Program committee chair Dr. Jeffrey Ganeles offers highlights for this year’s annual meeting

By Jeffrey Ganeles, DMD

On behalf of the annual meeting program committee, I look forward to welcoming more than 2,500 attendees to Orlando and the AO 2017 Annual Meeting.

The event will take place March 15–18 at the Orange County Convention Center. This year’s event is inspired by author Jim Collins, whose book, titled “Good to Great,” describes how companies transition from being good companies to great companies. This drive for constant improvement envelops our field in implant dentistry and captures the enthusiasm of the synergistic partnership of our three fellow co-sponsoring organizations.

Before the annual meeting officially kicks off, many educational opportunities are available. On March 15, two unique and fascinating presentations on dental radiology and cellular and biomechanical aspects of osseointegration will be given by experts and are particularly useful to fulfill academic requirements for the AO Certificate Program. There will also be commercially sponsored hands-on sessions that day with nine industry-leading innovators.

March 16 will offer a robust corporate forum. Then the opening symposium will feature Keynote Speaker Dr. Jill Helms, followed by lectures from five well-known international experts. Attendees can cap off that evening in the exhibit hall with the AO’s traditional welcome reception to enjoy hors d’oeuvres, refreshments and networking while visiting exhibitors and reviewing ePosters.

Friday, March 17, will begin at 7 a.m. with an innovative new session, called “Business of Implant Dentistry — SWOT Analysis of Implant Dental Care Delivery Models.” Speakers representing traditional referral-based practices, DSO and total care providers will explore the strengths, weaknesses and opportunities and threats (SWOT) in each treatment delivery model. Opposite this session, there will be eight “Morning with the Masters” sessions presented by Drs. Anthony Sclar, Lawrence Brecht, Thomas Taylor, HP Weber, Mauricio Araujo, Stephen Parel and Tiziano Testori.

Friday will continue with surgical and restorative tracks, featuring leading clinicians as well as lesser known, creative rising stars who will discuss different aspects of implant dentistry ranging from surgical strategies and techniques, to complications management to treatment flow, digital dentistry, materials science and future trends. At 10-30 a.m. in the surgical track, there will be a session devoted to a 2017 update of the landmark 1997 AO Sinus Consensus Conference featuring Drs. Alan Hereford, Craig Mischi, Paul Fugazotto and Eric Dierks.

Following in the AO’s tradition of supporting research and innovation, the oral clinical research abstract session will also be Friday morning. The oral science and clinical innovations sessions will be presented Friday afternoon.

Two other afternoon tracks are planned for Friday. These will integrate surgical and restorative topics and address clinical problems. From 1:30—3 p.m., there will be a session focusing on managing anterior esthetics opposite another concentrating on managing biologic complications. After a short break, two more sessions will take place, titled “New Concepts and Materials for Site Development” and “Image Guidance and Digital Planning.”

There will also be commercially sponsored hands-on sessions that day with nine industry-leading innovators.

AO in Orlando: ‘Good to great’

Expanding alveolar contours

New treatment options now available for patients in need of orthognathic surgery or other orthodontic treatment

By Rebecca Bockow, DDS

Have you ever had a patient decline orthognathic surgery? Or, had a patient who needed orthodontics but did not pursue it because the projected treatment time was too long? Have you ever seen a patient with significant gingival recession who would also benefit from orthodontic treatment?

Thanks to new developments in interdisciplinary dentistry, we can now offer exciting and innovative treatment options for these patients.

Patients seeking orthodontic care may present with dental crowding and/or skeletal discrepancies. When the etiology for a malocclusion is skeletal, a patient’s treatment options include either a combination of orthodontics and orthognathic surgery or orthodontic “camouflage” treatment, including extractions, interproximal reduction and pushing teeth to their biologic extremes.

The biologic limits of orthodontic tooth movement are defined by the pre-treatment alveolar bone and the surrounding soft tissues. Moving teeth outside of the alveolus can result in bony dehiscences, fenestrations and gingival recession.

