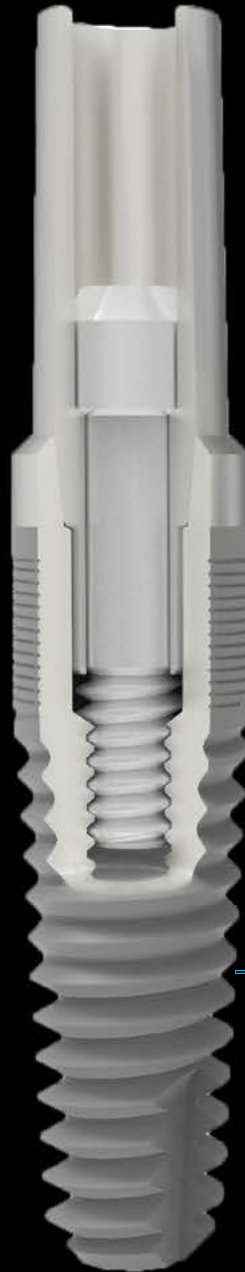
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President's Message

(Continued from pg. 8)

SEMINARS AND HANDS-ON WORKSHOPS:

What better way to learn something new than by doing it yourself? Don't miss this opportunity to learn experientially from top clinicians in the field. Choose from 35 hands-on programs that will help move you to the next level in your practice. Space is limited for these ticketed programs.

IMPLANT WORLD EXPO (AAID'S EXHIBIT HALL): Find products and services for your day-to-day practice and take advantage of the show specials. Product demonstrations provide you with yet another way to learn how to make your practice more successful. More than 100 companies will be exhibiting this year!

DENTAL IMPLANT TEAM: (General Sessions and Breakouts): Implant dentists rely on their team to provide the best patient care, and your team deserves focused training that allows them to offer a higher level of care. Take this time to learn by their side and create a synergy that you can bring back to the office.

NETWORKING

Catch up with old friends and meet new ones! Members point to AAID's networking opportunities as one of the main benefits of membership. The Annual Conference is a place where you can talk with and learn from those who understand what it's like to practice where you practice!

- Welcome Reception—Wednesday, November 1, 6 pm to 8 pm
- Implant World Expo Reception—Thursday, November 2, 5:30 pm to 7 pm
- Women in Dentistry Reception—Friday, November 3, 5:30 pm to 6:30 pm
- President's Celebration—Saturday, November 4, 6 pm to midnight

OTHER EVENTS

DISTRICT CAUCUS LUNCHESES: If you are interested in becoming more involved with the AAID, take time to attend your District's caucus to meet members in your geographical area and elect leaders for the organization.



AAID ANNUAL BUSINESS MEETING:

Honor those members who have taken their education to the next level as they get inducted as AAID's newest Fellows and Associate Fellows. The induction is followed by reports to members, as the leadership shares the issues the AAID faces. Both members and nonmembers are encouraged to attend.

AMERICAN BOARD OF ORAL IMPLANTOLOGY: For those looking to become Diplomates in implant dentistry, this is your chance to learn more about the requirements as well as why this path should be considered. See if this is for you by participating in the ABOI Exam Explained and the Mock Exam.

And celebrate those Diplomates who have completed their journey at the Induction Luncheon, held on Friday, November 3 from 12 pm to 1:30 pm.

PRESIDENT'S CELEBRATION: Finally, I'd like to personally invite you to the President's Celebration on Saturday, November 4. Here we get to celebrate the new Associate Fellows and Fellows and honor leaders in the industry. And since it's Vegas, you know the party will be special. There might even be a few surprises in store!

I'm so excited to see all of you and celebrate in Las Vegas this year. I sincerely hope you can join us!



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By Carolina Hernandez, CAE,
AAID Executive Director

EXECUTIVEDIRECTOR'SMESSAGE

AAID Implant Institute: Dental Implant Education in One Place

Since 1951, the AAID has been providing implant-focused education that teaches members and nonmembers alike to become more confident in their oral implantology skills.

Online education isn't new to the AAID, but we are working to make it better. In November, the Academy will debut the AAID Implant Institute at the Annual Conference and will go live for everyone in early 2024.

The Implant Institute is designed to meet participants' evolving educational needs. It offers learning modules and content across all levels of experience – from dentists with little-to-no implant experience through experts – and everyone in between. You'll find current courses such as the virtual symposiums, as well as recent content from Annual Conferences, webinars, and more.

The Implant Institute will be a one-stop-shop for dental implant education. Programs available on demand will include:

- Webinars
- Annual Conferences presentation recordings
- Clinical Bites for free content (non-CE learning)
- Cases of the Week (originally published in 2020 and 2021)

Most courses will be 45 to 60 minutes in length and will be accompanied by a post-session quiz and short evaluation to award continuing education credits. Participants will be able to access online education 24 hours a day from home, office, or wherever you have an internet connection. Download your transcript when you need it, wherever you need it.

Attendees will be able to test drive the AAID Implant Institute at the 2023 Annual Conference at Ceasars Palace in Las Vegas November 1 to 4. The AAID Implant Institute will launch to the public in early 2024 with 30 hours of available content, and more to be added on a regular basis. If you would like to suggest a program or content area, please reach out to implant-institute@aaid.com.

Please check the new AAID website, aaid.com, for updates.

YOU ASK, THE AAID LISTENS

AAID Members have asked for educational programming – apart from that offered at meetings – that addresses the complex learning needed to become an implant dentist. The AAID understands that everyone learns differently, and the Implant Institute offers a digital platform for those looking to gain additional knowledge from the comfort of their home or office.

AAID Members asked for easier access to CE transcripts. In addition to accessing your AAID transcripts at any time, members will also have a centralized storage location to upload non-AAID transcripts.

AAID Members asked for a more interactive experience. The Implant Institute will allow learners to interact with each other and their instructors. In 2024, the experience will grow and expand to user-generated content.

We are excited to allow Annual attendees to test drive the AAID Implant Institute in November as we continue to advance the science and practice of Implant Dentistry through education.

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MIRON

to Speak at AAID
Annual Conference



Implant dentists often face challenges when determining which technologies are worth long-term investment and which are passing fads. Richard J. Miron, DMD, MMS, MSc, PhD, a speaker at the AAID Annual Conference in November, shares a compelling and illustrative narrative about the evolution of dentistry's role in treating sleep apnea over the past three decades.

Featured Story

“Three decades ago, if a dentist ventured into sleep apnea treatment, they would have been met with skepticism. People would question why a dentist was delving into sleep diagnosis and treatment, a domain traditionally associated with ENTs. Yet, today, dentists are esteemed authorities in sleep apnea care,” says Dr. Richard Miron.

Scheduled to address the AAID gathering in November, Miron explores a treatment trend that could parallel the trajectory of sleep apnea treatment: the opportunities to expand into the field of facial esthetics using advanced laser therapy and platelet-rich fibrin; all natural therapies that are much safer than traditional Botox and Fillers.

Laser therapy and platelet-rich fibrin represent innovative approaches in facial aesthetics. Laser therapy involves the focused application of light energy to the skin, stimulating collagen production and promoting skin rejuvenation, addressing issues such as fine lines, wrinkles, and uneven texture. Platelet-rich fibrin harnesses the regenerative potential of a patient’s own blood by extracting and concentrating platelets and growth factors, which are then strategically injected into targeted areas of the face to enhance tissue regeneration, improve skin tone, and restore contours, resulting in a natural and refreshed appearance.



Dr. Miron possesses a uniquely extensive background to discuss technology’s integration into dentistry:

- ① PhD in molecular and cell biology
- ① Doctor of Dental Medicine degree from the University of Laval, Canada
- ① Master’s and bachelor’s degrees in science from Western University
- ① Post-doctoral research training in Periodontology at one of the world’s leading dental institutes in Bern, Switzerland
- ① Clinical Master’s in facial esthetics from Queen’s Mary University in London, UK
- ① A Master’s Certificate in music from Berklee College of Music, showcasing his diverse interests and talents



“Currently, merely 10% of dentists engage in facial aesthetic procedures,” notes Dr. Miron, though this number is likely to increase following his presentation at the Annual Conference in November.

Miron emphasizes a key tenet in his lecture: the evolution of enduring technologies.

“All technologies naturally progress, improving over time,” he says. “The PRP technology’s original iteration, while once groundbreaking, now appears outdated. Its initial utility and benefits in the orthopedic sphere are undeniable. Athletes frequently utilized it, though results varied. Today, I collaborate

Featured Story



closely with a prominent US Olympic orthopedic surgeon, Dr. Robert Talac, who regularly treats professional athletes with PRF. The technology has significantly advanced and so have the results.”

Reflecting on his journey, Miron shares that in 2011, he was part of a research group pioneering these concepts. “Over a decade later, in Switzerland, we have propelled this field forward. It hinges on the profound notion that our bodies harbor remarkable self-healing capabilities.”

Dr. Miron underscores dentists’ profound influence on three central features that plastic surgeons identify as paramount for attractiveness: smiles, teeth, and lips. He elaborates, “Facial aesthetics pivot on three primary elements: the smile, teeth, and lips—areas where dentists wield immense impact. Thus, whether acknowledged or

not, dentists intrinsically contribute to facial aesthetics. The opportunity to perform treatments that are frankly much simpler and more profitable should be considered as part of all dental practices.”

Dr. Miron’s insights illuminate the transformative potential of embracing new technologies, paralleling the path of sleep apnea treatment’s evolution. His multifaceted expertise positions him as a visionary bridging dentistry and technology, fostering advancements that continue to shape the field.

“If you already have mastered that space, then you can enter into the \$100 billion a year industry of facial aesthetics,” he says.

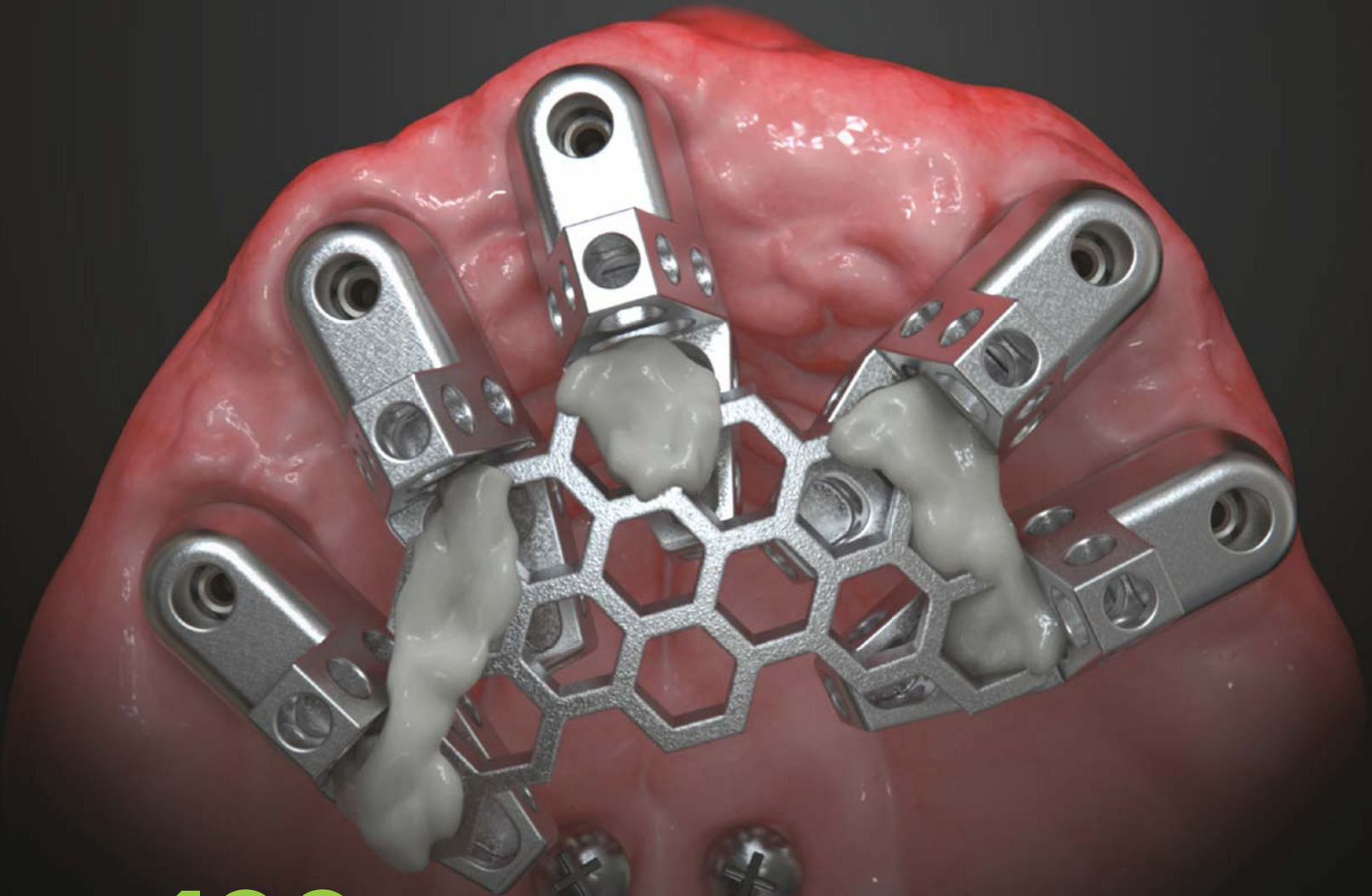
Dr. Miron’s Annual Conference presentation is scheduled for Friday, November 3 at 11 am. For more information, visit AAIDAnnual2023.com.





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By Max G. Moses,
JD, CPA, MBA

LEGALBITE

AAID Files New Lawsuit

(As of August 15, 2023)

SOUTH DAKOTA

On July 20, 2023, the AAID filed a lawsuit in the United States District Court for the District of South Dakota against the South Dakota Board of Dentistry to overturn and prevent enforcement of new specialty advertising rules recently adopted by the Board. The lawsuit seeks the court to declare the new rules violate the First and Fourteenth Amendments of the United States Constitution.

The new rules officially became effective on August 8, 2023. The lawsuit was filed shortly after the South Dakota Interim Rules Committee approved the process and forwarded the rules to the Secretary of State. An email notice was sent on August 1, 2023 to all AAID members in South Dakota including general members, credentialed members, and Diplomates of the ABOI.

The Board has until October 2, 2023 to respond, either by filing an answer or a motion to dismiss the lawsuit. As was done in Michigan

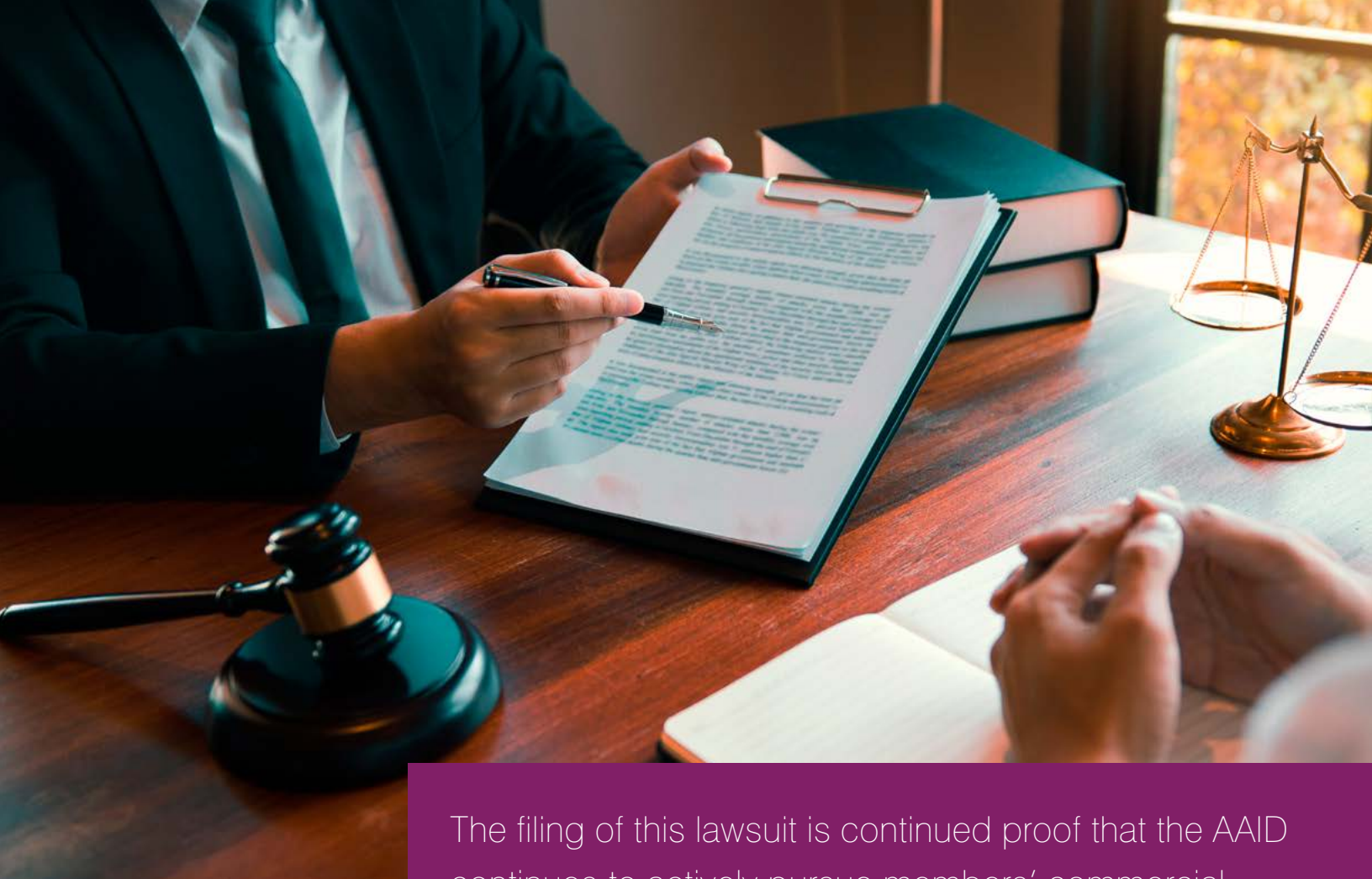
and Oregon, AAID legal counsel anticipates the Board will file a motion to dismiss.

Specifically, Rule 20:43:04:01 limits advertisement as a specialist to those dentists who have completed a post-doctoral program that:

- (1)** *Consists of at least two full-time years; and*
- (2)** *Is accredited by an accreditation agency recognized by the United States Department of Education or is administered by a dental school accredited by an organization recognized by the United States Department of Education.*

The rule applies only to use of (or the inability thereof) the term “specialist” or “specializes,





The filing of this lawsuit is continued proof that the AAID continues to actively pursue members' commercial free speech rights throughout South Dakota and the rest of the United States.

specializing, or another variation of either terms" in advertising. The Board of Dentistry acknowledged that any dentist licensed in the State of South Dakota may nonetheless provide implant dentistry services and may so indicate in their advertising.

As reported in *AAID News* over the past year, the AAID appeared in person before the Board of Dentistry and submitted numerous position papers opposing this change.

The filing of this lawsuit is continued proof that the AAID continues to actively pursue members' commercial free speech rights throughout South Dakota and the rest of the United States.

The Legal Oversight Committee continues its efforts in other states to achieve appropriate recognition of specialty status for implant dentists.

OHIO

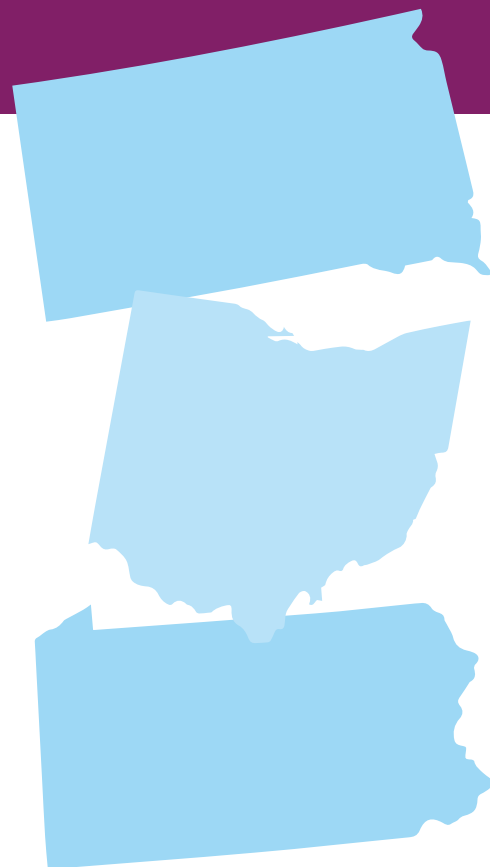
At its July 2023 meeting, the Legal Oversight Committee authorized AAID legal counsel to respond to the Ohio State Dental Board's draft language for proposed regulations relating to specialization.

The AAID likely will not have the Board's response until after their next meeting, which is scheduled for the afternoon of September 20, 2023.

PENNSYLVANIA

On August 8, 2023, AAID's legal counsel provided Pennsylvania's Dental Board's legal counsel with a general overview of the AAID's position on the various states' specialty advertising regulations and states in which the AAID has recently litigated or worked cooperatively to revise the regulations.

They agreed that there would be open lines of communication. At the Board's meeting on September 8, 2023, there was some discussion regarding a need to revise the current advertising regulations. The Board referred the issue to the Regulatory Committee to discuss further and potential revisions.





By Vladimir Soyfer,
DMD, PhD

CLINICALBITE

All-on-4® Modern Concepts Techniques Review

ABSTRACT

Edentulism, a condition characterized by the absence of teeth, significantly impacts facial aesthetics, eating efficiency, and speech fluency, thereby diminishing the quality of life. This paper aims to explore the All-on-4 Treatment Concept in Dental Implants, a promising solution to this issue. The All-on-4 approach, though complex, offers a pathway to restore smile and functionality by using four strategically positioned implants to hold a temporary prosthesis. This prosthesis is later replaced by a permanent version after approximately four months. This swift

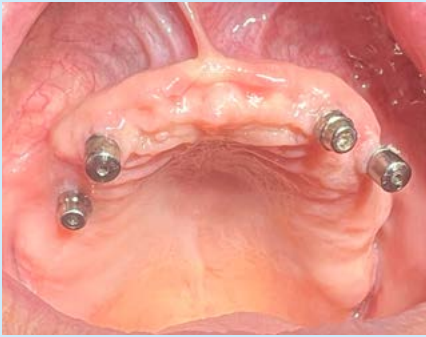
oral restoration technique significantly enhances a patient's self-confidence and overall life quality. The significance of this treatment lies in its potential to provide a less invasive and more affordable solution for severe jawbone atrophy, where the proximity of critical anatomical structures and compromised bone conditions may hinder other prosthetic solutions. The paper concludes with a discussion on the potential of the All-on-4 treatment to revolutionize dental implant procedures, offering a beacon of hope for individuals suffering from edentulism.

INTRODUCTION

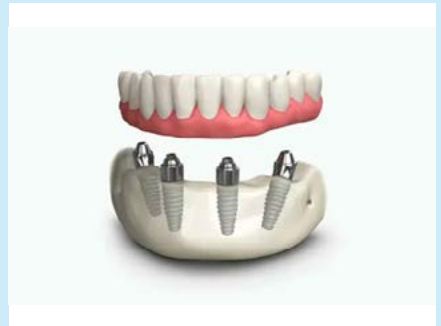
Implant dentistry encounters an immense hurdle when addressing patients with significantly resorbed jaws. This bone loss may manifest in horizontal, vertical, or combined dimensions. Even if vertical bone remains adequate, a deficit in ridge width may obstruct treatment involving implants 4mm or larger in diameter. Over time, numerous tactics, methodologies, and substances have been presented as possible solutions for the intricate issues pertaining to the treatment of resorbed jaws.



In earlier times, one method employed in the molar region of the upper jaw involved the enhancement of the sinus along with the simultaneous insertion of implants [1–3]. Where mandibular bone height was less than 12mm, tissue enhancement techniques like bone ridge expansion



Typical generic view of All-on-4 implants healing caps and immediate prosthesis



and bone grafting became prerequisites for traditional dental implant procedures. Regardless of their prevalent application, these methods are clinically demanding and often correlate with increased tissue and implant complications.

Contemporary strategies for oral rehabilitation capitalize on dental implants and immediate loading methods. These approaches have exhibited their potential for expedient, efficient restoration for patients, providing them with enhanced aesthetics and masticatory functions. Significantly, these techniques also minimize harm to soft and hard tissues.

For dentulous patients, the process of delivering an implant-supported prosthesis might only be possible by implementing intricate methods such as nerve relocation and grafting in the molar region of the upper and lower jaw. In such circumstances, the All-on-4 concept provides a practical resolution [4]. Nonetheless, the implant-supported prosthesis can often be rendered unfeasible due to proximity to critical anatomical structures such as the mandibular canal or the maxillary sinus.

Over time, many techniques, procedures, and materials have been introduced to address the complex issues involved in treating resorbed jaws while avoiding critical anatomical structures. These include using shorter implants, alveolar distraction osteogenesis, guided bone regeneration, intraoral and extraoral autogenous bone grafts, and nerve repositioning. However, these approaches' steep costs, extensive time requirements, and potential complications often restrict their widespread use.

As we ventured into the new millennium, a novel proposition arose: the introduction of implants tilted towards the distal end. This ground-breaking idea was explicitly aimed at leveraging the denser bone found in the anterior region of the mandible, a move that simultaneously strengthens bone attachment and simplifies the process of substituting posterior teeth, circumventing the necessity for extended cantilevers and bypassing the arduous bone grafting procedure [5].

Then came the transformative All-on-4 treatment scheme, devised to optimize the use of the scant remaining bone in

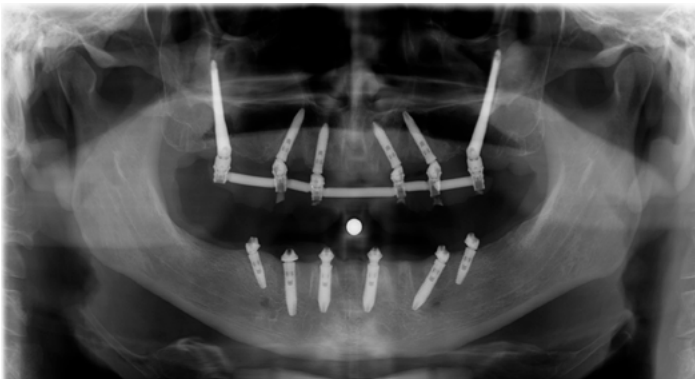
severely atrophic jaws. This ingeniously tailored solution facilitates immediate function and skillfully sidesteps regenerative procedures. The latter would ordinarily amplify both the financial burden of treatment and patient morbidity, not to mention the inherent complexities that come part and parcel with these processes [6].



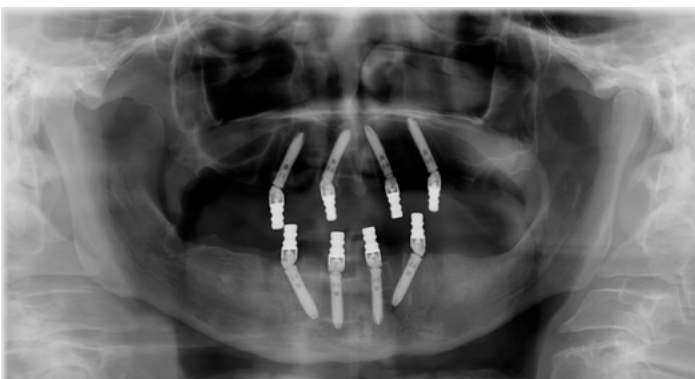
Disclaimer from Dr. Dennis Flanagan

The All-on-4 technique may have a basic flaw. The patients apparently do not have their bite force capacity measured. A late catastrophic failure could occur in patients with a high bite force capacity. Bone remodeling occurs continuously and this phenomenon may render the implants vulnerable to an overload during an osteoclastic phase. Any 50 micron luxation may induce loss of integration and fibrosis. It may be best to place as many implants as anatomically possible and measure bite force capability in order to minimize the risk for overload. Additionally an appropriate occlusal scheme that minimizes off axial loading is preferable.

Clinical Bite



Patient #1



Patient #2

The Evolution and Historical Background of the All-on-4® Treatment Concept

In 1999, Mattson's team introduced a significant change in dental restorative work. They found a way around the need for sinus augmentation in patients with extensive maxillary deterioration, employing four to six implants in the premaxilla to secure a fixed 12-tooth prosthesis [7]. Advancements continued into the new millennium (2000) when Krekmanov's team proposed the inclusion of tilted implants. In 2003, Paulo Malo's group codified these concepts into what we know today as the All-on-4 immediate loading technique [8]. This approach blends two vertical and two angled implants to fully utilize the available bone and offer immediate function [9].

In practice, the four implants are positioned in the front part of the jaw. The forward two trace the jaw's curve, while the rear two are at a 45-degree angle. Long-term studies reveal this method's success rates between 92.2% and 100% [10], marking the All-on-4 concept as a significant step forward in dental restoration.

Treatment Planning

Planning for the All-on-4 clinical procedure revolves around two fundamental principles. Firstly, it's designed to utilize the patient's bone structure fully. Secondly, it's crafted to facilitate immediate function post-procedure. This dual-focus approach ensures efficient use of resources while providing quick relief to the patient.

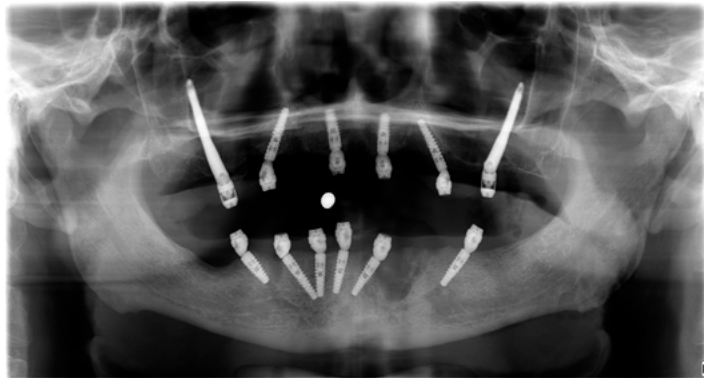
Key Considerations

- Aim for implant stability between 35-45 Ncm
- Avoid severe parafunctional activities
- For reducing the cantilever effect, it's beneficial to angle the back implants
- Extensive mouth opening isn't necessary.
- Favor implant placement amidst extraction sockets

BEFORE



AFTER



Patient #3

- f. The necessary bone measurements for the procedure are a 5mm width and a height of 10mm in the maxilla or 8mm in the mandible
- g. Over 30-degree angulation invites splinting of tilted implants, with screw access holes in the occlusal surface of specific teeth

All-on-4 Concept Benefits

The All-on-4 treatment concept presents a multitude of advantages that render it an attractive proposition for both patients and dental practitioners. Firstly, it circumvents the necessity for complex surgical procedures such as sinus augmentation or nerve repositioning often required with traditional implants. This renders the procedure less invasive and more palatable to patients, particularly those with apprehensions towards surgical intervention.

Secondly, the All-on-4 concept eliminates the requirement for bone grafting, thereby reducing recovery time and overall treatment costs. This makes the

procedure more accessible to a wider patient demographic.

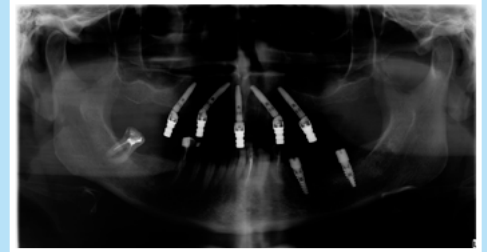
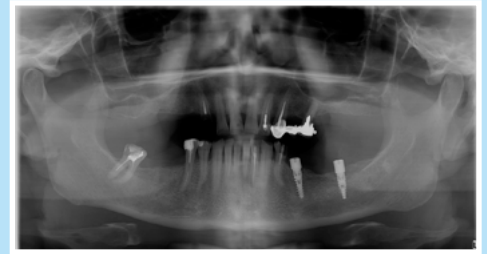
Thirdly, thanks to the strategic positioning of the implants, the All-on-4 concept ensures superior biomechanics, facilitating easier prosthesis maintenance and immediate aesthetic and functional benefits for the patient.

Finally, the All-on-4 concept significantly reduces overall treatment costs due to the use of fewer implants, while still maintaining high success rates in treatment outcomes.

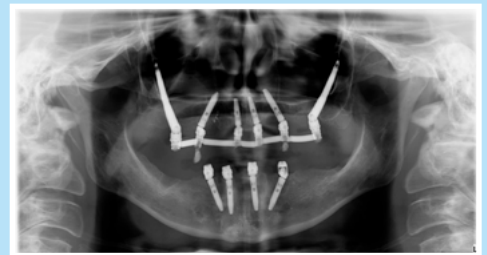
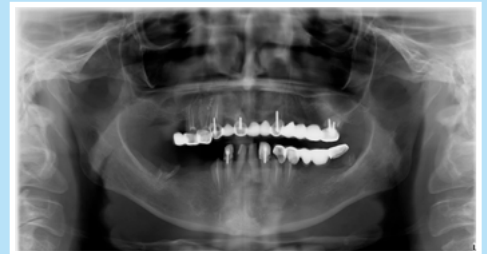
Drawbacks

Despite the plethora of benefits, the All-on-4 concept also harbors certain drawbacks that warrant consideration. Firstly, prosthetic cantilever extension has stringent limitations, which may restrict prosthetic options in certain cases.

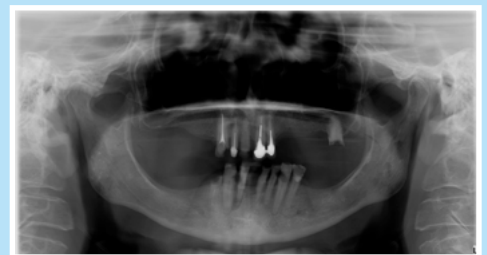
Secondly, freehand, arbitrary placement of implants is not always feasible as the procedure is entirely prosthetically driven. This renders the procedure highly technique-sensitive, necessitating intricate



Patient #4 before and after



Patient #5 before and after



Patient #6 before and after

Clinical Bite

pre-surgery preparations, including the use of CAD/CAM and surgical splints [11].

Thirdly, while the All-on-4 concept offers a multitude of benefits, it is not suitable for all patients. For instance, patients with certain anatomical features or severe gum diseases may not be suitable candidates for this procedure.

I. Procedure for Surgery

- ➔ Case identification in line with predefined conditions
- ➔ Employing the All-on-4 Guide for orchestrating implant placement is advised
- ➔ Using the All-on-4 Guide to pinpoint the Maxillary Antrum and Mental Foramen locations
- ➔ Conformity with set guidelines during implant placement

In the surgical procedure, a 2mm deep osteotomy, or bone hole, is created along the central axis of the maxilla (upper jaw) or mandible (lower jaw). A surgical guide featuring a titanium band is then carefully situated in this indentation. The band is shaped to reflect the curvature of the opposing jaw's arch. Notably, the guide used for the mandible also functions to pull the tongue back, providing more workspace. To ensure accuracy during drilling, vertical markers on the guide are em-

ployed as a reference, preserving the correct angular approach. This angle should not surpass a 45-degree tilt. Supplemental guides such as angulated pins and dentures may be molds for ideal placement. The foremost pair of implants are designed to mirror the natural orientation of the jaw. However, lingual tilt might occur in cases where substantial resorption of the mandible has taken place.

For the posterior set of implants, their placement is just anterior to the foramina or maxillary sinus. These are positioned slanted, angled roughly 30- to 45-degrees from the occlusal or biting plane.

The torque applied to each implant is set to exceed 35 Ncm. But dual-stage method becomes the preferred approach when the torque drops below 35 Ncm for at least three implants [9].

II. Prosthetic phase

We attach 17-degree multiunit abutments and 30-degree tilted, straight abutments with varying collar elevations to the implants. These components ensure optimal accessibility, fostering a relative parallel alignment. This setup facilitates the passive fitting of a firm prosthesis [12].

A temporary prosthesis is fabricated a few hours post-surgery (around 2-3 hours). To accomplish this, impression copings are attached to the multiunit abutments,

connecting them using a quick-hardening resin and wire bars. This method ensures a precision-fit replication without risking any accidental dislodging of the impression copings, following which we take the impression. As the provisional construction progresses, we use protective healing caps to safeguard the abutments.

The provisional screw-secured acrylic prosthesis is configured to a torque of 15 Ncm, recommending only soft food intake. For the ultimate prosthesis, set usually four to six months after initial implant insertion, stability of the implants is assessed. If deemed stable, the temporary restoration is removed and the patient's bite is recorded. Laboratory analogs, multi-unit in nature, are affixed to the provisional, which is then situated on an articulator counter to a counter model. Subsequently, the prosthesis gets indexed with a putty material.

A resin model is crafted in separate portions, assembled within the patient's oral cavity. This resin pattern undergoes scanning and the supportive framework is crafted using CAD/CAM technology. The ultimate prosthesis is produced and handed over after a trial of the framework. The final prosthesis could either be a metal-acrylic resin type featuring a titanium structure and acrylic resin dental prosthetics, or a metal-ceramic prosthesis comprising a titanium framework and ceramic zirconia crowns [12].

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DISCUSSION

In the rapidly evolving dental practice landscape, there's a clear trend toward optimizing patient outcomes, minimizing treatment expenses, and reducing discomfort. The All-on-4 treatment approach is at the forefront of this change, delivering straightforward, consistent results to individuals suffering from edentulism. This methodology offers a commendable quality of life boost, making it a patient-centric solution that aligns with modern dentistry's high standards. The All-on-4 concept bridges the gap between affordability, patient comfort, and treatment efficiency [13].

Babbush and colleagues introduced a new methodology that combined Nobel Active implants with the All-on-4 concept, focusing on implants with a diameter of 3.5mm. Their study involved a thorough analysis of 227 implants over a follow-up period spanning one to three years. The results were remarkable, with an outstanding cumulative survival rate of 98.7% observed at the end of the three-year duration. Furthermore, the prosthetic survival rate demonstrated a flawless 100%, indicating the exceptional long-term effectiveness of the procedure [14].

Paul Malo conducted a thorough examination of clinical cases. He discovered that regarding the long-term results (up to ten years), the All-on-4 treatment approach

yielded positive outcomes for 245 individuals with fully edentulous lower jaws. The study revealed that the cumulative survival rates for implants were 93.8% and 94.8% when analyzed based on patients and individual implants, respectively [15].

Lopes et al. conducted a forward-looking investigation to assess the intermediate and extended results of rehabilitating entirely toothless jaws using the All-on-4 treatment approach, which involved a computer-assisted surgical protocol. They documented an impressive 96.6% combined success rate over five years of post-treatment monitoring [16].

Research findings regarding the All-on-4 technique have demonstrated that the combined rates of successful outcomes vary from 92.2% to 100% [10]. Clinical investigations in the last ten years have indicated that utilizing over four dental implants to uphold a complete, permanent bridge is generally unnecessary. Furthermore, it has been observed that augmenting the number of implants beyond four does not enhance the likelihood of achieving successful results [17].

Thanks to the ability to tilt, the implants can be securely attached to dense bone formations (specifically, the denser an-

terior bone) and evenly distributed in the anterior-posterior direction, resulting in a highly functional prosthetic foundation.

Minimizing the implant count to four makes it possible to position each implant without encountering any interference from neighboring implants. This treatment strategy, involving tilting and utilizing fewer implants instead of multiple implants vying for space, has exhibited favorable outcomes.

Conclusion

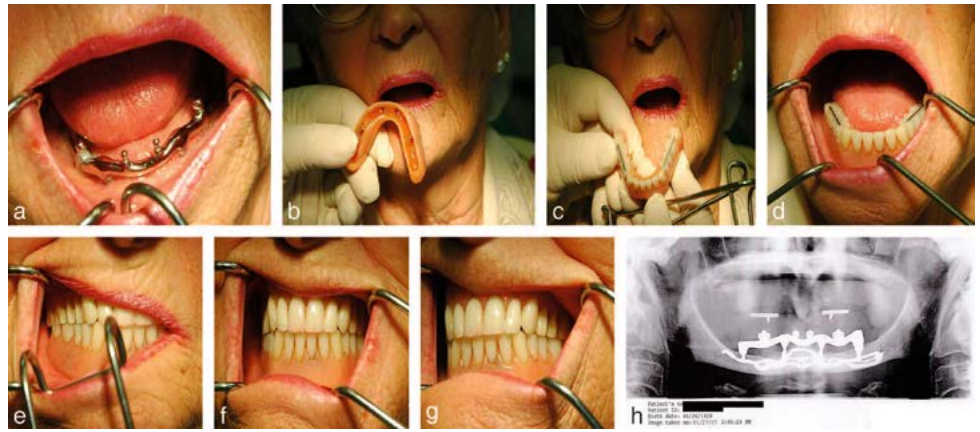
The All-on-4 technique offers a refreshing take on rehabilitating edentulous jaws, proposing a solution that steps away from complex surgical procedures and removable prostheses. This approach is cost-efficient, reduces the treatment period, lowers morbidity, and notably enhances the patient's quality of life. Past efforts to address severe resorption in the maxilla and mandible using dental implants yielded limited victories. However, the advent of the All-on-4 protocol provides a beacon of hope for palpable progress in the reinvigoration of completely edentulous and significantly deteriorated maxilla and mandible. It rapidly became a favored treatment method and the gold standard for managing patients with severe dental complications.

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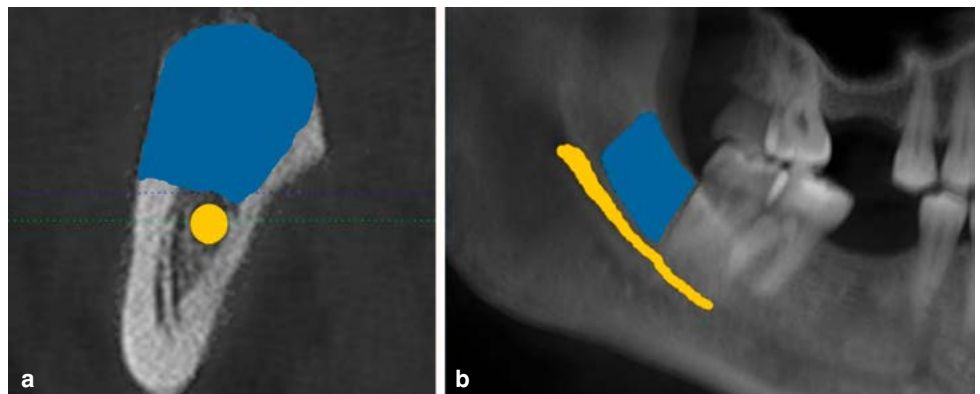
Editor's Note: Because of your busy schedule, you may not have time to read the dozen or so articles in each issue of the *Journal of Oral Implantology*. In this section of *AAID News*, we select a few articles that have broad applicability to daily practice and provide a brief summary of key points so you can decide if you wish to read the complete article. The following articles are from Volume 49, Issue 3 (2023).



LITERATURE REVIEW

The World's Longest Functioning Implant: A Verified Case Report

In this report, researchers objective was to emphasize the successful use of a subperiosteal implant as a treatment modality in an atrophic mandible, one that survived for over 56 years.



LITERATURE REVIEW

Three-Dimensional Evaluation of Autogenous Ramus Block Graft Donor Site and Its Relation to Mandibular Canal

In this retrospective study, researchers objectives were to give the dimensions and volume of the potential ramus block graft site and to assess the potential effect of mandibular canal diameter and its position in regards to mandibular ramus block graft volume.

GUEST EDITORIAL

Anatomically Driven Immediate Implant Placement in the Esthetic Zone: Two Case Reports as Proof of Principle

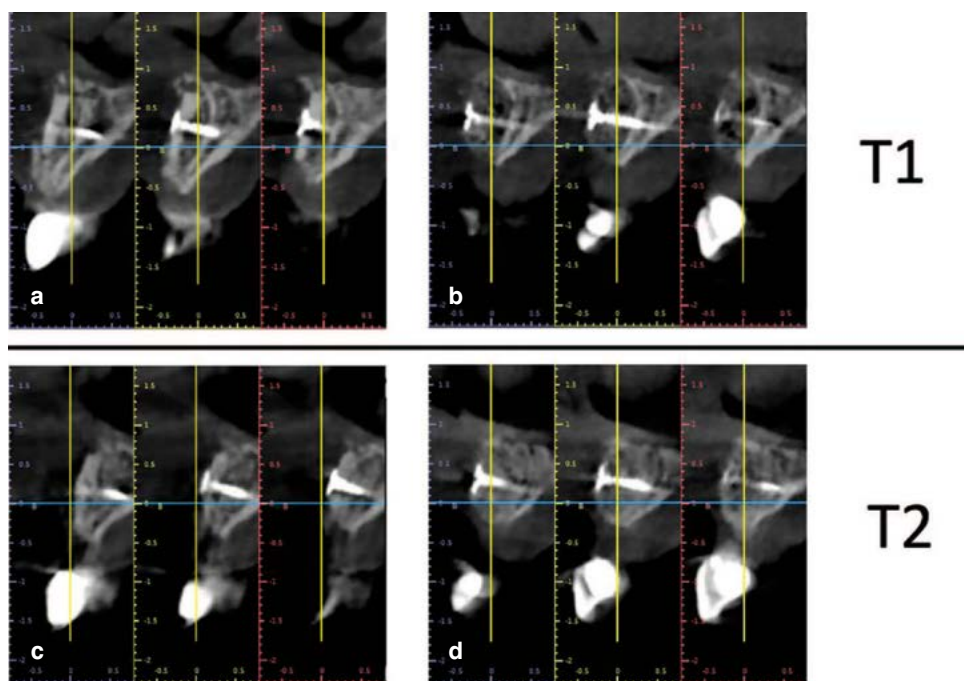
In this clinical case letter, authors describe 2 variations of an anatomically driven approach for achieving ideal 3-dimensional osteotomy positioning for immediate implant placement in the esthetic zone of maxilla.



LITERATURE REVIEW

Horizontal Bone Augmentation With Autogenous and Collagenated Xenogeneic Bone Blocks: A Split-Mouth Prospective Clinical, Tomographic, and Histological Pilot Study

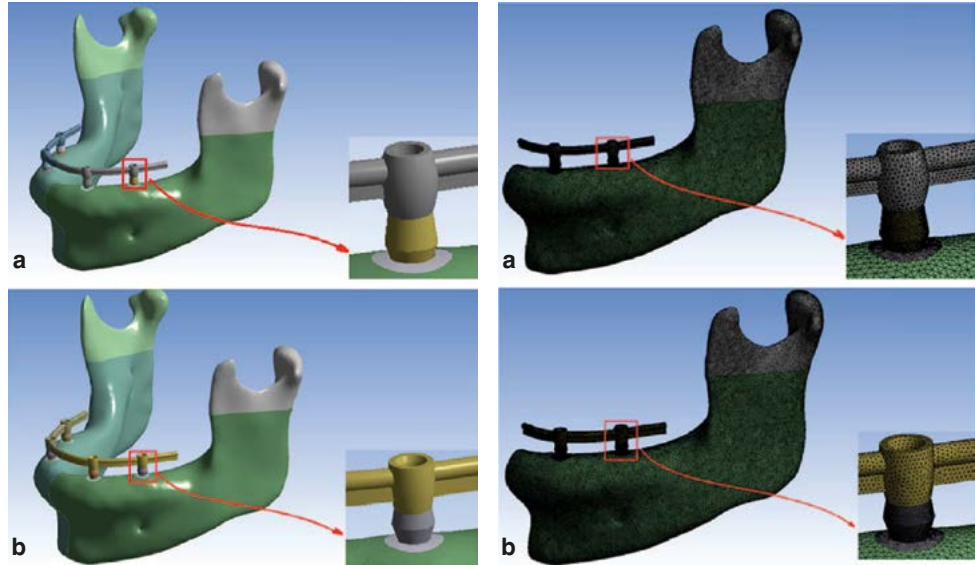
The purpose of this clinical study was for authors to compare the clinical, tomographic, and histological performance of collagenated xenogeneic bone blocks in horizontal bone augmentations for implant placement.



LITERATURE REVIEW

Abutment-Bar Structure Connection Geometry: An Important Design parameter for Implant-Supported Bar-Retained Overdentures With Cantilever Extension

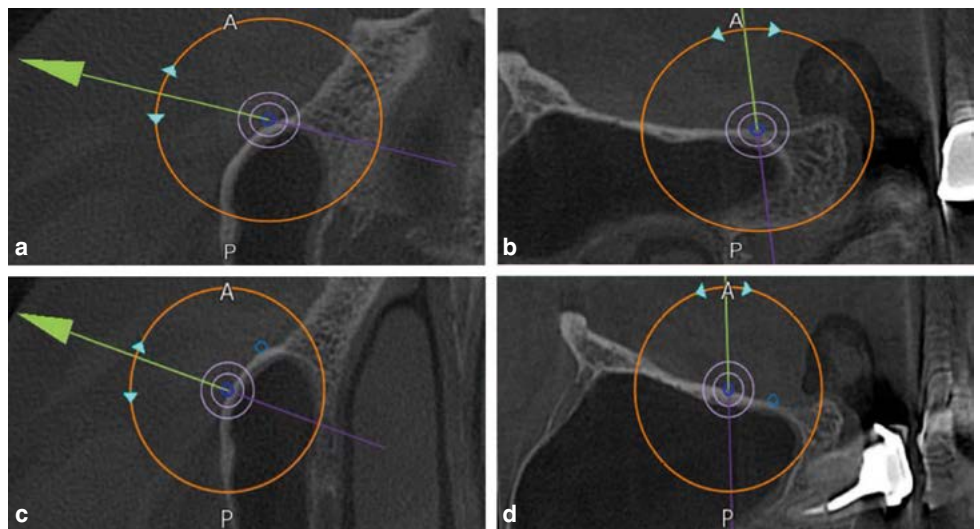
In this study, authors introduced a new abutment-bar structure connection design for implant-supported bar-retained overdentures to increase the rotational mobility of the bar structure on the abutments. This new way was then compared with the overdenture models with a classical abutment-bar structure connection to determine if the new design would result in lower stress levels.



LITERATURE REVIEW

Guided Lateral Window Osteotomy Using Dynamic Navigation for Maxillary Sinus Augmentation: A Novel Technique

The reason behind this case report was for researchers to show a novel technique using the dynamic navigation to accurately plan and surgically achieve the outline of maxillary lateral sinus window osteotomy during sinus augmentation surgery.



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The Las Vegas and New York AAID Maxicourse provides online and immersive hands-on training to ensure an in-depth 300 CE hour education program in implant dentistry. These Maxicourses qualify and prepare participants to take the written portion of the AAID Associate Fellow Membership Examination.



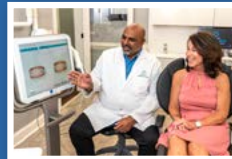
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AAID ANNOUNCES 2024 SLATE OF OFFICERS

The AAID Nominating Committee, chaired by Brian Jackson, DDS, FAAID, DABOI/ID, presents the following slate of officers for consideration at the AAID 2023 Annual Business meeting during the Scientific Session, to be held November 1 to 4, 2023. In accordance with Article IX, Section 7 of AAID's By-laws, members not nominated by the Nominating Committee may be nominated by petition as follows: "3) Nothing herein contained shall prevent voting members from nominating a candidate provided that the nomination petition is submitted to the chairman of the Nominating Committee or that person's designee at least 30 days in advance of the election [i.e., October 4, 2023] at the Annual Meeting for distribution to the voting membership at least 21 days in advance of the election. 4) A nominee not announced by the Nominating Committee must include the signatures of at least 5 percent of the voting membership on the petition. 5) The Committee shall obtain a disclosure statement from each candidate nominated by the Committee or by petition and make this information available to the voting members."

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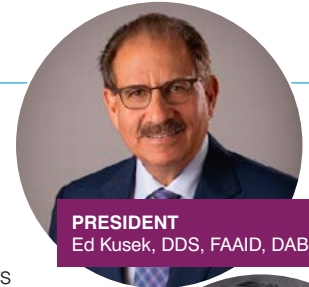
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MEET MARIO SILVESTRI, DDS, FAAID, DABOI/ID

Dr. Silvestri earned his DDS in 1989 from the School of Dental Medicine at SUNY Buffalo with a minor in periodontics. He then served as chief resident at the General Practice Residency at Englewood Hospital in Englewood, New Jersey. Dr. Silvestri is a graduate of the 2015 Las Vegas MaxiCourse® and became an AAID Associate Fellow the following year. He became a Diplomate of the American Board of Oral Implantology/Implant Dentistry in 2018 and an AAID Fellow in 2019. Dr. Silvestri is a 2-term member of the AAID Board of Trustees for the Northeast District. He served as chairman for the AAID Office Space Task Force. He continues to serve on the Bylaws Committee and the Legal Oversight Committee, and is on the faculty of several AAID MaxiCourses. Dr. Silvestri has practiced in Vestal, New York since 1990 and has served as a member of both the NYSDA Board of Trustees and its Foundation Board of Trustees. Also, he has chaired and served on various committees for the ADA and the New York Dental Society, and is a Fellow in the Academy of General Dentistry.

Dr. Silvestri believes that the AAID should always remain the premier credentialing organization for implant dentistry with its focus on member education. He explains that the AAID must continue to progress on three issues, the first of which is the continued development of our implant residencies. He feels that the latter, coupled with our legal efforts, is how we will elevate the status of our credentialed members. Second, the AAID's continued revitalization of our MaxiCourses and streamlining the credentialing process will allow all members the opportunity to be credentialed, thus increasing and diversifying our membership. Lastly, proceeding with the retooling of our annual and district meetings to include more hands-on workshops and platforms for developing young, articulate speakers will allow the AAID to generate non-dues revenue, remain vital in the Zoom era, and be inclusive to all its members.



THE AAID FOUNDATION SEEKS DONATIONS FOR 2023 SILENT AUCTION

For decades, AAID members, exhibitors, and sponsors have supported the AAID Foundation's mission of furthering the science of oral implantology and the delivery of implant care through the Foundation's charitable efforts. The biggest fundraiser of the year is quickly approaching! The AAID Foundation Board is preparing for the 2023 Silent Auction, which will be held in conjunction with the AAID Annual Conference at Caesars Palace in Las Vegas, November 1-4, 2023.

Generous donations to this auction have assisted the Foundation in raising more than \$1,000,000 to support student and large research grants and the *Smile, Veteran!*™ program. Now is the time to donate an educational program, MaxiCourse®, implant materials, instruments, vacation packages, tickets to major sporting events, and more.

To donate, email foundation@aaid.com with the subject line "Auction" or call (312) 335-1550 with questions. The Foundation will accept donations until October 2, 2023.

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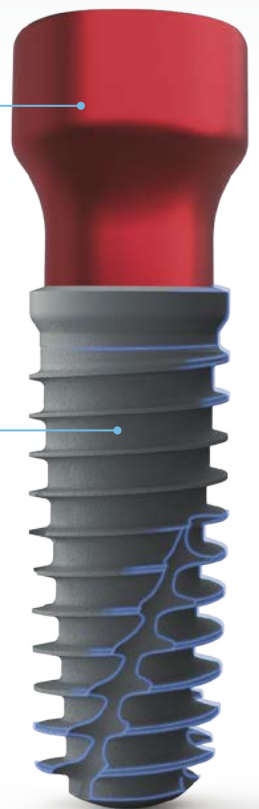
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Academy News

Congratulations to the **2023 Dental Student Award Winners**

Every year accredited dental programs refer an outstanding pre- and/or post-doctoral dental student who demonstrates great interest, academically and clinically, in implant dentistry. The award serves as recognition of students' achievements, as well as provides the opportunity for the winner to advance their skills and knowledge within the field of implant dentistry. Winners receive complimentary membership and registration to an AAID educational meeting of their choice. Look out for these future dental implantologists!



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Maksim Kazantcev
*University of the Pacific Arthur
A. Dugoni School of Dentistry*



Kirushalini Kirupakaran
University of British Columbia



Isaac Langan
*University of Nebraska Medical
Center College of Dentistry*



Alexander Li
Thomas Jefferson University



Michael Lien
*Loma Linda University
School of Dentistry*



Vincent Mak
*Stony Brook University
School of Dental Medicine*



Kathleen Chloe Mascardo
*Harvard University
School of Dental Medicine*



Kacie McKeon
*Oregon Health and Science
University School of Dentistry*



Freddy Mikhail
*New York University
College of Dentistry*



London Minta
*University of Connecticut
School of Dental Medicine*



Allison Monks
*Southern Illinois University
School of Dental Medicine*



Fritz Mora
*University at Buffalo
School of Dental Medicine*



Valeria Morales
*Creighton University
School of Dentistry*

Academy News

Congratulations to the **2023 Dental Student Award Winners**



Hershan Octain
*Indiana University
School of Dentistry*



Devin Patel
Dental College of Georgia



Neifre Pereira
*University of Puerto Rico
School of Dental Medicine*



Huan Phan
*Univerisyt of Texas Health
Houston School of Dentistry*



Cameron Wesley Pharr
Harvard University



Amanda Phung-Tien Ng
*Texas A&M University
School of Dentistry*



Hossein Razfar
*Midwestern University IL
College of Dental Medicine*



Andrew Robbins
*University of Texsa Health San
Antonio School of Dentistry*



John Rodgers
*Western University
of Health Sciences
College of Dental Medicine*



Megan Sabus
University of Iowa



Zaid Salman
*Temple University
Maurice H. Kornberg
School of Dentistry*



Alina Savitskaya
*Boston University
Henry M. Goldman
School of Dental Medicine*



Andreas Schmaltz
*University of Colorado
School of Dental Medicine*



Parth Shah
Penn Dental Medicine



Keita Spaulding
*University of Kentucky
College of Dentistry*



Nicole Steliotos
*University of Pittsburgh
School of Dental Medicine*



Stephany Papademetriou Stevenson
Arizona University
School of Dentistry & Oral Health



Ksenia Sundukova
Boston University
Henry M. Goldman
School of Dental Medicine



Jordan Tretbar
The Ohio State University
College of Dentistry



Maya Vexler
University of North Carolina
Adam's School of Dentistry



Madison Williams
A.T. Still University Missouri
School of Dentistry & Oral Health



Ji Young Yoon
University of Illinois Chicago
College of Dentistry




Neifre Pereira Valdes
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*Trends in
Transformation*

NOVEMBER 1-4, 2023
CAESARS PALACE

THE FLAGSHIP EVENT FOR IMPLANT DENTISTRY IS COMING TO LAS VEGAS!



You don't need to exclusively work in the field to benefit from attending. The Annual Conference is open to all professionals. Whether you are adding to your practice, honing your existing abilities, or gaining valuable continuing education credits, the AAID has you covered.





Trends in Transformation

A CONFERENCE EXPERIENCE LIKE NO OTHER

In addition to the excitement of Las Vegas, this year's event offers you:

- * The opportunity to learn from the world's leading practitioners
- * Keys to attracting implant patients to your practice
- * The ability to earn 20+ hours of continuing education
- * Main Stage and Side Stage lecture presentations (included with your registration)
- * Hands-on workshops and seminars
- * Exclusive access to the top technologies in implant dentistry through our exhibitors
- * Exceptional networking opportunities

Note: There is no virtual option this year

IMPLANT WORLD EXPO:

Our Implant World Expo will be held November 2-3 this year! The exhibit hall at Caesars Palace will offer our attendees the chance to explore products, resources, and information relevant to their patients' needs.

Exhibit sales for Implant World Expo are SOLD OUT! Thank you to all Annual Conference exhibitors and sponsors.

We look forward to welcoming you to the 2023 AAID Annual Conference!

SCHEDULE AT A GLANCE

Program information as of September 19, 2023

TUESDAY

OCTOBER 31, 2023

4:00 PM – 7:00 PM PDT
Registration

WEDNESDAY

NOVEMBER 1, 2023

7:00 AM – 8:00 AM PDT
Breakfast

7:00 AM – 8:00 PM PDT
Registration

8:50 AM – 11:55 PM PDT
New Trends, Techniques &
Technology Sessions

10:00 AM – 10:30 AM PDT
Networking Break

12:00 PM – 12:45 PM PDT
Proper Use of Legal Entities for Lawsuit
Protection and Tax Reduction: Sponsored
Lunch (713)

1:00 PM – 5:00 PM PDT
Main Stage Presentations

1:30 PM – 5:30 PM PDT
Workshops & Seminars -
Ticketed Sessions

3:30 PM – 4:00 PM PDT
Networking Break

4:00 PM – 6:00 PM PDT
Stage Left Presentations

5:00 PM – 5:30 PM PDT
Keys to Transformational Dental
Practice Success (630)

6:00 PM – 8:00 PM PDT
Welcome Reception

THURSDAY

NOVEMBER 2, 2023

7:00 AM – 8:00 AM PDT
Breakfast

7:00 AM – 7:00 PM PDT
Registration

8:00 AM – 12:00 PM PDT
Main Stage Presentations

8:00 AM – 12:00 PM PDT
Workshops & Seminars -
Ticketed Sessions

8:00 AM – 5:30 PM PDT
Dental Implant Team -
General Sessions

9:30 AM – 7:00 PM PDT
Implant World Expo
Exhibit Hall

10:00 AM – 11:00 AM PDT
Networking Break
Exhibit Hall

12:00 PM – 1:30 PM PDT
Central District Caucus Lunch

12:00 PM – 1:30 PM PDT
International Caucus Lunch

12:00 PM – 1:30 PM PDT
Lunch Break
Exhibit Hall

12:00 PM – 1:30 PM PDT
Northeast District Caucus Lunch

12:00 PM – 1:30 PM PDT
Southern District Caucus Lunch

12:00 PM – 1:30 PM PDT
Western District Caucus Lunch

1:30 PM – 5:30 PM PDT
Main Stage Presentations

1:30 PM – 5:30 PM PDT
Workshops & Seminars -
Ticketed Sessions

3:30 PM – 4:30 PM PDT
Networking Break
Exhibit Hall

5:30 PM – 7:00 PM PDT
Implant World Expo Reception
Exhibit Hall

FRIDAY

NOVEMBER 3, 2023

7:00 AM – 8:00 AM PDT
Breakfast

7:00 AM – 5:30 PM PDT
Registration

8:00 AM – 12:00 PM PDT
Dental Implant Team Network
Dental Assistant Track

8:00 AM – 12:00 PM PDT
Dental Implant Team Network
Hygiene Track

8:00 AM – 12:00 PM PDT
Main Stage Presentations

8:00 AM – 12:00 PM PDT
Stage Left Presentations

8:00 AM – 12:00 PM PDT
Workshops & Seminars -
Ticketed Sessions

8:00 AM – 5:30 PM PDT
Dental Implant Team Network
Administration Track

8:00 AM – 5:30 PM PDT
Dental Implant Team
Network Dental Lab Track

9:30 AM – 4:30 PM PDT
Implant World Expo
Exhibit Hall

10:00 AM – 11:00 AM PDT
Networking Break
Exhibit Hall

12:00 PM – 1:30 PM PDT
ABOI/ID Diplomat Induction Lunch
ABOI/ID Ticket Required

12:00 PM – 1:30 PM PDT
Lunch Break
Exhibit Hall

1:30 PM – 5:30 PM PDT
Dental Implant Team Network
Joint Assistant/Hygiene Track

1:30 PM – 5:30 PM PDT
Main Stage Presentations

1:30 PM – 5:30 PM PDT
Stage Left Presentations

1:30 PM – 5:30 PM PDT
Workshops & Seminars -
Ticketed Sessions

3:30 PM – 4:30 PM PDT
Networking Break
Exhibit Hall

5:30 PM – 6:30 PM PDT
Women in Dentistry Reception

SATURDAY

NOVEMBER 4, 2023

7:00 AM – 8:00 AM PDT
Breakfast

7:00 AM – 12:00 PM PDT
Registration

8:00 AM – 10:45 AM PDT
Stage Left Presentations

8:00 AM – 12:00 PM PDT
Main Stage Presentations

8:00 AM – 12:00 PM PDT
Science Stage Presentations

8:00 AM – 12:00 PM PDT
Workshops & Seminars -
Ticketed Sessions

10:45 AM – 11:00 AM PDT
Networking Break

2:00 PM – 4:00 PM PDT
AAID Business Meeting

6:00 PM – 11:59 PM PDT
President's Celebration



Trends in Transformation

MAIN STAGE

Top presenters, outstanding implantologists, and complete coverage of current implantology trends make the Main Stage programs the headliner of the AAID Annual Conference.

The Implant Challenge: Strategies to Achieve Predictable Results Between Teeth and Implants (605)

WEDNESDAY, NOVEMBER 1, 2023
1:00 PM – 1:45 PM PDT

Victor Clavijo, DDS, MD/MS, PhD
Indaiatuba, Sao Paulo, Brazil

Disclosure(s): No financial relationships to disclose

The connective zone between the restoration and the soft tissue is one of the most important aspects that will lead to an imperceptible esthetic oral rehabilitation. This lecture will highlight the treatment planning options for highly challenging and demanding esthetic cases by using pink ceramics, implants and/or veneers, and analogic and digital workflows in order to improve esthetic outcomes.

LEARNING OBJECTIVES:

- * Learn about pre-extraction treatment
- * Learn about soft tissue management
- * Explore the digital impression process and the decision-making process to select abutment material



Dental Pharmacology Applied to the Dental Implant Patient: Evidence-based Considerations for Analgesics, Antibiotics, and Newer Medical Drugs Affecting Implant Success (606)

WEDNESDAY, NOVEMBER 1, 2023
1:45 PM – 2:30 PM PDT

Henry Butch Ferguson, DMD
Martinez, Georgia, United States

Disclosure(s): No financial relationships to disclose

Review of the dental implant surgeon literature-based protocols for the use of antibiotics and analgesics for the implant patient. The presentation will also discuss concerns regarding patients taking selective serotonin reuptake inhibitors (SSRIs) and protein pump inhibitors (PPIs) as this relates to implant osteointegration.

LEARNING OBJECTIVES:

- * Appreciate the benefit of antibiotics on implant success, but realize that there are no standardized antibiotic protocols
- * Identify commonly used analgesic protocols for application and management of post-op discomfort of the implant patient
- * Appreciate potential impairments to implant osseointegration posed by patients taking SSRIs and PPIs, and provide appropriate informed consent and clinical judgement



Predictability in Restorative Care (607)

WEDNESDAY, NOVEMBER 1, 2023
2:30 PM – 3:15 PM PDT

Todd Davis, DDS
Atlanta, Georgia, United States

Disclosure(s): No financial relationships to disclose

This course will present what is involved in delivering restorative care that not only looks beautiful but has the longevity that patients deserve. One of the causes of failures of implants that have successfully integrated is too much force. Participants will learn how to provide restorative care that lasts with predictability. They will learn what it takes to become confident in delivering excellent restorative dentistry.

LEARNING OBJECTIVES:

- * Learn what is involved in predictably providing restorative care that lasts as long as patients deserve
- * Learn how to avoid implant failures caused by too much force
- * Gain confidence in delivering excellent restorative care



Facial Scanning Technology for Precise Solutions in 2023 and Beyond (608)

WEDNESDAY, NOVEMBER 1, 2023
3:30 PM – 4:15 PM PDT

John Brokloff, DDS, Adjunct Professor
Brecksville, Ohio, United States

Disclosure(s): No financial relationships to disclose

Facial scanning technology is rapidly becoming the standard of care for BEST PRACTICE esthetic dental implant prosthesis fabrication. Face scan technology can and should be used as a tool to preoperatively plan restorative cases and communicate with dental labs for midline position, incisor edge position, tooth size and quantity, occlusal plane, and bite articulation relationships. Case presentations with examples will be shown with critical evaluation and information on how facial scan technology can be the SOLUTION for implant practices in 2023 and beyond.

LEARNING OBJECTIVES:

- * Learn basic scanning protocol
- * Explore basic computer requirements
- * Compare 2D pictures to 3D scanning





Full Spectrum Zygomatic Implant Therapy Demystified (609)

WEDNESDAY, NOVEMBER 1, 2023
4:15 PM – 5:00 PM PDT

Michael A. Pikos, DDS, FAAID, DABOI/ID
Pikos Institute
Trinity, Florida, United States

Disclosure(s): No relevant disclosure to display

This presentation will focus on a prophylactic, evidenced-based approach to zygomatic implant therapy for the severely atrophic maxilla. It will cover the use of zygomatic implants for single zygomatic use, hybrid zygoma, and quad zygoma case types. Conservative osteotomy preparation with a focus on prosthetically guided implant placement, along with both hard and soft tissue considerations, will be discussed.

LEARNING OBJECTIVES:

- * Understand pertinent anatomy and prosthetically driven zygomatic implant surgical protocol for the atrophic maxilla
- * Understand the foundational principles of zygomatic implant therapy

- * Understand the step-by-step workflow for both brain guided and digitally guided surgical placement of zygomatic implants



Learn Twenty Psychological Traits That Tend to Put Persons at Risk for Suicide (610)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 9:00 AM PDT

William McConochie, PhD
Eugene, Oregon, United States

Disclosure(s): No financial relationships to disclose

This lecture will present 20 common psychological traits that put persons at risk for suicide, such as lack of friends. You will learn suggestions for how to work on these traits in counseling, if you have a score in the clinical range, e.g. no friends that you see often. You will learn the steps in a simple “secular prayer” to review your day and plan a good one for tomorrow. You will briefly notice ten or so common problem areas that put persons at risk for violence and/or other forms of crimes, including fraud, and learn that the majority of dentists experience fraud in

their professional careers. You will learn that most people often feel bored after just 20 minutes of lecture on any topic, including talk about dentistry, and the pleasure of taking a break from listening to chat with a couple of other folks about a lecture “taste.”

LEARNING OBJECTIVES:

- * Understand how to make little changes in personal habits to reduce one’s risk of suicide
- * Discuss suicide-proneness stresses with fellow employees and colleagues
- * Learn how to find scientific research online on the psychological issues within dentistry



SCAN FOR MORE INFORMATION



Trends in Transformation

MAIN STAGE (continued)

Program information as of September 19, 2023

Redox Biology, Cellular Health, and Anti-aging (611)

THURSDAY, NOVEMBER 2, 2023
9:00 AM – 10:00 AM PDT

Lee Ostler, DDS
Richland, Washington, United States

Disclosure(s): No relevant disclosure to display

The discoveries of the Redoxome and of cell signaling molecules are among the most important for health in our lifetime. Operating at a deeper level than the DNA, the innate power of redox signaling is a commanding force-multiplier to protect and restore health and to slow the forces of aging. The essence of cell-protective mechanisms which detect and respond to stress are grounded in the inner workings of the Redoxome and upon redox-sensitive transcription factors.

Redox signaling molecules are native to the body and have a universal effect on all cells to manage the on/off regulatory circuits (“redox switches”) that are responsive to changes in the cellular environment and enhance the stress response, creating cellular renewal and stress resilience. These functions include energy metabolism, redox signaling, hormesis, ketosis, metabolic flexibility, and the process of autophagy and DNA repair.

A vibrant Redoxome governs every healthy cellular function. Everything in the body conforms to the influence of redox reactions. These are the “rules of the cell”, the blueprint for metabolic health and function. Health or disease is the result based on the cellular and mitochondrial lifestyle. This makes the “Redox Lifestyle” key to genuine health, antiaging, and to needing less medical intervention. This is the essence of how to “Awaken Your Inner Doctor.”

LEARNING OBJECTIVES:

- * Understand the basics of cell biology as related to oxidation and reduction, and the redox-sensitive transcription factors that regulate gene expression

- * Learn about the role of mitochondria in both energy production and the creation of reactive oxygen species, which are then utilized by the cell to manage its regulatory circuits
- * Learn about a variety of lifestyle-related behaviors and practices, as well as number of ancillary modalities which influence and upregulate cellular redox pathways that support health, healing, and antiaging mechanisms



Full Arch Guided Full Digital Workflows (613)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 2:30 PM PDT

Danny Domingue, DDS, FAAID, DABOI/ID
Drs. Smith and Domingue
Lafayette, Louisiana, United States

Disclosure(s): No financial relationships to disclose

Participants will learn about treatment planning aspects in full arch rehab and full arch reconstruction concepts and immediate loading protocols. The presenter will demonstrate techniques and armamentarium utilized for different surgical and prosthetic cases. Participants will examine full protocol for diagnosis, software planning, and surgical execution for complex full arch implant cases, and be better able to understand the limitations of bone, implants, surgery, grafting, bone guides, 3D printing, digital dentures, immediate loading. The presentation aims to simplify treatment planning, case presentation, and implement both phases of treatment (surgical and prosthetic). Cost considerations and dealing with complications will be discussed. Participants will learn ways to generate thick attached tissue around implants without grafting, discern what type of full arch restoration is best for a given patient’s situation, and review of useful technologies for carrying these cases out in house.

LEARNING OBJECTIVES:

- * Learn full protocol for diagnosis, software planning, and surgical execution for complex full arch implant cases
- * Review full arch reconstruction concepts and immediate loading protocols
- * Understand the limitations of bone, implants, surgery, grafting, bone guides, 3D printing, digital dentures, and immediate loading



Sleep Apnea & Dentistry: Time To Wake Up! An Introduction to Screening Patients in Your Practice (614)

THURSDAY, NOVEMBER 2, 2023
2:30 PM – 3:30 PM PDT

Erin E. Elliott, DDS
Post Falls, Idaho, United States

Disclosure(s): No financial relationships to disclose

Are there are hundreds of undiagnosed patients in your practice suffering from sleep apnea? Guaranteed. Untreated sleep apnea can cause high blood pressure, stroke, heart conditions, and diabetes. Did you know that dentists play a key role in treating sleep apnea? This practical, interactive course is designed to educate participants on detecting and treating this condition to improve patients’ health and quality of life while building your practice.

LEARNING OBJECTIVES:

- * Review the basics of sleep and sleep apnea
- * Learn about the signs, symptoms, and health consequences of untreated sleep apnea
- * Learn to create awareness in the hygiene department and about basic oral appliance selection criteria







Trends in Transformation

MAIN STAGE (continued)

Program information as of September 19, 2023

Robotics and Facial Esthetics (615)

THURSDAY, NOVEMBER 2, 2023
4:30 PM – 5:30 PM PDT

Hanife Canan Bayraktaroglu, DDS,
Adjunct Professor
Southlake, Texas, United States

Disclosure(s): No financial relationships to disclose

Robot-assisted surgery has become the standard of care across a wide range of medical disciplines for the many advantages it offers. The Dental Robotic System brings all of this and more to dentistry. Implant placement is playing an essential role in restoring harmony to faces that have lost their balance due to the loss of teeth. In this presentation, the speaker will focus on the power of dental surgical robotics through treatment planning and placement of dental implants with the Dental Robotic System for optimal facial esthetics. Attendees will learn about the advantages of the system and review different types of implant cases with the Dental Robotic System. The ultimate goal for clinicians is to obtain control of every aspect of their clinical work; the Dental Robotic System is paving the way to help clinicians achieve that goal.

LEARNING OBJECTIVES:

- * Understand the value and power of integrating the Dental Robotic System into everyday implant cases
- * Learn how to treat those patients and sites that are not free-hand surgery candidates for implants with the precise Dental Robotic System
- * Learn protocols for key components of technology used in digital dentistry with Dental Robotics, such as clinical photography, intra-oral scanning, 3D facial scanning, smile design concepts/planning center, and 3D printing and milling



35 Years of Osseointegration: A Glimpse of the Future (616)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Adriano Piattelli, DDS, MD
FRANCAVILLA AL MARE (CHIETI), Italy

Disclosure(s): No financial relationships to disclose

Luca Comuzzi, DDS, DMSc photo
Luca Comuzzi, DDS, DMSc
San Vendemiano, Veneto, Italy

Disclosure(s): No financial relationships to disclose

There is a need in modern Implant Dentistry to always look for ways to improve patient treatment and outcomes. This presentation will outline the results obtained with the use of Cone Morse Implant-Abutment connections of Airplasma technology, Conometric Concept, Complex Magnetic Fields, Dynamic Navigation, Peri-Implant Soft Tissues, and a new technique to treat extreme atrophy of the jaws.

LEARNING OBJECTIVES:

- * Learn the possibilities offered by the use of Cone Morse Implant-Abutment Connections of the Conometric Concept and Dynamic Navigation
- * Understand how to keep the peri-implant soft tissues healthy over the long term
- * Evaluate the possible use of new devices and of new techniques in daily clinical practice



Management of Malpositioned Dental Implants (617)

FRIDAY, NOVEMBER 3, 2023
9:00 AM – 10:00 AM PDT

Scott D. Ganz, DMD
Fort Lee, New Jersey, United States

Disclosure(s): No financial relationships to disclose

Dental implantology has evolved due to significant technological advances in digital imaging, increased computing power to enhance interactive treatment planning software, and links to CAD/CAM and stereolithography applications which could be used to fabricate static surgical guides for dental implant placement. Implant complications can result for a variety of reasons compromising treatment outcomes. Implants placed at unfavorable angles outside of the "restorative envelope" present specific obstacles where the only solution is explanation. Malpositioned implants present a particularly difficult challenge for the restorative/surgical clinician as well as for the patient, who may have to undergo several procedures to correct the initial surgical intervention.

LEARNING OBJECTIVES:

- * Demonstrate the importance of 3D imaging, proper diagnosis and treatment planning concepts
- * Learn how to evaluate and manage malpositioned implants and utilize treatment planning software to formulate successful revisions
- * Explore the use of 3D printing for the fabrication of advanced surgical guides



SCAN FOR MORE INFORMATION



Natural Regeneration in Implant Dentistry and Facial Esthetics Using Laser Therapy and Platelet-Rich Fibrin (618)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Richard J. Miron, DMD, DrMedDent,
MMS, MMSc, PhD
Palm Beach Gardens, Florida, United States

Disclosure(s): No relevant disclosure to display

As the fields of PRP/PRF and laser therapy continue to evolve, it is clear that both the beginner and the advanced practitioner seek convenient, safe, and effective therapies. This lectures will discuss the 100% all-natural approach to regeneration using lasers in combination with platelet-rich fibrin. One main discovery has been the ability to extend the resorption properties of PRF from 2 weeks to 4-6 months utilizing Bio-Heat Technology. This has been the cornerstone therapy at Care esthetics and a growing trend whereby clinicians are involved in these all natural treatments.

LEARNING OBJECTIVES:

- * Learn about the scientific explanation for how and why PRF may be extended from 2-3 weeks to 4-6 months
- * Explore the use of extended-PRF membranes as a substitute for collagen membranes
- * Learn about the use of PRF in facial esthetics



Occlusion and Bone: A Game of Truth and Consequences (619)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 2:30 PM PDT

Sangiv I. Patel, DDS, RDH, AFAAID
The Smile Gallery
Melbourne, Florida, United States

Disclosure(s): No financial relationships to disclose

The relationship between occlusion and

bone is at the core of implant integration and generating functional longevity. Engineering resiliency requires comprehension and application of biomechanics, materials mechanics, and integration of appropriate technology that can generate equilibrium within the stomatognathic system through time and motion. This presentation discusses the impact of occlusion on and in bone as well as guides the clinical implantologist in understanding each individual patient's physiological tolerances and then delivering custom engineered controlled treatments.

LEARNING OBJECTIVES:

- * Understand the dynamics of bone and occlusion to evaluate the impact of occlusion on and in bone
- * Learn to evaluate biometric technology and relate data with clinical patients
- * Explore how to leverage learned dynamics in various clinical applications to improve outcomes





Program information as of September 19, 2023



A Closer Look at Lasers: A Non-surgical Adjunct Treatment of Periodontal Disease (620)

FRIDAY, NOVEMBER 3, 2023
2:30 PM – 3:30 PM PDT

Juliana A. Barros, DDS, MS
Houston, Texas, United States

Disclosure(s): No financial relationships to disclose

This course will demonstrate the use of different lasers as an adjunct tool to non-surgical periodontal treatment. Two different treatment modalities using high-intensity and low-intensity lasers will be presented. Laser-Assisted Nonsurgical Periodontal Therapy utilizes high-intensity lasers. The heat from high-intensity lasers can deactivate nonsporulating bacteria, leading to decontamination, reducing local inflammation, and stimulating healing. In contrast, specific wavelengths from a low-level laser in combination

with a photosensitizer can also reduce bacteria levels and improve inflammation and healing.

This lecture will give participants an evidence-based overview of these novel adjunctive treatments that can be introduced to improve non-surgical periodontal treatment outcomes.

LEARNING OBJECTIVES:

- * Learn about the use of lasers in non-surgical periodontal treatment
- * Learn to recognize the advantages of using a high-intensity laser as an adjunct tool in periodontal therapy
- * Explore the use of antimicrobial photodynamic therapy in non-surgical periodontal treatment



Unlocking the Secrets of Biomechanics in Implant Dentistry: Exploring Three Prosthetic Shapes for Optimal Implant Success (621)

FRIDAY, NOVEMBER 3, 2023
4:30 PM – 5:30 PM PDT

Robert J. Stanley, II, DDS, MS, PhD, FAAID, DABOI/ID, Adjunct Professor Cary, North Carolina, United States

Disclosure(s): No financial relationships to disclose

“Unlocking the Secrets of Biomechanics in Implant Dentistry: Exploring Three Prosthetic Shapes for Optimal Implant Success” is an informative presentation that will explore the advanced topic of biomechanics and its application to implant dentistry. We will discuss how three different prosthetic shapes can be used to achieve optimal success



Trends in Transformation

MAIN STAGE (continued)

Program information as of September 19, 2023



with dental implants. Attendees will gain a deeper understanding of biomechanical principles, as well as which shape provides better outcomes for each different type of dental implant solution. By attending this presentation, you will learn strategies on how to improve your overall implant success rate while providing excellent quality care for your patients.

LEARNING OBJECTIVES:

- * Understand the principles of biomechanics and how it affects dental implant success.

- * Have an in-depth knowledge of three prosthetic shapes that can be used for optimal implant outcomes, depending on the type of procedure.
- * Explore strategies to improve overall implant success rates while providing excellent quality care for patients.



Using Lasers to Treat Implant Problems (622)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 9:00 AM PDT

Laura D. Braswell, DDS
Atlanta, Georgia, United States

Disclosure(s): No financial relationships to disclose

Patients are never happy to learn that they have a problem with an implant! This course will examine the etiologies and pathophysiologies of “ailing” implants. Informed consent is critical when dealing



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Trends in Transformation

MAIN STAGE (continued)

Program information as of September 19, 2023

with realistic expectations for both the patient and practitioner.

LEARNING OBJECTIVES:

- * Learn to recognize different implant problems and their etiology
- * Explore different treatment modalities, including the use of lasers
- * Understand the importance for communication of realistic goals in implant rescue



Ceramic Implants: Clinical Applications and Biological Behavior (623)

SATURDAY, NOVEMBER 4, 2023
9:00 AM – 10:00 AM PDT

Sammy Noubissi, DDS, MS
Silver Spring, Maryland, United States

Disclosure(s): No financial relationships to disclose

Metal alloy implants have been commercially available for more than five decades and have been proven to be reliable in the replacement of missing dentition. During the last decade and a half, there has been a steady rise in demand for highly aesthetic but also biological materials in dental implantology. As a result, load-bearing ceramics such as zirconia and its composites have been developed, improved and made commercially available. Furthermore, the demand for metal-free ceramic implants has been and continues to be primarily driven by patients. Recent trends show that more and more manufacturers are introducing or adding ceramic implants to the market and their portfolios. At the same time, clinicians are gradually introducing metal-free implants in their practices. This presentation will discuss the background, rationale for, and evolution of zirconia ceramic

implants. Their clinical applications and long-term mechanical and biological behavior under function in the oral environment will be illustrated with clinical cases performed and monitored over thirteen years.

LEARNING OBJECTIVES:

- * Understand the range of clinical applications for ceramic implants
- * Learn about case selection and planning for predictability and success
- * Explore the biological behavior of zirconia in the oral environment



Zygomatics, All on Four (624)

SATURDAY, NOVEMBER 4, 2023
10:00 AM – 11:00 AM PDT

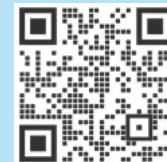
Uday N. Reebye, DMD, MD
Durham, North Carolina, United States

Disclosure(s): No relevant disclosure to display

This presentation will be based on the recent advances with full arch hybrid surgery from freehand to guided surgery and now haptic robotic surgery. The speaker will describe the use of robotics in the advancement to complex cases, including the placement of zygomatic fixtures.

LEARNING OBJECTIVES:

- * Understand treatment planning
- * Understand risks and benefits
- * Learn how to manage complications



SCAN FOR MORE INFORMATION



**PANEL COMPLICATIONS:
Zygomatic, Peri-implantitis,
Ceramic, All on Four (625)**

SATURDAY, NOVEMBER 4, 2023
11:00 AM – 12:00 PM PDT

Sammy Noubissi, DDS, MS
Silver Spring, Maryland, United States

*Disclosure(s): No financial
relationships to disclose*

Uday N. Reebye, DMD, MD
Durham, North Carolina, United States

*Disclosure(s): No relevant
disclosure to display*

Ceramic implants will be discussed under the framework of complications, namely implant loosening, structural failure, loss of osseointegration, and management of prosthetic challenges.

LEARNING OBJECTIVES:

- * Learn how to apply protocols to minimize implant failure
- * Explore when to choose ceramic versus titanium alloy implants
- * Learn to craft a treatment plan to avoid hard-to-solve restorative challenges



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INFORMATION







Trends in Transformation

STAGE LEFT

Concurrent to the Main Stage, these hour-long sessions take a deeper look at additional educational topics in a more intimate setting. It's a great way for you to learn more about the implant dentistry areas that are important to your practice.

TMD, Parafunction, & Dental Implants (403)

WEDNESDAY, NOVEMBER 1, 2023
4:00 PM – 5:00 PM PDT

Sangiv I. Patel, DDS, RDH, AFAAID
The Smile Gallery
Melbourne, Florida, United States

Disclosure(s): No relevant disclosure to display

The relationship between Temporomandibular Joint disorders (TMD), Parafunction, and Dental Implants is central to the patient's quality of life and maximizing functional longevity. Every dental implant treatment affects TMD and Parafunction. It is also a fact that dental implant therapy is affected by TMD and Parafunction at all stages of patient rehabilitation. Understanding TMD, parafunction, and how to manage each individual patient's tolerances allows the clinical implantologist to derive a proactive strategy to maximize positive results and mitigate risks of clinical failures while achieving patient expectations. This presentation will guide the clinical implantologist in understanding stages of TMD and the role parafunction. Participants will learn how to gauge each individual patient's physiological tolerances and then deliver custom engineered and controlled treatments so both clinician and patient expectations can be surpassed.

LEARNING OBJECTIVES:

- * Describe stages of Temporomandibular Joint disorders (TMD) and categorize Parafunction
- * Evaluate biometric technology and relate data with clinical patients
- * Learn how to leverage learned dynamics in various clinical applications to improve outcomes



Redox Biology, Oral Health, and the Host Response (404)

WEDNESDAY, NOVEMBER 1, 2023
5:00 PM – 6:00 PM PDT

Lee Ostler, DDS
Richland, Washington, United States

Disclosure(s): No financial relationships to disclose

The increased awareness of oral pathogens and their effect on periodontal host response and the extended effects of chronic oral infection on systemic health has been a turning point for both medicine and dentistry. Local and systemic inflammatory burden has become a focus for health professionals concerned about oral and general health.

A new focus on the basal states of cellular redox biology is merging with the long-standing focus of microbe-induced periodontal disease and is beginning to expand the view of what comprises the "host response." In addition to the classic view of the inflammatory response in the presence of bacteria, there is a newfound appreciation for the role of cellular redox status in fortifying a healthier response that is more stress-responsive to outside threats.

Managing, manipulating, and even "hacking" the cellular redox state expands the host side of the health equation with regard to the ability to manage the consequences of periodontal disease, periimplantitis, and the natural healing and recovery processes following surgery or medical/dental intervention. Understanding and improving basic cell functioning and signaling capabilities inside of and between cells is one of the new frontiers in healthcare today.

LEARNING OBJECTIVES:

- * Learn how cell biology regulates cytoprotection and improves healing potential
- * Understand local and systemic redox

health mechanisms and their role in improving host response

- * Understand the rules of cell biology that regulate cell defense processes related to health, health span, and antiaging



Where We Were, Where We Are, and Where We Are Going (405)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Edward R. Schlissel, DDS, MS
Atlanta, Georgia, United States

Disclosure(s): No relevant disclosure to display

Materials and techniques for titanium-based dental implants and the restorations they support have evolved substantially since their introduction in 1978. Reviewing the progress that has been made and the ways these changes were adopted will improve an understanding of the transformation. This presentation will review the current trends in implant dentistry in the context of past successes and failures and look ahead at ways to evaluate the benefits of future developments.

LEARNING OBJECTIVES:

- * Describe the surface treatments that may be applied to titanium dental implants and how they influence the process of osseointegration
- * List and compare two tooth-colored ceramic materials commonly used in current dental implant restorations
- * Explore changes in laboratory procedures that have evolved from manual techniques to CAD/CAM technology





The Free Gingival Grafting Socket Seal (406)

FRIDAY, NOVEMBER 3, 2023
9:00 AM – 10:00 AM PDT

Colin R. Diener, DMD, FAAID, DABOI/ID,
Adjunct Professor
NUVO Dental
St. Albert, Alberta, Canada

Disclosure(s): No financial relationships to disclose

With the immediate extraction and placement of anterior dental fixtures having now been validated for many years, there are still often many clinical scenarios that the average clinician will deem too unpredictable to consider this protocol, particularly in the high lip line patient with a thin tissue phenotype. While there are several well-established site preservation methods available, the speaker will present the methodology for the FGG socket seal technique, a simple yet invaluable protocol to gain

vascularized, attached vertical and horizontal keratinized gingival tissues while not just preserving, but also augmenting the existing bony alveolar housing! 3-dimensional imaging with clinical macro-photography will help validate this often overlooked important tool in the esthetic implant dentist's toolbox. A visual workflow of the microsuturing of the autogenous soft tissue will also be presented.

LEARNING OBJECTIVES:

- * Explore how to identify higher-risk implant cases in the esthetic zone
- * Learn to assess and plan for a harvest of autogenous palatal keratinized tissue
- * Learn how to develop and fixate the autogenous graft in the recipient site using microsuturing tool and techniques



CBCT and Sleep: How You Can Utilize Technology To Help Your Patients (407)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Erin E. Elliott, DDS
Post Falls, Idaho, United States

Disclosure(s): No financial relationships to disclose

Cone Beam Computed Tomography (CBCT) has ushered in a new era of 3D imaging for clinicians. We know it enables dentists to SEE more, but how does it empower them to DO more? And what does this actually look like in a dynamic dental practice like yours?

In this course, the presenter will share best practices on how to optimize CBCT for diagnostic and treatment planning of patients. After a discussion of common incidental findings and sleep apnea, general dentists and surgeons will leave the course with actionable takeaways



Trends in Transformation

STAGE LEFT (continued)

Program information as of September 19, 2023

for screening and treating Dental Sleep Medicine in their practice.

LEARNING OBJECTIVES:

- * Understand diagnostic capabilities of 3D imaging
- * Learn to identify common incidental findings
- * Explore CBCT's role in treating snoring and sleep apnea



Aqueous ozone as an office disinfectant (409)

FRIDAY, NOVEMBER 3, 2023
2:30 PM – 3:30 PM PDT

E Wayne Simmons, Jr., DMD, FAAID, DABO/ID
Fellow AAID, Diplomate ABOI, Fellow ACP, Fellow AO,
San Antonio, Texas, United States

Disclosure(s): No relevant disclosure to display

The course will provide an explanation of ,ozone, aqueous ozone, methods of making ozone. Relevance of , ozone, for disinfection , minimization of biofilms. How , ozone, reduces c ross contamination in the dental office and provides protection to patients, staff, vendors, all related family.

Current and future state of applications of ozone in oral / systemic disease and general health.

Description of the ozone molecular structure, its log-reduction capabilities as it pertains to biofilms and disease causing microbes in dentistry.

All data and statistical reports are from certified third party , well established and recognized, laboratories. I will discuss what ,ozone, is, where it is, when we find it naturally, how it is produced in nature, and how this technology produces it on demand , as required.

LEARNING OBJECTIVES:

- * More thoroughly understand and insure that their dental office, laboratory, sterilization room, restrooms, reception areas, hard surfaces, upholstery, staff, patients, and themselves are in a better disinfected environment. The presentation will address how to accomplish this and how to test for efficacy
- * To know about the efficacy of aqueous ozone (ozone produced from water, in water) made from a new technology. The attendee will learn the features and requirements around the use of ozone as a disinfectant. The attendee will learn about many collateral benefits from the use of ozone.
- * The attendee will learn that ozone is an all natural disinfectant, produced by earth's atmosphere and that it serves as the major protector of earth from solar radiation.



Airway Fires: Understanding the Danger (410)

FRIDAY, NOVEMBER 3, 2023
4:30 PM – 5:30 PM PDT

Laura D. Braswell, DDS
Atlanta, Georgia, United States

Disclosure(s): No financial relationships to disclose

Most implant-placement procedures and the restoration of teeth present potential fire risks. This course will describe the science of fires and how to prevent them. While the use of oxygen and lasers increase the risk, a fire can happen in your dental practice when you least expect it.

LEARNING OBJECTIVES:

- * Understand the science of fires and how it impacts the dental practice

- * Learn to identify fire risks and how to prevent them
- * Develop the skills necessary to deal with a fire emergency if one arises



Medication Related Osteonecrosis of the Jaw (MRONJ): Medication Effects on Bone Biology (411)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 9:00 AM PDT

Charles Shuler, DMD, PhD
Vancouver, British Columbia, Canada

Disclosure(s): No financial relationships to disclose

Osteonecrosis of the jaws was initially linked with the use of bisphosphonate medications. It has become clear that these osteonecrotic lesions of the jaw are associated with multiple anti-resorptive and anti-angiogenic medications. These drugs are used in the treatment of cancer and in the prevention of complications from osteoporosis. The osteonecrotic jaw lesions have defined stages based on the clinical presentation. The osteonecrotic lesions are a side effect of treatment with the medications. Surgical dental procedures performed on patients taking these medications can increase the risk. These osteonecrotic lesions occur only in craniofacial bones, and the etiology has started to become better understood. This presentation will review the anti-resorptive and anti-angiogenic medications that have been linked to osteonecrosis of the jaws and review the relative risks with each medication and the method by which the medication is administered. Observations of the cases, causes of the osteonecrosis, and approaches to prevent this side effect will be discussed.

LEARNING OBJECTIVES:

- * Recognize the clinical features of osteonecrosis of the jaws (ONJ)
- * Learn about the risk factors to the development of ONJ
- * Define the mechanism of action of anti-resorptive and anti-angiogenic medications linked to ONJ
- * Identify the link between microbial biofilms and ONJ
- * Learn appropriate clinical strategies to prevent ONJ



Advanced Surgical Techniques in the Maxillary Sinus Augmentation Procedures in Extreme Rehabilitation (412)

SATURDAY, NOVEMBER 4, 2023
9:00 AM – 10:00 AM PDT

Adriano Piattelli, DDS, MD
FRANCAVILLA AL MARE (CHIETI), Italy

Disclosure information not submitted.

Luca Comuzzi, DDS, DMSc
San Vendemiano, Veneto, Italy

Disclosure information not submitted.

Nowadays, techniques for implant placement in the maxillary sinus area are well-documented and have excellent clinical success. The minimum limit of bone height capable of stabilizing an implant in this region seems to be around 4mm; heights below this value need delayed positioning of implants by proceeding first with surgery to lift the floor and the maxillary sinus and then with insertion of the implants 6-9 months later.

Through new implant macro morphologies and this new method it is possible to stabilize the implant up to bone heights close to 1 mm, giving a series of advantages which result in reducing the total time for finalizing the case, combining three necessary surgeries into one (sinus lift, implant insertion, healing screw connection) to complete the case, consequently reducing the resulting therapeutic impact.

Implant morphology and prosthetic connection represent true key points of the success of the maxillary sinus lift procedure, with simultaneous stabilization of the implants in conditions of reduced bone height.

Furthermore, the apical shape of the implant often represents an impact on the sinus membrane. The thread pitch can increase bone contact, facilitating control of implant progression in low bone height, limiting peak stresses and exerting controlled lateral osteocondensation.

Through a conometric coupling procedure between the implant and the bone on which it is inserted, it is possible to stabilize it even in bone heights close to 1 mm, and through a conometric prosthetic connection it is possible to minimize marginal bone reabsorption in order to obtain successful results and reduce patient morbidity.

The conometric prosthetic connection is also able to obtain a better antibacterial seal compared to other connections to the full advantage of an absence of marginal bone loss. Navigated surgery also allows you to find and use the most suitable areas of bone for implant placement, and you can position implants of the most appropriate length and diameter in total safety. Surgery is much less invasive, the amount of anesthetic is reduced, and patient acceptance is excellent. Cases with alternative solutions to maxillary sinus lift will be treated with the aid of Advanced Navigated Surgery.

LEARNING OBJECTIVES:

- * Learn new strategies for obtaining primary stability even in very limited vertical height of bone
- * Learn how to decrease total time for rehabilitating a case in the maxillary sinus area with extreme resorption of the bone at the beginning
- * Discover how to treat more patients using new strategies

Immediate Loading for Full Arch Cases: Techniques, Do's, and Don'ts (413)

SATURDAY, NOVEMBER 4, 2023
10:00 AM – 10:45 AM PDT

Nakul Rathi, MS
Houston, Texas, United States

Disclosure(s): No relevant disclosure to display

Immediate loading has emerged as a game-changing approach, significantly reducing treatment time and enhancing patient satisfaction. However, the success of immediate loading relies heavily on implementing the right techniques while adhering to crucial do's and don'ts.

This course will explore the latest advancements, evidence-based techniques, and practical tips to excel in immediate loading for full arch cases. This presentation aims to empower clinicians with the knowledge and confidence to implement immediate loading successfully while ensuring optimal patient outcomes.

LEARNING OBJECTIVES:

- * Gain practical insights and strategies for patient selection criteria, diagnostic evaluation, occlusal considerations, and maintenance protocols specific to immediate loading in full arch cases
- * Understand the various Analog and Digital techniques involved in immediate loading for full arch implant cases
- * Learn about the complications of immediate loading and the steps to minimize them





Trends in Transformation

HANDS-ON WORKSHOPS

The AAID is known for offering practical participation courses that allow attendees to learn by doing. The 2023 Annual Conference is no exception. Space is limited. Separate registration is required.

Taking Out The Garbage: Removing Failed Abutments, Screws, and Implants (201)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
Bill Holden, DDS, FAAID, DABOI/ID
Edmonton, Alberta, Canada

Disclosure(s): No financial relationships to disclose

In the real world, dental implants and their associated parts sometimes require removal. This workshop will review the cascade of techniques to use when managing each of these situations. A hands-on component will follow to try some of the techniques shown. Bring your loupes!

LEARNING OBJECTIVES:

- * Apply techniques for managing the removal of implant abutments and fragments
- * Apply techniques for managing and removing sheared and stripped abutment and prosthetic screws
- * Apply techniques for the removal of dental implants safely and effectively



Digital Workflow - Single Implant (202)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
Nathan Doyel, DMD, FAAID, DABOI/ID
Sherwood, Oregon, United States

Disclosure(s): No financial relationships to disclose

Learn digital workflows that improve your prosthetic outcomes, reduce surgical time, improve patient experiences, and reduce surgical mishaps. Learn protocols to digitize your patients, digitally plan surgeries, prepare aids for surgery, perform guided surgery, and protocols to digitally design the final implant prosthetics.

LEARNING OBJECTIVES:

- * Determine how digital workflows can improve surgical and prosthetic outcomes
- * Evaluate which digital workflow best fits your surgical needs
- * Identify the five biggest mistakes made during the digital planning process and how to avoid them



Simplifying Full Arch Screw-retained Implant Rehabilitation With the Rapid Digital Conversion (203)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
Rami Salloum, DDS, FAAID, DABOI/ID
Bethlehem, Pennsylvania, United States

Disclosure(s): No financial relationships to disclose

Introduction: Tooth loss has significant effects on a patient's appearance, function, and overall health. Implant-supported prostheses have been shown to improve patient satisfaction and quality of life, and same-day delivery of these prostheses is extremely advantageous. However, conventional methods for implant-supported full-arch prostheses are time-consuming,

expensive, and error-prone. Extraoral scanning and Immetric 4D imaging have been proposed as alternatives, but the necessary equipment is uncommon. This course presents a new, streamlined technique for fabricating precise implant-supported full-arch prostheses on the day of surgery or when implants are ready to be restored.

OBJECTIVES:

By the end of this presentation, participants will:

- * Compare the benefits and indications of the novel digitally-based, verifiable, interdisciplinary protocol (R_D_C_M) with those of other conversion protocols for immediate full-arch implant reconstruction.
- * Understand the anterior scanning appliance (ASA), its clinical applications, how to fabricate it, and its benefits.
- * Learn how to gather all the necessary information for the lab to design, print, or mill a provisional prosthesis with or without metal sleeves.
- * Acquire skills in designing a prototype using Exocad design software.
- * Gain knowledge on printing, processing, verifying, staining, and delivering provisional prostheses and how to convert them to the final restoration with the material of your choosing.
- * Learn the benefits of the R D C M protocol digital workflow compared to other workflows for both provisional and permanent prosthesis fabrication.
- * In addition to understanding the limitations and complications of the conversion denture protocol, it is important to comprehend the R D C M protocol.





Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023

LEARNING OBJECTIVES:

- * Compare the benefits and indications of the novel digitally-based, verifiable, interdisciplinary protocol (R_D_C_M) with those of other conversion protocols for immediate full-arch implant reconstruction
- * Understand the anterior scanning appliance (ASA), its clinical applications, how to fabricate it, and its benefits; and acquire skills in designing a prototype using Exocad design software
- * Learn how to gather all the necessary information for the lab to design, print, or mill a provisional prosthesis with or without metal sleeves
- * Gain knowledge on printing, processing, verifying, staining, and delivering provisional prostheses and how to convert them to the final restoration with the material of your choosing
- * Learn the benefits of the R D C M protocol digital workflow compared to other workflows for both provisional and permanent prosthesis fabrication



Guided Surgery, Photogrammetry, Grammetry, Any Other Workflow Solutions for All-on-X and FP1 Prosthetics (204)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
BJ Kowalski
Independence, Ohio, United States

Disclosure(s): No relevant disclosure to display

Isaac D. Tawil, DDS, MS
Brooklyn, New York, United States

Disclosure(s): No financial relationships to disclose

This lecture will take a deep dive in advanced planning, surgical treatment, record collection, and restorative workflows for FP1, FP2, and FP3 restorations using the most advanced available technology. Fully guided and partially guided digital workflows will be explained in depth, including a full exploration of techniques and processes that decrease treatment time while increasing predictability and the quality of patient care.

The session will review many topics including face-scanning and its integration into smile design, benchtop scanning, IOS full-arch scanning and record capture, options for surgical guides for All-on-X restorations, including metal guides, and the advantages of these technologies and techniques approach. Fully digital workflows harnessing Grammetry (combined IOS and scan body alternative to a the fully digital workflow) and photogrammetry are to be explained, step-by-step, including modern digital and analog record collection, case-design, coping free prosthetics, and in-office printing of prototypes and long-term temps.

In preparation for the immediate-restorative approach, a protocol utilizing a metal bone reduction and osteotomy guide will be suggested as a “best of both worlds” solution to a customized, same-day solution with advanced preplanning and predictability.

With each discussed workflow, a detailed description of the armamentarium and methods for success with each procedure will be shared with participants in detail, providing valuable takeaways participants can use in their next full arch patient procedure.

LEARNING OBJECTIVES:

- * Understand the advantages and disadvantages of digital and full guided workflows for all-on-x restorations including the surgical methods, record collection, and restorative nuances within each technique that can increase efficiencies and quality of care

- * Learn how to use available technology to increase speed of treatment with office fabrication of immediate load prosthetics and appreciate the records required for creating a restoratively driven workflow
- * Understand the complications that arise from poor treatment planning and discover the advantages and new tools utilizing CBCT visual-based approach to surgery
- * Learn the advantages and disadvantages of guided versus non-guided surgery pertaining to full-arch implant restorations and comprehend the work flow for full arch restoratively driven guided approach
- * Learn about developing “Biological Osteomies” utilizing advanced anatomic scalping approach and how to predictably guide the future bone formation around implants



Full Arch Digital Workflow (205)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
Adam M. Hogan, DDS, DABOI/ID
The Atlantic Implant Institute & Full Implant Choice
Virginia Beach, Virginia, United States

Disclosure(s): No relevant disclosure to display

Doctors will experience first-hand how to implement full arch procedures and digital technology into their practice. The techniques covered throughout the lecture include, but are not limited to, patient consultations, treatment planning, case selection criteria, 3D imaging interpretation, guided surgical protocols, surgical tips, prosthetic treatment, implant placement, and full arch conversion protocols.



LEARNING OBJECTIVES:

- * Discover complete digital workflow principles in full arch, utilizing tools such as photogrammetry, intra-oral scanning, and 3D printing
- * Understand the scientific rationale and justification for the full-arch procedure
- * Learn case selection, radiographic interpretation, case presentation, digital photography, and digital treatment planning



Flap Advancement Manipulation Techniques for Bone Augmentation in the Mandible (206)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Larissa Steigmann, DMD, MS
Boston, Massachusetts, United States

Disclosure(s): No financial relationships to disclose

Soft tissue manipulation has a great priority in dental rehabilitation surgery. Successful membrane coverage is determined by tension-free flap closure and is significant for desirable clinical outcomes. Hence, proper tension release on the overlying flap to achieve passive tension flap closure remains the most important factor for achieving predictable bone augmentation outcomes. Flap openings have been associated with postsurgical complications including infections and graft failure. Therefore, gaining flap flexibility for the coverage of small to high volume augmentation is an important component for predictable outcomes. There is a need of adjustment in soft tissue management to the specific anatomy and phenotype of each patient. The posterior mandible has several anatomical aspects that need to be diagnosed and assessed accordingly. Furthermore, the focus will be on basic principles of flap design and soft tissue manipulation as we have noticed most challenges with thin phenotype patients.

LEARNING OBJECTIVES:

- * Understand the importance of maintaining blood supply to increase healing potential
- * Understand the potential of using the periosteum as physical anchorage and membrane properties to benefit the outcomes of guided bone augmentation
- * Acquire a technical understanding of how to advance flaps for horizontal and vertical bone augmentation



3D Printing in Everyday Implant Practice: Innovations, Applications, and Best Practices (207)

WEDNESDAY, NOVEMBER 1, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Nakul Rath, MS





Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023



Houston, Texas, United States

Disclosure(s): No relevant disclosure to display

Explore the transformative potential of 3D printing in dental implant practice. This course covers the fundamentals of 3D printing technology, its practical applications, and best practices. Participants will learn about digital imaging, surgical guide fabrication, custom prosthetics, and in-house lab integration. Participants will have the opportunity to engage in hands-on workshop, where they will learn to navigate 3D printing software, optimize designs, and operate 3D printers. By the end of this course, participants will be able to incorporate 3D printing for Single Implant cases as well as for Full Arch Treatments in their practice.

LEARNING OBJECTIVES:

- * Understand the fundamentals of 3D printing technology in the context of dental implant practice, including its advantages, limitations, and potential applications
- * Gain practical knowledge and skills in utilizing 3D printing for pre-operative planning, surgical guide fabrication, and the creation of patient-specific prosthetics, such as abutments, crowns, and dentures
- * Explore effective strategies for integrating 3D printing into everyday dental implant practice, including in-house lab implementation, cost-effectiveness considerations, and quality control measures

Venipuncture for PRP, PRF, and IV Access (208)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Donald Provenzale, Jr., DDS, FAAID, DABOI/ID
Downers Grove, Illinois, United States

Disclosure(s): No financial relationships to disclose

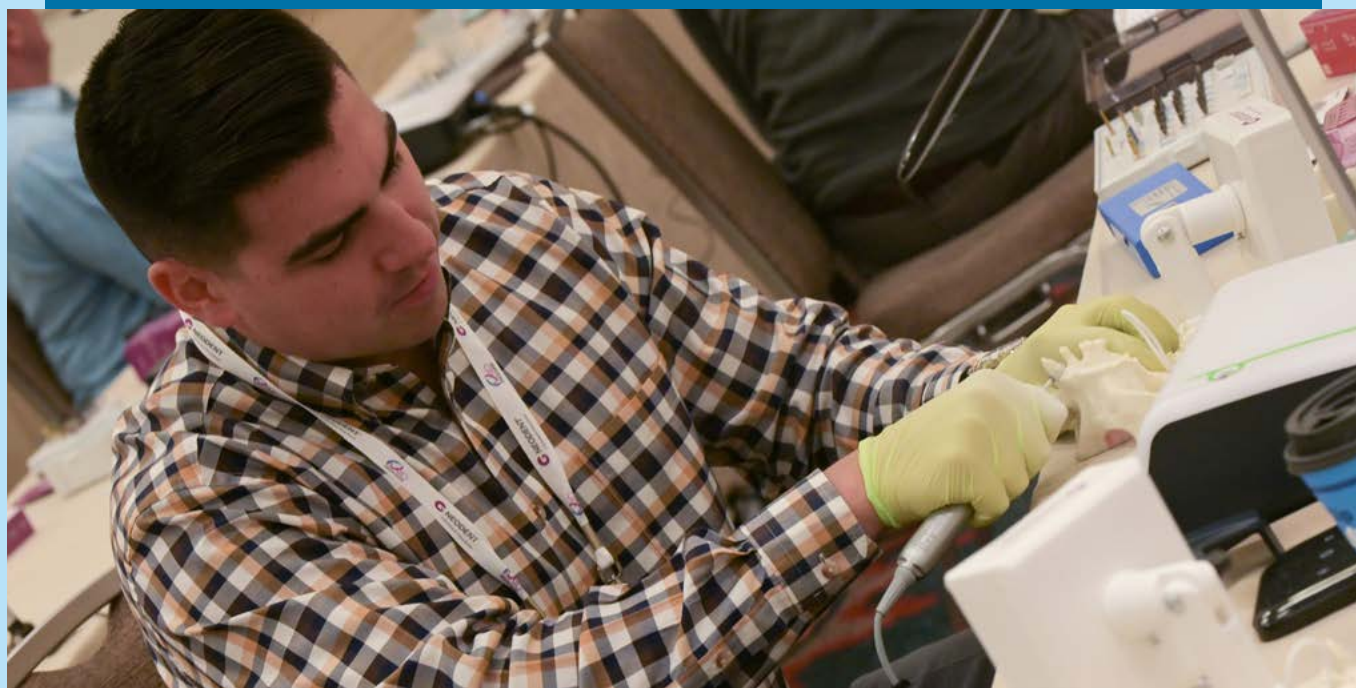
This workshop will be a hands-on session for gaining proper venous access for drawing blood.



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Program information as of September 19, 2023



LEARNING OBJECTIVES:

- * Become familiar with venous anatomy and venipuncture techniques
- * Gain confidence in drawing blood
- * Gain confidence in placement of IVs

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Diagnostic Records (209)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249



Clinical Photography: Guidelines for Clinical Imaging and Lab Communication (210)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Lokesh C. Rao, DDS, FAAID, DABOI/ID, Adjunct Professor
Yonkers, New York, United States

Disclosure(s): No financial relationships to disclose

The overall purpose of the lecture is to illustrate the ease of increasing the quality of the clinical photographs needed in clinical presentations. The presentation is designed to provide general knowledge about macro/clinical photography concepts for the purposes of case acceptance/presentations, communication, marketing, and legal documentation. Photography has become a key element in the digital workflow paradigm. Auditors will be able to distinguish composition and lighting quality

to achieve optimal contrast and sharpness while using any camera, particularly DSLR/mirrorless cameras. Correct patient positioning will enable the clinician to better visualize and photograph the area of interest. We will examine a timeline to show how every clinician can improve their photography skills almost instantly.

LEARNING OBJECTIVES:

- * Explore various camera options and the armamentarium needed to produce high-quality intraoral/extraoral photography
- * Learn how to improve the quality of photography for marketing and case documentation needs, including the settings to adjust on the body, lens, and flash
- * Enhance laboratory communication/prescription components for smoother results



Digitally Guided Occlusion: Generating Implant Longevity (211)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Sangiv I. Patel, DDS, RDH, AFAAID
The Smile Gallery
Melbourne, Florida, United States

Disclosure information not submitted.

Generating longevity beyond implant integration requires comprehension and application of occlusion and dynamics that generate equilibrium within the stomatognathic system through time and motion. Developing a methodical approach to gain resilient results is based on the premise of understanding each individual patient's physiological tolerances and then delivering custom engineered, controlled treatments. This workshop will guide the clinical implantologist through the maze of occlusal pathology, diagnosis, associated technologies, materials, and mechanics to achieve the goal of predictable success. Learn how to elevate your care from "Implant Protected Occlusion" to "Implant Integrated Occlusion."

LEARNING OBJECTIVES:

- * Understand "Implant Integrated Occlusion"
- * Learn to record and analyze biometric digital occlusion and related data with clinical patients
- * Understand how to leverage learned dynamics in various clinical applications to improve outcomes



Surgical Asepsis: Improving Implant Success (212)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Walter C. Chitwood, Jr., DDS, FAAID, DABOI/ID, Adjunct Professor
Murfreesboro, Tennessee, United States

Disclosure(s): No financial relationships to disclose

Aseptic and operating room sterility is one of the foundational principles for successful implant and regenerative surgery. This course begins with an historical overview of asepsis and early

infection control. The course continues with discussion of important terms that are commonly used when discussing asepsis, sterilization, and infection control. Proper techniques for sterilizing instruments and surfaces will be taught. Surgical arena and staff preparation will be demonstrated. Maintenance of an efficient chain of sterility will be emphasized. A hands-on segment will allow participants to experience the implementation of a correct aseptic technique. Finally, a summary checklist that dental personnel may find useful will be presented.

LEARNING OBJECTIVES:

- * Become familiar with the definition of sepsis and define important terms in infection control
- * Understand the various modes of transmission of infection and describe the definitions of asepsis and aseptic technique
- * Describe the chain of infection and the benefits of aseptic technique
- * Demonstrate disinfecting and sterilization techniques for instruments, devices, and surgical areas and perform proper surgical arena etiquette
- * Demonstrate correct preparation of staff including pre-scrub procedures, correct aseptic handwashing techniques, and proper gown and gloving techniques



Block Graft Techniques Workshop (213)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

David Resnick, DDS, FAAID, DABOI/ID
Ada, Minnesota, United States

Disclosure information not submitted.

Focusing on techniques that minimize complications, participants will learn when to use bone blocks, what works and does not work, where bone blocks are useful, and why. Participants will perform block grafting exercises and gain experience placing bone block from initial incision to closure. This is a hands-on workshop highlighting the use of bone blocks in grafting atrophic ridges prior to implant placement. Participants will be exposed to a diagnostic algorithm used to determine the indications for bone block grafting and the various flap

designs used for successful placement. Flap designs and flap release techniques that allow "tension-free" closure will be taught, including tunnel techniques. The use and indications for membranes and biologic materials to aid in osseous grafting will be an integral part of this workshop. Tips and techniques for the management of complications will be discussed in detail. Participants familiar with bone block grafting will improve their knowledge and skills to achieve zero complications. Participants new to bone block grafting will take home the knowledge and skills necessary to implement bone block grafting procedures into their implant practices with confidence.

LEARNING OBJECTIVES:

- * Learn the indications for the use of bone block grafting procedures
- * Understand the technique for successful bone block placement
- * Identify the risks associated with bone block placement and how to manage complications



Facial Aesthetics With PRF (214)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Keith Long, DDS
The 12 Disciples - ADII PR MAXI Course
Lakeport, California, United States

Disclosure(s): No financial relationships to disclose

Andy Burton, DMD, FAAID, DABOI/ID, Adjunct Professor
The 12 Disciples - ADII PR MAXI Course
Hood River, Oregon, United States

Disclosure(s): No financial relationships to disclose

The latest updates and advancements in PRF and Facial Aesthetics will be reviewed with special guest Dr. Richard Miron. Participants will be presented with a complete review of current PRF protocols for facial esthetics in dentistry. Phlebotomy will be reviewed as will spin protocols for achieving the most advanced all-natural aesthetic results. The use of lasers as adjuncts to facial aesthetics will be covered, and there will be a demonstration of the complete BIOCARE protocol developed by CARE Esthetics.



Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023

LEARNING OBJECTIVES:

- * Understand current science around PRF, its uses, and protocols for facial esthetics
- * Understand best practices for phlebotomy and gain exposure to alternative sites for the blood draw
- * Understand real expectations of treatments with PRF for facial esthetics through detailed case reviews
- * Understand the benefits and risks of using ER/YAG/NdYAG lasers as adjuncts to PRF with regard to facial esthetics
- * Learn about the BIOCARE protocol



Dental Sedation Airway Management (215)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Randy Pigg, Adjunct Professor
Salida, Colorado, United States

Disclosure(s): No relevant disclosure to display

This presentation will provide an overview of commonly used airway adjuncts in the management of an airway in a sedated patient. To help participants orient themselves to basic airway assessment techniques, a demonstration of a wide range of airway management techniques and devices on simulator will be presented. The goal of the course is to demystify managing an airway.

LEARNING OBJECTIVES:

- * Identify airway adjuncts frequently used to manage an airway
- * Demonstrate proper use of airway devices in managing an airway
- * Explore measures to prevent the need for managing an airway in procedural sedation cases



Contemporary Zygomatic Implant Therapy (216)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Michael A. Pikos, DDS, FAAID, DABOI/ID
Pikos Institute
Trinity, Florida, United States

Disclosure(s): No financial relationships to disclose

This hands-on model, surgery-based course will cover the use of zygomatic implants for treatment of the severely atrophic maxilla. A prophylactic, evidence-based surgical protocol for zygomatic implant placement will be presented and will include single zygomatic use, hybrid zygoma, and quad zygoma case types. After completing this hands-on course, attendees will understand the foundational principles of Zygomatic Implant Therapy, understand pertinent anatomy and prosthetically driven zygomatic implant surgical protocol for the atrophic maxilla, and understand the step-by-step workflow for both brain guided and digitally guided surgical placement of zygomatic implants.

LEARNING OBJECTIVES:

- * Understand the foundational principles of Zygomatic Implant Therapy
- * Understand pertinent anatomy and prosthetically driven zygomatic implant surgical protocol for the atrophic maxilla
- * Understand the step-by-step workflow for both brain guided and digitally guided surgical placement of zygomatic implants



Management of Malpositioned Implants: A Hands-on Workshop (217)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Scott D. Ganz, DMD
Fort Lee, New Jersey, United States

Disclosure(s): No financial relationships to disclose

Dental implant complications can result for a variety of reasons, compromising treatment outcomes, aesthetics, and function. Implants placed at unfavorable angles present obstacles where the only solution is explantation. Malpositioned implants present a particularly difficult challenge for the restorative/surgical clinician as well as the patient, who may have to undergo several procedures to correct the initial surgical intervention. The purpose of this hands-on workshop is to educate clinicians on the use of advanced software applications for the diagnosis, treatment planning, and fabrication of surgical guides to manage malpositioned implants.

LEARNING OBJECTIVES:

- * Learn about the importance of CBCT 3-D imaging, proper diagnosis, and treatment planning concepts
- * Learn how to evaluate and manage malpositioned implants and to utilize software to plan for successful revisions
- * Review the use of 3D printing for the fabrication of advanced surgical guides



SCAN FOR MORE INFORMATION



Facial Scanning Technology for Precise Solutions in 2023 and Beyond (218)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

John Brokloff, DDS, Adjunct Professor
Brecksville, Ohio, United States

Disclosure(s): No financial relationships to disclose

Facial Scanning technology is rapidly becoming the standard of care for BEST PRACTICE esthetic dental implant prosthesis fabrication. Face scan technology can and should be used as a tool to preoperatively plan restorative cases and communicate with dental labs for midline position, incisor edge position, tooth size and quantity, occlusal plane, and bite articulation relationships. Case presentations with examples will be shown with critical evaluation and information on how facial scanning

technology can be the solution for implant practices in 2023 and beyond.

LEARNING OBJECTIVES:

- * Learn about basic scanning pathways.
- * Learn the computer requirements for scanning
- * Compare 2D pictures to 3D scanning



Digital Planning and Guided Surgery for Full-arch Rehabilitations (219)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Dominique Rousson, DDS, DMD,
FAAID, DABOI/ID
West Newton, Massachusetts, United States

Disclosure(s): No financial relationships to disclose

Ignacio Pedrinaci

Disclosure information not submitted.

This workshop will focus on how to carry out a digital planning for full arch rehabilitation cases - from diagnoses to guided execution and rehabilitation of the case.

Clinical cases that have been treated following this workflow will be presented to guide the participants step-by-step along the digital process. Hands-on on Implant Planning software where participants will learn how to use the software for planning and surgical guide design of a real case will be followed with a resin jaw model where the surgery will be carried out.

LEARNING OBJECTIVES:

- * Segmentation of Dicom
- * Superimposition of STL's
- * Implant positioning
- * Surgical guide design





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Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023



Surgical Techniques Including Suturing (220)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Stuart Orton-Jones, BDS
Harpole-Northampton, England,
United Kingdom

Disclosure(s): No financial relationships to disclose

The basic principles of work simplification will be presented followed by the various ways of handling surgical instruments to maximize the effectiveness of their use. Alternative grips and the detailed use of needle holders, tissue pickups, and suture scissors will be demonstrated. The appropriate suture needles and suture materials to be used in different situations will be discussed. The need for tension-free suturing with tight knots will be emphasized, as well as ways to relieve flaps to allow tension free closure. Many different type of suture techniques will be practiced, from simple interrupted sutures

and mattress sutures to more complicated sutures such as locking continuous sutures and sling sutures. When to use each suture will be explained

LEARNING OBJECTIVES:

- * Learn the basic principles of work simplification
- * Learn about the need for tension-free suturing with tight knots as well as ways to relieve flaps to allow tension-free closure
- * Learn the appropriate suture needles and suture materials to be used in different situations
- * Explore how to use different instrument grips and when to use which grip and how to tie tight effective knots left- and right-handed
- * Learn how to make incisions, which type of needles and suture material to use, and how to present sutures ready to be cut by an assistant



Keys to Success Through Lab Communication and Data (221)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Daniel Marrano, CDT, TE, FICOI
Douglassville, Pennsylvania, USA

Disclosure(s): No financial relationships to disclose

During this session, analog and digital implant workflows will be reviewed. Same-day surgical conversion process and protocol will be discussed, as well as how to use digital tools for success. We will compare the differences between printing and milling and how to utilize them to their maximum capabilities. Hands-on portion to include printing and processing of implant bridges.



Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023

LEARNING OBJECTIVES:

- * Learn to communicate essential data and information to your lab to aid in successful and improved implant restorations
- * Understand differences between analog and digital workflows, milling and printing processes, and how these affect your final product
- * Discover how to apply 3D printing procedures and how to process printed restorations

- * Learn what questions to ask along their practice ownership journey and what impact their answers and the decisions they influence will have
- * Learn how to identify, set, and track Key Performance Indicators and come away with ideas for execution strategies



Financial Planning and Preparing for Practice Sale (222)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249
Jason Householder
Charlotte, North Carolina, United States

Disclosure(s): No financial relationships to disclose

Financial planning is probably one of the most important things that you can do as a practice owner but also one of the most overwhelming. It's easy to hire somebody to do it and be "hands off", but how do you know they're making the best decisions for you? How can you judge if they're the right fit for your business if you don't fully understand the processes that you trust them to manage?

Join this session and discuss the in's and out's of financial planning and preparing for practice sale. From demystifying credit and the credit process to setting goals for your practice, this session will help you to understand what to expect along any stage of your practice ownership journey.

LEARNING OBJECTIVES:

- * More fully understand the transition into practice ownership and/or practice expansion and what it entails from a financing perspective

Occlusal Equilibration Workshop - Why, When, and How (223)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249
Todd Davis, DDS
Atlanta, Georgia, United States

Disclosure(s): No financial relationships to disclose

This workshop provides hands-on exercises to help participants learn the principles and skills involved with occlusal equilibration. Participants will feel more confident in being able to help those patients who need occlusal therapy.

LEARNING OBJECTIVES:

- * Learn the reasons why and when occlusal equilibration is needed .
- * Learn the principles and skills involved with occlusal equilibration
- * Gain confidence in being able to help patients who need occlusal therapy



SCAN FOR MORE INFORMATION

Student / Resident Program - Basic Occlusal Adjusting (228)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 5:00 PM PDT

Course Fee: \$249
Stuart Orton-Jones, BDS
Harpole-Northampton, England, United Kingdom

Disclosure information not submitted.

This lecture will cover a detailed practical hands on exercise on Occlusal Adjusting.

LEARNING OBJECTIVES:

- * The Use of Study Models in the Evaluation of Patient's Occlusions
- * The Items required for Occlusal Adjusting Study Models and adjusting Patient's Occlusions
- * How to use each of the Items required
- * An in depth practical evaluation Each Stage of an Occlusal Adjustment
- * The Occlusal Adjustment of Two Sets of Study Models



Cone Morse Connections, Bionometric Prosthetic Concept, and Dynamic Navigation: New Strategies From Partial to Full Edentulous Cases (224)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249
Adriano Piattelli, DDS, MD
FRANCAVILLA AL MARE (CHIETI), Italy

Disclosure information not submitted.

Luca Comuzzi, DDS, DMSc
San Vendemiano, Veneto, Italy

Disclosure information not submitted.

Implant cone-morse connection guarantees aspects such as zero



bone loss, micro-movement reduction, zero bacterial leakage, and zero inflammation. Aspects like subcrestal placement, biological width, interimplant distances, vestibular thickness of the bone, periimplantitis prevention, and mechanical stability will be discussed extensively from a clinical point of view. Through these concepts associated with prosthetic conometry, or so-called Biconometry, it is possible to enhance these biological aspects with also prosthetic advantages: absence of screw holes, absence of cement, facilitated removal, aesthetics, facilitated oral hygiene, simplicity of execution, and facilitated reintervention. These aspects are discussed also with the use of Dynamic Navigation, which allows for great precision in the planned implant positioning and free execution from surgical templates, navigated by the computer. Partial and fully edentulous

cases will be discussed with Biconometry and Navigation, along with some news on implant macromorphology that allows stabilization of the fixtures in extreme bone conditions.

LEARNING OBJECTIVES:

- * Learn the advantages offered by the use of Cone Morse Implant-Abutment Connections of the Biconometric Concept and of Dynamic Navigation
- * Learn how to apply new strategies for having healthy tissues, mechanical stability of connection, and better esthetic results
- * Learn how to prevent periimplantitis and to perform simple and better-quality dentistry



Facial Aesthetics With PRF (225)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Keith Long, DDS
The 12 Disciples - ADII PR MAXI Course
Lakeport, California, United States

Disclosure(s): No financial relationships to disclose

Andy Burton, DMD, FAAID, DABOI/ID,
Adjunct Professor
The 12 Disciples - ADII PR MAXI Course
Hood River, Oregon, United States

Disclosure(s): No financial relationships to disclose

Richard J. Miron, DMD, MMSc, PhD
Palm Beach Gardens, Florida,
United States

Disclosure information not submitted.



Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023

The latest updates and advancements in PRF and Facial Aesthetics will be reviewed with special guest Dr. Richard Miron. Participants will be presented with a complete review of current PRF protocols for facial esthetics in dentistry. Phlebotomy will be reviewed as will spin protocols for achieving the most advanced all-natural aesthetic results. The use of lasers as adjuncts to facial aesthetics will be covered, and there will be a demonstration of PRF therapies.

LEARNING OBJECTIVES:

- * Understand current science around PRF, its uses, and protocols for facial esthetics
- * Understand best practices for phlebotomy and gain exposure to alternative sites for the blood draw
- * Understand real expectations of treatments with PRF for facial esthetics through detailed case reviews
- * Understand the benefits and risks of using ERYAG/NdYAG lasers as adjuncts to PRF with regard to facial esthetics



In-office 3D-Printed Splints and Appliances: Simple, Fast, and Accurate (226)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Jonathan Tsang, DMD, FAAID, DABOI/ID
Abbotsford, British Columbia, CAN

Disclosure(s): No financial relationships to disclose

This session is designed to equip you and your team with the knowledge and skills to leverage 3D printing technology in your practice, making the production of dental splints and appliances more efficient and precise.

We will kick off the workshop by reviewing various 3D printing technologies, discussing their

advantages and drawbacks. Using examples of commercially available printers, we'll help you understand the landscape of 3D printing options and guide you in choosing the technology that best suits your practice's needs.

Next, we'll delve into the world of splint design software. We'll cover a range of options, including both paid and free software, and discuss their features, usability, and the quality of the final products they can produce.

In addition to design software, we'll also discuss the role of slicer software in the 3D printing process. We'll explain how this software translates your 3D design into instructions for the 3D printer, and how to choose and use a slicer program effectively.

For the practical part of the workshop, we'll walk you through the process of designing a typical splint using free software. This hands-on demonstration will provide you with a clear, step-by-step guide to bringing your 3D designs to life. You will also have the opportunity to design, print, and post-process a splint yourself. You'll experience the entire process, from initial design to final product, and learn how to prepare your splint for delivery.

By the end of this workshop, you'll be well-equipped to introduce in-office 3D printing to your practice, streamlining the production of dental splints and appliances. Join us and step into the future of dental care!

LEARNING OBJECTIVES:

- * Describe the different 3d printing technologies and list examples of printers that use those technologies in dental offices.
- * Demonstrate the use of free design software to design a custom splint or nightguard for a patient.
- * Demonstrate the post processing required to bring an appliance from printer to delivery.



Dynamic vs. Static Navigation: Precision Is the Issue (227)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 5:30 PM PDT

Course Fee: \$249

Mohamad Wagdy Bissar, BChD, MSC, PhD, AFAAID, Adjunct Professor
Cairo, Al Qahirah, Egypt

Disclosure(s): No financial relationships to disclose

Restoration of missing teeth with dental implants has been widely recognized as one of the treatment options. Proper surgical diagnosis is essential to prevent any complications or injury to vital anatomic structures, to help in the prosthetic driven approach, and to formerly evaluate the available bone quality and quantity. The concept of "Dynamic Navigation" implantology was born after the use of "Static Navigation" or "Guided Implant Surgery", offering remarkable changes in the treatment plan and aiding clinicians in proper implant rehabilitation.

LEARNING OBJECTIVES:

- * Learn to describe the concept of Guided Surgery
- * Learn how to differentiate between Static and Dynamic Navigation
- * Learn to Identify criteria for each type of navigation



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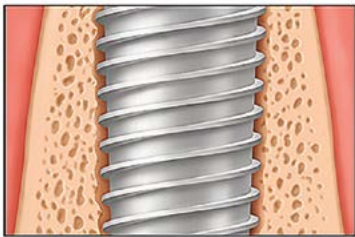
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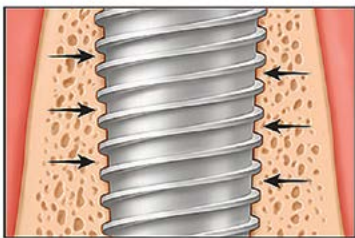
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Vitamin K-1 (phytonadione)	30 mcg	38%
Calcium (carbonate/hydroxyapatite/citrate)	1000 mg	100%
Magnesium (oxide/citrate)	200 mg	50%
Zinc (gluconate)	7.5 mg	50%
Manganese (sulfate)	750 mcg	38%
Copper (oxide)	400 mcg	20%
Potassium (gluconate)	50 mg	1%
Ipriflavone	30 mg	*
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Trends in Transformation

HANDS-ON WORKSHOPS (continued)

Program information as of September 19, 2023

Surgical Team Protocol: It Takes a Team (229)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

John C. Minichetti, DMD, FAAID, DABOI/ID
Englewood, New Jersey, United States

Disclosure(s): No financial relationships to disclose

Cara Minichetti, DDS

Disclosure information not submitted.

It takes a team to deliver successful health outcomes and positive experiences for patients. In this workshop, Dr. John C. Minichetti shares knowledge he has gained as the director of the Englewood Dental Implant Learning Center, director of the Englewood Hospital general practice residency, and teacher to thousands of dental students over a cumulative 50+ years. By the end of this workshop, the entire team will understand sterile techniques, surgical instrumentation, and how to make a positive impression on patients, execute medical consultations, financial agreements, and communicate with the dental laboratory. A hands-on experience will reinforce setup of an armamentarium for various surgical procedures, aseptic protocol and implant motor systems.

LEARNING OBJECTIVES:

- * Realize the staff's role in pre-operative management for implant surgery
- * Develop the knowledge and understanding of the staff's role during bone grafting and implant surgical procedures
- * Recognize the importance of the staff's role in post-operative follow-up management



Introduction to Minimal to Moderate Sedation: Principles and Care of the Patient (230)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Trevor R. Shew, DMD, AFAAID, FAAID, DABOI/ID
Vancouver, British Columbia, Canada

Disclosure(s): No relevant disclosure to display

Sedation is very beneficial in minimizing psychological and physiological stress while enhancing patient comfort, allowing the patient to tolerate unpleasant and long procedures. The different levels of sedation will be discussed so that the patient response can be understood. With a focus on IV moderate sedation, the speaker will discuss indications and goals of sedation and how it can enhance your practice. Patient selection for sedation in your practice with a focus on safety will also be discussed. Finally, the presentation will cover pre-operative and post-operative care of the patient and monitoring during procedural sedation.

LEARNING OBJECTIVES:

- * Describe the different levels of sedation
- * Learn how to identify patients that are good candidates for sedation in your practice
- * Understand patient monitoring during procedural sedation



SCAN FOR MORE INFORMATION

Immediate Implant Placement, Provisionalization & Ideal Esthetics: Biomechanical Cornerstones of Success (231)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Robert J. Stanley, II, DDS, MS, PhD, FAAID, DABOI/ID, Adjunct Professor
Cary, North Carolina, United States

Disclosure(s): No financial relationships to disclose

Bobbi Stanley, DDS, Adjunct Professor
Cary, North Carolina, United States

Disclosure(s): No relevant disclosure to display

Immediate implant placement in anterior site offers numerous advantages for practitioner success and patient comfort including reduced surgical time, superior tissue management and improved patient esthetics. Various challenges may exist for immediate placement in the esthetic zone, however implant design factors and novel restoration techniques have proven successful versus delayed protocols. This didactic and hands-on course will teach practitioners the essentials of immediate implant placement in the esthetic zone from a unique biomechanical perspective. Attendees will participate in a hands-on exercises designed to simulate anterior implant placement, sight preservation, and immediate temporization via lab-fabricated provisional. Leave this course ready to place and restore ideal esthetic implant solutions!

LEARNING OBJECTIVES:

- * Employ simple tools to achieve cosmetic and functionally successful dental implant placement via fully guided solutions and digital prosthetic planning protocols.
- * Master hard and soft tissue techniques for ideal esthetic outcomes
- * Understand guide classification, fabrication, design, and the challenges associated with freehand vs. guided surgical implant techniques.



- * Discover financial analysis and forecasting methods to help you better manage your practice's finances
- * Learn strategies to improve patient satisfaction and retention
- * Learn how to utilize digital tools to streamline practice and marketing management



Using Technology to Meet Today's Esthetic Demands (232)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Kristine Aadland, DMD
Vancouver, Washington, United States

Disclosure(s): No relevant disclosure to display

In a world of social media and constant “selfies”, the esthetic demand of our patients continues to rise. This course will present ways to meet these expectations using current dental technologies and how to implement them into everyday practice. To do this, participants will use digital scanning and 3D printing in this hands-on workshop. Be ready to learn a lot and have a little fun, too!

LEARNING OBJECTIVES:

- * Learn different technologies used in today's digital practice
- * Learn how 3D printing can help with communication for esthetic cases
- * Learn to maximize efficiency for your team and for your patient's schedule, creating a “wow” patient experience



Suturing: A Paradigm Shift (233)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Panos Afouxenides, DDS, MS, MSC
Dallas, Texas, United States

Disclosure(s): No financial relationships to disclose

This course aims to decode wound healing and the role of suturing to stabilize wounds. By translating microsurgical principles into daily macro-surgery practice, participants will learn how to control suture and flap tension while creating very stable knots.

LEARNING OBJECTIVES:

- * Understand what the most crucial factors are for primary wound healing
- * Learn how to select the most appropriate knots, materials, and instruments
- * Explore the use of microsurgical principles in surgeries to enhance outcomes
- * Understand how to avoid the most common pitfalls that lead to flap deficiencies



SCAN FOR MORE INFORMATION

Infection Control for Oral Healthcare Settings (234)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 12:00 PM PDT

Course Fee: \$249

Kelli Ngariki, MBA
Springfield, Oregon, United States

Disclosure(s): No relevant disclosure to display

Cindy Rogers, RDH
Scappoose, Oregon, United States

Disclosure(s): No financial relationships to disclose

This course reviews infection prevention for oral healthcare settings according to the most current CDC Guidelines for Infection Control in Dental Health Care Settings and OSHA Bloodborne Pathogens Standard. Scenarios will be discussed to assist dental professionals in identifying risks and applying standard precautions to break the infection cycle. Specific prevention controls to be discussed will include personal protective equipment, dental instrument cleaning and sterilization, dental unit waterline cleaning and testing, and developing and evaluating an effective infection control program.

LEARNING OBJECTIVES:

- * Explain the elements of the infection cycle and how healthcare workers can break the cycle with specific infection control measures
- * Identify specific types of personal protective equipment and when each should be used in the dental setting
- * Define the three categories of dental devices and how each should be cleaned and sterilized



Trends in Transformation

SPONSORED PROGRAMS

Program information as of September 19, 2023

Proper Use of Legal Entities for Lawsuit Protection and Tax Reduction: Sponsored Lunch (713)

WEDNESDAY, NOVEMBER 1, 2023
12:00 PM – 12:45 PM PDT



Sponsored By Legally Mine
Daniel McNeff
Orem, Utah, United States

Disclosure information not submitted.



Immediate Implants With Ceramics: How We Meet the Needs of Our Patients (501)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT



Sponsored By Swiss Dental Solutions
Course Fee: \$0
Ulrich Volz, DrMedDent
Kreuzlingen, Thurgau, Switzerland

Disclosure(s): No relevant disclosure to display

In this session, attendees will practice various techniques on unique bone density models. This will include drilling protocols for immediate implantation, surgical incisions, suturing, upper/lower arch surgical approaches, feeling about primary stability, the tissue-level position of the implant, and indication/choosing different forms of SDS implants.

Currently, zirconia implants are considered a reliable treatment

with a survival rate between 97% and 100% after two years, with equal to or greater than that reported for titanium implants. The success of zirconia implants is predictable and considers the high levels of esthetics and patients' expectations for natural-looking soft tissues around the implant. Clinical studies of zirconia implants suggest better clinical performance compared to titanium implants, with natural teeth accumulating less plaque and consequently not developing mucositis or periodontal disease.

With this, ceramic implants confirm their space as a treatment for edentulous areas since aging does not cause intolerance to peri-implant tissues. Also, there is a growing concern with metallic particles released by the biocorrosion of titanium implants.

LEARNING OBJECTIVES:

- * Understand what ceramic dental implants are and how they can grow your implant business
- * Evaluate bone preparation without compression, allowing stability for immediate implantation for any bone density or in any region
- * Associate osseointegration with a feasible surgical concept and bone augmentation strategies
- * Identify reasons for clinical failure with ceramic implants



SCAN FOR MORE INFORMATION

One Step Alveolar Ridge Preservation Without the Need for a Membrane & A Novel Way to Prevent Sinus Complications During Surgical Extractions Workshop (502)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 12:00 PM PDT



Sponsored By Impladent Ltd
Course Fee: \$0

Charles Schlesinger, DDS
Karl Koerner, DDS, MS
Bountiful, Utah, United States

Disclosure(s): No financial relationships to disclose

This course will demonstrate a series of simple, cost-effective and predictable and clinical uses for bone regeneration focused on one step alveolar ridge preservation using the OsteoGen® Bone Grafting Plugs without a membrane. Speakers will review surgical techniques for both everyday tooth extractions as well as advanced surgical procedures using OsteoGen® Plugs and Strips for ridge preservation, sinus lift as well as grafting around immediately-placed implants. Course will feature a hands-on demonstration using models focused on preventing sinus complications during extractions as well as strategies to address complications using the OsteoGen® Bone Grafting Plugs and Strips.

LEARNING OBJECTIVES:

- * Demonstrate simple, predictable and cost-effective socket grafting techniques without the use of a membrane using the OsteoGen® Bone Grafting Plugs
- * Review additional surgical applications



covering post-extraction grafting around immediate implant placement including filling interproximal and facial gaps after extraction using OsteoGen® Plugs and Strips

- * Learn novel techniques for successful sinus elevation and bone grafting for implant placement
- * Use hands-on models to learn extraction methods to prevent sinus perforations, including how to keep a root tip from entering the sinus as well as managing when a root tip can remain in the sinus.
- * Learn how to gauge the seriousness of sinus perforations and how to address complications using the Plugs and Strips
- * Cover post-extraction patient instructions (including compliance and medications)



Proper Use of Legal Entities for Lawsuit Protection and Tax Reduction (503)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 5:30 PM PDT



LEGALLY MINE

Sponsored By Legally Mine

Target Audience: Core Knowledge

Course Fee: \$0

Daniel McNeff
Orem, Utah, United States

Disclosure information not submitted.



Monetize Your Dental Practice with the Exclusive Renew Procedure: A Tested Path to \$2M+ of Revenue Growth (504)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 12:00 PM PDT



Sponsored By Renew Affiliate Program

Course Fee: \$0

Don Miloni, DDS
Centennial, Colorado, United States

Disclosure information not submitted.

William L. Balanoff, DDS, MS
Centennial, Colorado, United States

Disclosure(s): No relevant disclosure to display

Daniel Hinkle
Scottsdale, Arizona, United States

Disclosure(s): No relevant disclosure to display

Dentists are always on the lookout for ways to enhance their profits without compromising the quality of care they provide. The Renew Smile Procedure, with its scientifically backed and tested methodology, emerges as the answer. This innovative technique, designed for precise quantitative results, has been proven to drive revenue gains exceeding \$2 million. By embracing this exclusive approach, dental practitioners can tap into a lucrative and profitable avenue that sets their practices apart. As the first approach of its kind, this exclusive technique empowers dentists to harness the power of proven strategies while offering patients a remarkable dental experience.

WHO IS THIS MEETING FOR:

Dentists who own their own practice, and would like to do more single implants and full-arch cases. Dentists who offer dentures, and overdentures but find acquiring new patients difficult and getting them financed nearly impossible. Dentists with a Buxton score of 90+. To get your buxton score sent to you go to www.renewdentists.com

LEARNING OBJECTIVES:

- * Realize the efficiencies of Renew's sales and digital workflow processes
- * Develop the knowledge and understanding of the Renew Procedure
- * Learn what Buxton is and why it plays a leading role in the success of Renew
- * How you can participate in the Renew Affiliate program



SCAN FOR MORE INFORMATION



Trends in Transformation

DENTAL IMPLANT TEAM NETWORK

There's something for everyone at the AAID Annual Conference, including your Dental Implant Team. Take advantage of the AAID's Dental Implant Team program featuring personalized education for dental hygienists, assistants, administrators, and laboratory staff. This program provides you with the opportunity to learn and collaborate to build a stronger practice and work environment to optimize patient care.

GENERAL TEAM SESSIONS (THURSDAY)

Our Thursday general sessions for the Dental Team program will help build a stronger practice and work environment to optimize patient care.

PRESENTATIONS:

How to Win in a "DSO World" (101)

THURSDAY, NOVEMBER 2, 2023
8:00 AM – 9:00 AM PDT

Chuck F. Cohen
Pittston, Pennsylvania, United States

Disclosure(s): No financial relationships to disclose

Dental Service Organizations (DSOs) strike fear into the hearts of most independent dentists, who worry about competing in a world "dominated" by corporate dentistry. Scaring dentists is also good business for consultants and others who make their living on the edge of the dental market. Have no fear - independent dentists can, and will, win in this brave new world. In this talk, Benco Managing Director Charles Cohen will review Four Myths, Four Truths, and Four Strategies that every independent dentist can implement in their practice.

Learning Objectives:

- * Learn the Four Myths that every independent dentist can implement in their practice
- * Learn the Four Truths that every independent dentist can implement in their practice
- * Learn Four Strategies that every independent dentist can implement in their practice



Advancing Wellness Through Diagnostics: Salivary & More (102)

THURSDAY, NOVEMBER 2, 2023
9:00 AM – 10:00 AM PDT

Diane Larson, RDH
Elko, Minnesota, United States

Disclosure(s): No relevant disclosure to display

You can find references to surgeries as far back as 6500 BC. As healthcare providers and patients, we are enthusiastic about the advances made and expect the adaption of new technologies. In the pursuit to learn more, medical providers embraced clinical laboratory testing to achieve more. Clinical laboratories are partners providing valuable information to ensure the most favorable outcomes to patient care. Clinical labs have strict standards to obtain and maintain their accreditation. Clinical labs must validate their collection techniques and test assays to ensure the results produced are as accurate as possible. Salivary Diagnostics is a "Trend in Transformation" and can bring many answers to dental implant surgeries. There are risks with every surgery. A thorough risk assessment minimizes the risk. Objective Clinical Laboratory test results through oral rinse collection and minimal dried blood spot can help you "advance wellness."

LEARNING OBJECTIVES:

- * Learn about the history of clinical laboratory testing
- * Recognize the similarities of oral surgeries to medical surgeries
- * Describe specimen type selection

PLEASE NOTE: The Thursday/Friday all-day Team program is optional for Office Staff/Tech attendees. You must add each of these to your registration - the Thursday team general session is complimentary, and there is a \$150 fee to attend the Friday breakout tracks. On-site registration for the Team program will be processed on a first-come, first-served basis due to limited capacities. On Saturday, the hands-on workshops are available and geared toward Team members and additional fees will apply for registration.

- * Appreciate pre-implant placement lab tests and develop criteria to partner with a lab
- * Learn about the connection of periodontal pathogens to systemic health



The Psychology of Suicide (103)

THURSDAY, NOVEMBER 2, 2023
11:00 AM – 12:00 PM PDT

William McConochie, PhD
Eugene, Oregon, United States

Disclosure(s): No financial relationships to disclose

The speaker, an experienced clinical and industrial/organizational psychologist, will explain how a suicide-proneness questionnaire can be developed. Participants will learn about how many of 30 psychological traits, such as how many friends you have, are associated with suicide proneness. Participants will learn what persons can do in counseling to work on these traits. A Q&A will follow the discussion. The speaker has 52 years of private practice experience, so there is much to learn.



LEARNING OBJECTIVES:

- * Learn how questionnaires can be constructed to detect psychological traits or facets that are related to problems such as suicide-proneness
- * Learn which 20 facets are related to suicide-proneness and how to work on them with a counselor or on your own
- * Learn about traits that are related to violence and criminal behaviors in general, including fraud
- * Learn to use a simple six-step "secular prayer"



Five Voices of Leadership: Can You Hear Me Now? (104)

THURSDAY, NOVEMBER 2, 2023
1:30 PM – 2:30 PM PDT

Dana R. Watson
MT JULIET, Tennessee, United States

Disclosure(s): No financial relationships to disclose

Are you focused on relationships, values, and people? Or are you oriented more toward tradition, money, and resources? Do you know how others hear your voice? Either way, we all need to create healthy forms of communication, based on our leadership style.

Voices is the code for unlocking your capacity to have honest conversations and build deeper, more authentic relationships with your teams, families, and friends. In order to lead others effectively, we need a true understanding of ourselves, our natural tendencies, and patterns of behavior. In learning what your leadership voice sounds like to others, you will discover what it feels like to be on the other side of your personality, as well as how to hear and value others' voices. Once you understand your own leadership voice, you'll discover how best to communicate with each of the other voices, which will transform your communication at every level of relationship, both personal and professional.

All five leadership voices come with their own particular set of strengths, all have triggers that set us off, and all have areas for growth. Understanding the power in each of these is the key to taking your leadership to the next level and is the secret to increasing your ability to influence your team, family, and friends. Five Voices is a simple key that unlocks complicated relational dynamics and improves the health and alignment of all your relationships.

LEARNING OBJECTIVES:

- * Learn increased self-awareness and confidence as you harness your own leadership voice
- * Learn how to enhance communication, leading to better morale, a higher standard of culture, and profitability
- * Unlock your team's true potential and accelerate performance





Trends in Transformation

DENTAL IMPLANT TEAM NETWORK *(continued)*

Program information as of September 19, 2023

The Ultimate Social Media Success Formula (105)

THURSDAY, NOVEMBER 2, 2023
2:30 PM – 3:30 PM PDT

Nathalia Porras, MBA
Montreal, Quebec, Canada

Disclosure(s): No financial relationships to disclose

Learn how to build and grow a thriving dental practice by making use of Social Media - the right way! Do this without hiring an entire marketing team or marketing agency, be overwhelmed by available tech, or having to guess what works and what doesn't.

In this trailblazing course & workshop, the speaker will show step-by-step how to ultimately leverage the power of social media marketing on Instagram, Facebook, and TikTok. With the right tactics, know-how, and an actionable marketing plan, learn how to attract new patients, build a highly recognizable dental practice and a unique positioning that will make you stand out from the competition.

This unique theoretical and hands-on workshop covers all aspects of creating an overarching digital marketing strategy and finishes with a hands-on training, where you and your team will create video content (then and there!) guided by the speaker's creative guidelines.

The speaker will share content and marketing strategies that have helped her clients establish a strong market position. Based on research, best practices, and experience, she will not only present opportunities inherent in different social media platforms, paid campaigns, and organic social media, but she'll show you how to put these into action.

LEARNING OBJECTIVES:

- * Take control of your Social Media by having a cohesive marketing plan and roadmap
- * Explore how to leverage both organic and paid social media efforts to convert followers into new patients

- * Learn how to build your clinic's brand by defining your position in the market and clearly understanding your points of differentiation and how to build your online marketing roadmap for the next 6 months
- * Learn how to lower the barriers that new patients face in finding and learning about your practice and booking an appointment with you online
- * Learn a seamless video strategy so that you can create engaging video content efficiently (think reels and TikTok!)



COMMUNICATE LIKE DUCT TAPE: Gain Traction with Your Patients, Team, & Colleagues (106)

THURSDAY, NOVEMBER 2, 2023
4:30 PM – 5:30 PM PDT

Karen Cortell Reisman, MS
Dallas, Texas, United States

Disclosure(s): No financial relationships to disclose

Do you want to be more compelling in the way you communicate? In this humorous and content-filled program, you'll gain specific strategies to really get heard above the noise. (And there's lots of noise.) Your takeaway: get stickier (like duct tape)! Translation: communicate in a way that's even more memorable – in and out of your dental office.

LEARNING OBJECTIVES:

- * Learn to communicate with more finesse AND listener retention
- * Learn how to use strategic best communication practices to increase patient buy-in
- * Discover how to craft even better stories (using the speaker's step-by-step approach) that build rapport & trust



DENTAL IMPLANT TEAM NETWORK - ADMINISTRATION TRACK (FRIDAY)

Increase patient commitment and practice success.

PRESENTATIONS:

Know Your Numbers - Track the Data That Makes a Difference (138)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Debra L. Engelhardt-Nash
Huntersville, North Carolina, United States

Disclosure(s): No financial relationships to disclose

Technology creates an unprecedented velocity of data today. We live in an age where we are bombarded with terms such as KPI, EBITDA, and OKR. Yet data is meaningless unless it drives action. Discover how data and statistics can inspire and motivate your Team to radically improve their performance. Learn how to find hidden revenue, fill your schedule, increase treatment acceptance, and so much more. Align and focus your practice by engaging your team using the vital statistics of your practice. Discover what you REALLY need to know about your operations and learn how it can guide you and your Team to greater productivity and practice growth.

What Gets Measured, Gets Monitored.
What Gets Monitored, Gets Attention.
What Gets Attention, Gets Action.
What Gets Action, Gets Results.
And Results Get Rewarded.

LEARNING OBJECTIVES:

- * Understand what key performance indicators should be reviewed
- * Determine where to focus attention to improve and grow the practice
- * Learn how to gain a better view of the health of the practice



Hiring Do's and Don'ts (139)

FRIDAY, NOVEMBER 3, 2023
9:00 AM – 10:00 AM PDT

Shirley M. Kelly
Winston Salem, North Carolina,
United States

Disclosure(s): No financial relationships to disclose

Participants will review hiring techniques and processes, what is legal and illegal to ask candidates, how to construct job-related interview questions, and best practices for ideal candidate selection.

LEARNING OBJECTIVES:

- * Learn how to conduct interviews with confidence
- * Learn how to complete the hiring process without getting into costly legal issues
- * Understand how to properly select and hire the best candidates



Front Admin: You Can Effectively Lead, Strengthen, and Unite Your Team (140)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Denise Williams-Jones, RDA
Pasadena, California, United States

Disclosure(s): No financial relationships to disclose

Being a leader amongst leaders. What does it take to make this happen? Learn successful tips and strategies to use daily to encourage strong collaboration between the front and back offices. By learning to elevate effective communication skills, team building, and creating a team-centered culture through authenticity, participants will be better able to improve the daily environment in the office and forge real connections with the team and with patients.

LEARNING OBJECTIVES:

- * Learn how to unify fellow team members through proven techniques and skills
- * Discover how to foster an enhanced working environment within the dental office
- * Learn how to create a "Team-Centered" culture



Insurance Administration and Coding (141)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 2:30 PM PDT

James DiMarino, DMD
American Fork, Utah, United States

Disclosure(s): No financial relationships to disclose

Join Practice Booster's coding expert as he discusses the new and revised codes that will affect your practice, deep-dives into the most common mistakes that insurance coordinators make, and introduces you to codes that you may not be utilizing in your practice.

LEARNING OBJECTIVES:

- * Learn the recent updates to the code set that will most affect your practice
- * Explore common coding errors that cost you time and money
- * Learn how to increase your revenue by coding and documenting correctly



Promoting Emotional Intelligence, Coping Skills, Assertive Communication, and Team Building at the Office and Beyond (142)

FRIDAY, NOVEMBER 3, 2023
2:30 PM – 3:30 PM PDT

Roxanne R. Prilutsky, PhD
Burbank, California, United States

Disclosure(s): No financial relationships to disclose

We will begin by defining and setting a standard for emotional intelligence

using theoretical constructs and practical application. To follow, tools to build emotional self-regulation and mindfulness will be addressed as strategies to cope in a high-pressure environment, in quiet moments, and in-between. Self care techniques will be explored to build on strength and prevent burnout. The speaker will define assertiveness and, specifically, assertive communication, and will bring these concepts to life with examples. Finally, team building concepts and techniques will be examined from the perspective of the individual, coworkers, and the office's mission. An experiential team building exercise will be integrated into the course.

LEARNING OBJECTIVES:

- * Learn to distinguish between a "triggered" fight-flight-freeze state and a healthy, curious, higher-brain state
- * Learn to identify two effective coping skills to perform under pressure and promote self-care
- * Explore assertiveness as a balance between the needs of the "I" and the "we" in the office and beyond



Case Acceptance Mindset for the Dental Team (143)

FRIDAY, NOVEMBER 3, 2023
4:30 PM – 5:30 PM PDT

Penny Reed
Collierville, Tennessee, United States

Disclosure(s): No relevant disclosure to display

Your case acceptance success is closely tied to your practice culture. Discover how to shift your team's mindset and



Trends in Transformation

DENTAL IMPLANT TEAM NETWORK *(continued)*

Program information as of September 19, 2023

unlock the secrets of inspiring your patients to say "yes" to treatment. Every day, patients walk out the door with unscheduled treatments – like untapped gold mines. Thousands of advertising dollars, chair hours, and payroll dollars are invested to attract patients and evaluate them for treatment. But none of that matters if patients don't accept the proposed treatments. Case acceptance will make or break your profitability and your confidence level. Join this inspiring end educational session, where participants will learn to break through the barriers standing between their current case acceptance success and the next level.

LEARNING OBJECTIVES:

- * Discover top strategies and tools to improve case acceptance levels
- * Learn to identify the impact that culture has on your practice and how to shift practice culture
- * Learn how to utilize open-ended questions to discover what is most important to each individual patient and how to help them reach their goals



DENTAL ASSISTANT TRACK (FRIDAY)

Gain the latest knowledge in surgical and prosthetic techniques. Friday afternoon sessions will be joint with the Hygiene Track.

PRESENTATIONS:

Five Ways to C.R.U.S.H. Your Dental Assisting Career (153)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Kevin Henry, MS
Longmont, Colorado, United States

Disclosure(s): No financial relationships to disclose



As dental assistants, you shouldn't be just getting through the day. You should be enjoying your career. In this fun, fast-paced, interactive course, we will talk about five key points of the CRUSH acronym that will help you not only enjoy what you do more, but also see the fruits of a more fulfilling career. It's time that dental assistants learned once and for all the valuable role they play in the lives of their patients and the bottom line of the dental practice. Join us and re-ignite your passion for your career!

LEARNING OBJECTIVES:

- * Identify on-the-job challenges that could affect performance and happiness
- * Understand the steps that can be taken to minimize the effects of those challenges
- * Explore how to have a more productive and fulfilling career as a dental assistant



Day in the Life of an Oral Implantology Assistant (154)

FRIDAY, NOVEMBER 3, 2023
9:00 AM – 10:00 AM PDT CE

Felicia Johnson

Disclosure information not submitted.



Oral-Systemic Links: The Dental Professional's Role (155)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Karima Bapoo-Mohamed, MBA, DH, RDH
Edmonton, Alberta, Canada

Disclosure(s): No financial relationships to disclose

As oral health care providers, dental assistants play an integral role in helping create awareness of diseases and promoting optimal health outcomes for all patients. The oral cavity, with its complex interrelationships of microbes

as well as the many distinct microbial habitats within it, has the power to spread the contagion to distant systems in the body and cause numerous diseases. The shared trait between oral diseases and systemic conditions is that they usually take a long time to develop before becoming clinically significant. Early intervention, such as chairside conversations personalized to the patient's current health status to create awareness, becomes a critical prevention strategy and can potentially pre-empt negative health outcomes, including death!

This interactive presentation is designed to engage dental teams to level up with the new understanding of how the pathologic condition of the mouth has a great systemic impact. Understanding dental assistants' key role in patient relationships will further deepen having learned how to provide valuable knowledge on oral and overall health connections, with every patient and at every dental visit!

LEARNING OBJECTIVES:

- * Explore the evolving role of dental professionals to create awareness of oral-systemic links
- * Learn about the three types of relationships between the chronic oral inflammatory process and systemic diseases
- * Review potential value verbiage to support patients' understanding and motivation to achieve optimum oral and overall health



Medical Urgencies and Emergencies in the Dental Implant Office (156)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 2:30 PM PDT

James L. Rutkowski, DMD, PhD, RPH, FAAID, DABOI/ID, Adjunct Professor
Athens, Alabama, United States

Disclosure information not submitted.

TEAM JOINT SESSION - HYGIENE AND ASSISTANTS

This concise presentation will provide algorithms for treating medical urgencies and emergencies in dental implant practices. Early intervention can often prevent the escalation of a medical urgency into a medical emergency that

may result in morbidity or mortality. Quick and knowledgeable action by all dental team members is essential. Dental team members will be provided with action steps they can take back to their practices to create or reinforce current office medical urgency and emergency action plans.

LEARNING OBJECTIVES:

- * Learn how to spot different types of medical urgencies and emergencies that may occur in a dental implant setting
- * Learn how to provide proper treatment of a medical urgency to prevent its escalation into a medical emergency
- * Discover how to bring concise and easy-to-follow treatment algorithms back to your dental implant practice to enhance and innovate current treatment methods



HYGIENE TRACK // JOINT ASSISTANT/HYGIENE TRACK (FRIDAY)

Focus on oral and overall health: a patient-centered approach. Friday afternoon sessions will be joint with the Assistant Track.

PRESENTATIONS:

Dental Ergonomics (123)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT



That's Hot! Real Talk About Inflammation (121)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Emme Sanders, RDH
Charlotte, North Carolina, United States

Disclosure(s): No financial relationships to disclose

Systemic inflammation is killing us! We now know that 50% of acute cardiovascular events are triggered by an oral infection. It's time to fight back! This course will cover the direct impact of our patients' oral condition on their total health. We'll discuss heart attack, strokes, diabetes and other resulting inflammatory diseases. Our role as trusted healthcare providers grants us more opportunities

to mitigate patient risks. Be prepared to leave with actionable steps to save patients lives.

LEARNING OBJECTIVES:

- * Understand inflammatory mediation and the slippery slope of disease
- * Learn tactics to discuss the importance of the oral/gut health relationship with your patients
- * Refine your periodontal diagnostic and treatment planning skills for disease remission



Airway Is the New Healthy (123)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Diana Batoon, DMD
Scottsdale, Arizona, United States

Disclosure(s): No relevant disclosure to display

With new high technology and integrative workflows, dental oral conditions have a link to systemic overall health. Paying attention to signs and symptoms of sleep-related breathing disorders can provide an insight to the root conditions of bruxism, TMJ, and overall oral health. The cranio-facial aspect in dentistry involves looking at our patients in a different way and connecting the dots to be better oral physicians for our patients. The airway is one of the key players in overall health and wellness. Learn how this new level of service in your practice can empower your dental team and save lives.

LEARNING OBJECTIVES:

- * Learn how paying attention to airways in our dental patients can save lives
- * Learn how to identify and triage possible sleep-related breathing disorders
- * Learn how this new level of service of airway health can be both profitable and empowering for your practice and your team
- * Explore implementation and workflow strategies





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DENTAL IMPLANT TEAM NETWORK *(continued)*

Program information as of September 19, 2023

Medical Urgencies and Emergencies in the Dental Implant Office (124,156)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 2:30 PM PDT

James L. Rutkowski, DMD, PhD, RPH, FAAID, DABOI/ID, Adjunct Professor Athens, Alabama, United States

Disclosure(s): No financial relationships to disclose

TEAM JOINT SESSION - HYGIENE AND ASSISTANTS

This concise presentation will provide algorithms for treating medical urgencies and emergencies in dental implant practices. Early intervention can often prevent the escalation of a medical urgency into a medical emergency that may result in morbidity or mortality. Quick and knowledgeable action by all dental team members is essential. Dental team members will be provided with action steps they can take back to their practices to create or reinforce current office medical urgency and emergency action plans.

LEARNING OBJECTIVES:

- * Learn how to spot different types of medical urgencies and emergencies that may occur in a dental implant setting
- * Learn how to provide proper treatment of a medical urgency to prevent its escalation into a medical emergency
- * Discover how to bring concise and easy-to-follow treatment algorithms back to your dental implant practice to enhance and innovate current treatment methods



Digital Workflow for the Clinical Team (125)

FRIDAY, NOVEMBER 3, 2023
2:30 PM – 3:30 PM PDT

Nathan Doyel, DMD, FAAID, DABOI/ID Sherwood, Oregon, United States

Disclosure(s): No financial relationships to disclose

TEAM JOINT SESSION - HYGIENE AND ASSISTANTS

Learn protocols for digitizing to prepare for guided surgery. Learn the workflow to plan surgical cases, the parts needed, and techniques for the best outcomes. Learn the five biggest mistakes team members make during the digital planning process and how to avoid them.

LEARNING OBJECTIVES:

- * Learn the five biggest mistakes made during the digital planning process and how to avoid them
- * Learn how to determine your role in the digital workflow process
- * Learn to evaluate which digital process can be a fit for your practice



Photobiomodulation: How and When To Use It in Your Hygiene Schedule (126, 158)

FRIDAY, NOVEMBER 3, 2023
4:30 PM – 5:30 PM PDT

Edward R. Kusek, DDS, FAAID, DABOI/ID, Adjunct Professor Sioux Falls, South Dakota, United States

Disclosure(s): No financial relationships to disclose

TEAM JOINT SESSION - HYGIENE AND ASSISTANTS

This didactic course will present an overview on the uses of Photobiomodulation

for hygienists and dental assistants. There will be an explanation of how Photobiomodulation works and a "cookbook" for treatment will be discussed. This includes treating aphthous ulcers, nerve regeneration, root sensitivity, TMD issues, use to aid in healing after surgical procedures, scaling, and root planning.

LEARNING OBJECTIVES:

- * Learn how Photobiomodulation works
- * Explore common procedures that can be done with hygienists
- * Learn about safety issues when using Photobiomodulation



DENTAL LABORATORY TRACK (FRIDAY)

Discover cutting-edge techniques and technologies, for now, and in the future

PRESENTATIONS:

3D Printing and Digital Technology (169)

FRIDAY, NOVEMBER 3, 2023
8:00 AM – 9:00 AM PDT

Hardeek Patel, BDS, DDS, FAAID, DABOI/ID Avenel, New Jersey, United States

Disclosure(s): No financial relationships to disclose

This presentation will focus on how to harness the power of 3D technology including printers to increase efficiency.

LEARNING OBJECTIVES:

- * Understand how the digital technology works
- * Learn how to implement workflows to increase efficiency
- * Discover how to use 3d printers in the office efficiently





Effective Implant Digital Workflows Combined With an On-site Digital Laboratory (170)

FRIDAY, NOVEMBER 3, 2023
9:00 AM – 10:00 AM PDT

C. Edgar Davila, DDS, MS, CDT, FAAID, DABOI/ID, Adjunct Professor
University of Florida College of Dentistry

Tampa, Florida, United States

Disclosure(s): No financial relationships to disclose

The field of digital intraoral scanning is growing fast, as evidenced by the number of available new scanners that have more features and benefits. This lecture will demonstrate the routine daily use of intraoral scans, digital photography, CBCT images, and 3D printing for diagnosis, planning, and treatment. The speaker will demonstrate how implant clinical digital workflows will improve efficacy and effectiveness when integrated with an on-site digital dental laboratory to create predictable and quality restorations digitally.

LEARNING OBJECTIVES:

- * Understand the improved efficiency and effectiveness of implant clinical digital workflows when assisted by an on-site digital dental laboratory using CAD CAM Technology in order to design and fabricate quality digital surgical guides and restorations predictably with 4/5-axis milling machines and 3D printers
- * Understand the importance of combining intraoral scans and CBCT images for proper diagnosis, planning, and treatment and provide the necessary data to be shared with dental laboratory support
- * Recognize the types of intraoral scanners available on the market and their respective uses, advantages, and disadvantages



Digital Workflow - All-on-x Considerations, Start To Finish (171)

FRIDAY, NOVEMBER 3, 2023
11:00 AM – 12:00 PM PDT

Nathan Doyel, DMD, FAAID, DABOI/ID
Sherwood, Oregon, United States

Disclosure(s): No financial relationships to disclose

Learn digital workflows for All-on-x cases that improve surgical and prosthetic outcomes and reduce surgical mishaps while delivering the long-term provisional on the day of surgery. Learn protocols that combine intra-oral scanners, facial scanners, DICOMs and STL correlation, 3D printing and milling, digital surgical planning, and digital prosthetic design.

LEARNING OBJECTIVES:

- * Learn about how digital workflows can improve All-on-x surgical and prosthetic outcomes



Trends in Transformation

DENTAL IMPLANT TEAM NETWORK *(continued)*

Program information as of September 19, 2023

- * Learn how to evaluate which digital workflow fits a patient's All-on-x surgical needs best
- * Learn to identify the five biggest mistakes made during the All-on-x digital planning process and how to avoid them



What Does "Digital Dentistry" Mean for Today's Dental Practice? (172)

FRIDAY, NOVEMBER 3, 2023
1:30 PM – 2:30 PM PDT

Kristine Aadland, DMD
Vancouver, Washington, United States

Disclosure(s): No relevant disclosure to display

It wasn't long ago that being a digital dentist meant using digital radiographs and possibly no paper charts. Today, digital dentistry has an array of facets from CAD/CAM design and in-house milling to 3D printing. What does this mean for general practitioners and specialists? Let's find out! We will be discussing different workflows for a variety of services that are practical in ever day dental practices and ways to implement them from the front to the back office.

LEARNING OBJECTIVES:

- * Learn about different technologies used today in a digital dental practice
- * Learn about the possibilities available for chairside implant restorations with 3D printing and chairside milling
- * Explore ways to maximize efficiency for your team and for your patient's schedule, creating a "wow" patient experience



What Does Digital Dentistry Mean for Today's Dental Practice? (Continued) (173)

FRIDAY, NOVEMBER 3, 2023
2:30 PM – 3:30 PM PDT

Kristine Aadland, DMD
Vancouver, Washington, United States

Disclosure(s): No relevant disclosure to display



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SCIENCE STAGE

Learn about current research from your oral implantology peers on a focused dental implant topic. See one or all of the Science Stage sessions on Saturday, November 4.

In Vitro Testing and Assessment of Additive Manufactured Lattice-Structured & Solid Titanium Dental Implant Overdenture Bars (801)

SATURDAY, NOVEMBER 4, 2023
8:00 AM – 8:30 AM PDT

Les Kalman, DDS
Western University
Kilworth, Ontario, Canada

Disclosure information not submitted.



Clinical and Radiographic Assessment of Peri-implant Tissue Changes Using Two Different Implant Connections With Immediate Implant Placement and Loading (802)

SATURDAY, NOVEMBER 4, 2023
8:30 AM – 9:00 AM PDT

Salma Mobarek

Disclosure information not submitted.



The Effectiveness of Different Tightening Techniques on Implant Abutment Screw Loosening: A Literature Review (803)

SATURDAY, NOVEMBER 4, 2023
9:00 AM – 9:30 AM PDT

Tyler Youn

Disclosure information not submitted.



The Effect of Metal Surface Treatment for Ceramic Repair of Ceramo-metallic Restoration (804)

SATURDAY, NOVEMBER 4, 2023
9:30 AM – 10:00 AM PDT

Suhayla Al Banai

Disclosure information not submitted.



Pterygoid Implant Retained Bridge Following Multiple Failed Alveolar Implants in Posterior Maxilla (805)

SATURDAY, NOVEMBER 4, 2023
10:00 AM – 10:30 AM PDT

Kouder Dakhllallah

Disclosure information not submitted.



Fully Guided Tooth Bud Ablation in Pigs Results in Complete Tooth Bud Removal and Molar Agenesis (806)

SATURDAY, NOVEMBER 4, 2023
10:30 AM – 10:45 AM PDT

Leigh Colby

Disclosure information not submitted.



Postsurgical Peri-implant Bone Loss - Are We Too Pushy? (807)

SATURDAY, NOVEMBER 4, 2023
11:00 AM – 11:40 AM PDT

Matthias Karl, DMD
Homburg, Saarland, Germany

Disclosure(s): No financial relationships to disclose

Achieving primary stability continues being a major goal during implant placement. While threshold values objectively describing the optimally stable implant are missing, accelerated loading concepts ask for maximizing primary stability. Literature on the contrary points out that overloading of bone may occur during implant installation which ultimately leads to bone resorption in esthetically relevant areas. Recently introduced implant systems try to take this risk into account aiming to avoid excessive stress generation in the buccal bone plate.

This presentation will provide an overview of stress situations generated with different implant systems, will review relevant literature and will introduce future research directions.

LEARNING OBJECTIVES:

- * Evaluate the concept of primary implant stability
- * Understand the effect of surgical factors and implant design on bone stress
- * Evaluate the effect of bone stress on periimplant bone levels



Root Analog 3D Printed Dental Implants: The Nano-level Challenges (808)

SATURDAY, NOVEMBER 4, 2023
11:40 AM – 12:00 PM PDT

Anastasia Tas

Disclosure information not submitted.

IMPLANT WORLD EXPO *Schedule as of date of publication of this issue of AAID News

Whether you're new to implants or a seasoned implantologist, you will find something of interest at the Implant World Expo during AAID's 2023 Annual Conference in Las Vegas. More than 100 companies will be demonstrating their products and services. Be sure to ask the exhibitors about their special AAID 2023 Conference discounts.

See your colleagues and make new connections. While browsing, enjoy food and beverages throughout the two full days of the Implant World Expo.

Please note that children under the age of 12 are not allowed in the exhibit hall at any time.



IMPLANT WORLD EXPO HOURS:

THURSDAY, NOVEMBER 2, 2023
9:30 AM – 7 PM

FRIDAY, NOVEMBER 3, 2023
9:30 AM – 4:30 PM

IMPLANT WORLD EXPO LUNCHES:

THURSDAY, NOVEMBER 2 AND
FRIDAY, NOVEMBER 3, 2023

No need to look for a restaurant, worrying if you'll be finished in time for the start of the afternoon education session. Join your colleagues on Thursday and Friday from noon until 1:30 pm in the Exhibit Hall for a FREE lunch and visit with the suppliers who help make your practice

successful. Every registrant will receive a ticket for lunch each day.

IMPLANT WORLD EXPO RECEPTION:

THURSDAY,
NOVEMBER 2, 2023

Join implantology colleagues and suppliers in the Exhibit Hall for the Implant World Expo. More than 100 suppliers to the implant dentistry profession will be there. Chat with fellow professionals while enjoying hors d'oeuvres and cocktails. This outstanding event is open to all registered attendees and guests. Badges will be required.

NETWORKING OPPORTUNITIES:

THURSDAY, NOVEMBER 2 AND
FRIDAY, NOVEMBER 3, 2023:

10:00 am – 11:00 am - Coffee Break
3:30 pm – 4:30 pm - Coffee Break



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INFORMATION

newmembers

The AAID is pleased to welcome the following new members who joined between May 10, 2023 and August 2, 2023. The list is organized by state, with the new member's city included. International members are listed by country and province (if applicable). If you joined the AAID recently and your name does not appear below, it will be listed in the next issue of *AAID News*.

PLEASE WELCOME THESE NEW MEMBERS IN YOUR AREA

Arizona

John Vredenburg III, Tucson

California

Rashad Altawaty, Riverside
Doug Cast, Temecula
Jeanette Estipona, South San Francisco
Gin Goei, South Pasadena
Shahin Pahlevani, San Francisco
Purnima Sheoran, Santa Maria
Baharak Tehrani, Walnut Creek
Uyen Thompson, Chula Vista

Colorado

Gregory Bennett, Arvada
John Mears, Berthoud
Christopher Sprout, Golden

Connecticut

Yuriy May, Farmington
Francisco Suarez Esser, Farmington

Florida

Michael Derakhshan, Brandon
Richard Ford, Miami
Scott Kareth, Trinity
Trupti Lofholm, West Palm Beach
Ledesha Maduro, Sunrise
Yuliet Moreno Montiel, Sarasota
Camilo Moynelo-Coll, West Palm Beach
Forrest Newman, St. Augustine
Christopher Petrotto, Lutz
Yoan Suarez, Seminole
Beatriz Valerio Gil, Margate
Collin Wietfeldt, Casselberry
Carlos Yanes, Boynton Beach

Georgia

Chris Bakke, Brookhaven
Lan Vo, Kennesaw
Eric Washington, Tucker

Illinois

Luis Granados Paucar, Woodridge
Steven Kalensky, Chicago
Michele Knabe, Chicago
Luis Paucar, Woodridge

Indiana

Brandon Tiek, Carmel
Saurabh Uppal, Greenwood

Iowa

Teagan Byrnes, Coralville

Kentucky

Adam Perry, Paducah

Louisiana

Reid Owens, Lafayette

Maryland

Joanna Marie Acosta, Waldorf
Ashley Brown, Laurel
Maheen Gilani, Elkridge
Jacob Nix, Silver Spring
Jay Siddiqui, Chevy Chase
Erfan Zarger, Baltimore

Maine

James Sparaga, Machias

Michigan

Eva Adam, Saint Clair Shores
Sallen Aoghiz, Shelby Township

Minnesota

Marko Kamel, Woodbury

Missouri

Stephanie Jaipaul, Kansas City
Alex Madov, Fulton

Montana

Barrie Matthews, Miles City
David McCracken, Lame Deer

North Carolina

Samuel Brunson, Pinehurst
Christopher Durham, Greensboro
Charles Shavers, Siler City

Nebraska

Sydney Armstrong, Grand Island

New Jersey

Avi Israeli, Wall

New York

Feliciano Espaillat, Elmont

Oregon

Nicole McKay, Portland

Pennsylvania

Jeremy Olen, Nazareth

Puerto Rico

Ebless Baez, Ponce

South Carolina

Indi Shelton, Spartanburg

South Dakota

Evan Augustyn, Sioux Falls

Texas

Sasan Khodabakhsh, Plano
Hooman Samani, Austin
Sahil Sawhani, Dallas
Aditi Saxena, Round Rock
Nidhi Shah, Stafford

Virginia

Maria Amador, Norfolk
Carla Chavez-Mayorga, Charlottesville
Chaz Collins, Reston
Abdul Majeed, Bristow
Shima Mohseni Behbahani, Tysons
Peter Murchie, Manakin-Sabot
Diana Sensenbrenner, Sterling
Milan Simanek, Fairfax

Washington

Adam Mileski, Veradale
Shweta Puri, Spokane Valley
Mark Stivers, Everett

Wisconsin

Andrew Geislinger, Winona

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Ontario

Melvin Mao, London
Edmond Sze, Ottawa

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Miriam Mathew
Arjun Thiruvaipati

Iraq

Twana Raof

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Rafael Lopez

Poland

Michał Mikulski

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Sarmad Al-Chalabi
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Ahmad Shahin

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Augusta, GA

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Bangalore AAID MaxiCourse®

Bangalore, India

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Vancouver AAID MaxiCourse®

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Email: young.mattdds@gmail.com
Website: www.youngdentalsf.com

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Website: www.erhughesdds.com

Implant Study Club of North Carolina

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Location: Nagoya, Aichi-Ken, Japan
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Email: hotta-dc@ff.ij4u.or.jp
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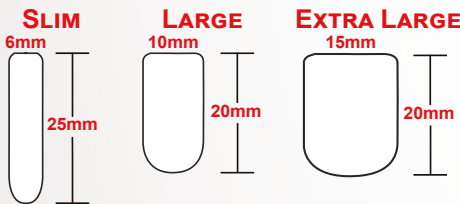
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Available in Three Sizes



At less than \$50 per piece, the Impladent Ltd OsteoGen® Bone Grafting Plug combines bone graft with a collagen plug to yield an easy and affordable way to clinically deliver bone graft for socket preservation and ridge maintenance, all without the need for a membrane!

1. Spivak, J Biomed. Mater Research, 1990; 2. Ricci, J Oral Maxillofacial Surgery, 1992; 3. Valen, J Oral Implantology, 2002.

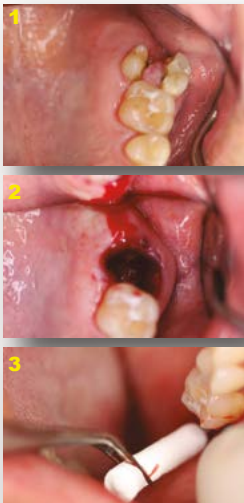
Clinical Case Example

Clinical images courtesy of German Murias DDS, ABO/ID

Tooth #15, set to be extracted.

Remove the entire pathologic periodontal ligament and flush socket twice. Use #6 carbide bur, make holes through the Lamina Dura to trabecular bone and establish Regional Acceleratory Phenomenon.

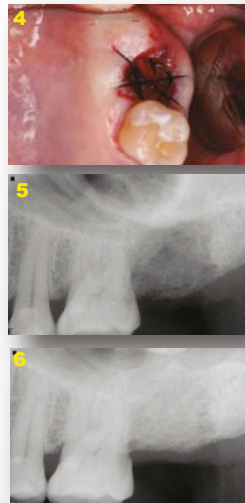
Insert Large or Slim sized OsteoGen® Bone Grafting Plugs and allow blood to absorb.



Two Slim OsteoGen® Plugs are in place. Suture over top of socket to contain Plug. Do not suture through Plug. No membrane is required.

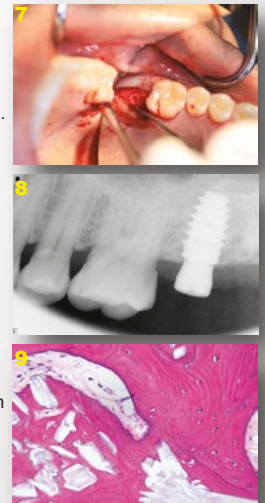
OsteoGen® is a low density bone graft and the OsteoGen® Plugs will show radiolucent on the day of placement.

As the OsteoGen® crystals are resorbed and replaced by host bone, the site will become radiopaque.



The collagen promotes keratinized soft tissue coverage while the OsteoGen® crystals resorb to form solid bone. In this image, a core sample was retrieved.

Implant is placed. Note the histology showing mature osteocytes in lamellar bone formation. Some of the larger OsteoGen® crystals and clusters are slowly resorbing. Bioactivity is demonstrated by the high bone to crystal contact, absent of any fibrous tissue encapsulation.



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Dr. Bryan Kariya



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