Traditionally, the only treatment op-
Dr. Arturo Llobell aims to help young clinicians avoid surprises in implant dentistry

By Sierra Rendon, Managing Editor

Implant Tribune recently sat down with AO 2017 Annual Meeting presenter Dr. Arturo Llobell, a clinician known to thrive in fast-paced environments. He’s a renowned and practicing periodontist and prosthodontist, as well as a national race car champion. We asked Dr. Llobell to preview the “Young Clinicians’ Series,” where he will set a clear “roadbook” for predictability when facing complex full arch implant rehabilitations.

What is the purpose/goal of this session? The session will give a through and vision on an array of important steps involved in today’s full arch rehabilitations, while contemplating different treatment options and sequences related to both prosthodontics and surgery aimed to achieve predictable aesthetic and functional outcomes.

What topics will be covered? The lecture will have an interdisciplinary focus based on treatment planning and execution, involving both surgical and prosthodontic aspects related to implant dentistry. The surgical portion will involve different approaches and keys to success in guided bone regeneration and bone resection, while debating the importance of implant selection and planning in guided surgery and immediate load protocols. The prosthodontic portion will discuss the benefits and limitations related to different prosthetic designs and material selection, involving new technologies such as the facial scan or contemporary CAD/CAM protocols.

Why is it important for young clinicians to attend? During the session, I will also show tips that I’ve learned during my training as well as those that I now try to teach.

• See YOUNG, page B3
through my faculty appointments that are really helping me on a daily basis. I will also explain clear, straightforward pathways with the goal of adding simplicity and avoiding confusion during the treatment planning and sequence of complex cases. Basically to show with a clear view, it is possible for us to do it!

Why is it important to a cross-selection of clinicians?
I believe that an adequate knowledge and consideration of different specialties, which can merge together in the treatment of complex cases, is crucial in order to obtain predictable, long-lasting results without undesirable surprises. This merging of concepts will be emphasized in the session by setting a clear “roadbook” to follow through different important steps of the treatment.

What are some key takeaways attendees will glean?
Although the continuous innovation and evolution of technology will help us in many steps of the treatment, planning prior to execution must be considered as the most important treatment aspect in order to achieve predictable long-lasting esthetic and functional results.

Another takeaway will be that zirconia is a great material being used more and more in the profession because of its broad range of advantages and indications for patients requiring tooth movement beyond the scope of orthodontic camouflage was a combination of orthodonties and orthognathic surgery. Some patients decline orthognathic surgery because of fear, cost, lifestyle or underlying health issues. We now have an effective treatment option to offer borderline surgical orthodontic patients.

In implant dentistry, when the alveolar ridge is deficient to support the placement of an implant, we perform a localized bone graft, or a “guided bone regeneration.” The same principles can be applied to orthodontic tooth movement: if there is insufficient bone to support traditional tooth movement, we can now ask our surgical colleagues to graft the alveolus.

Advantages to this procedure include greater breadth of tooth movements, potentially less gingival recession, greater long-term orthodontic stability and a faster total treatment time for the patient. Studies show that tooth movement can be twice as fast in the presence of a localized injury compared to traditional orthodontic tooth movement. If a patient declines orthognathic surgery, we can now expand the alveolar ridge and safely move teeth a greater distance in order to mask an underlying skeletal discrepancy.

Diagnosis and treatment planning from all team members is essential for a favorable treatment outcome. The ideal position of the teeth should be determined in three planes of space. The final restorative treatment plan may influence the ideal tooth position. Once the team knows the tooth movement goals, the surgeon and orthodontist assess whether or not the available bone can support such movement. If the answer is no, a localized bone augmentation is necessary in the direction of the proposed tooth movement. Brackets and wires are placed a few weeks to a few months prior to the surgery.

Immediately following bone augmentation, the teeth are rapidly moved into the grafted bone. The new bone heals around the teeth as they move into the new position, creating increased post-orthodontic tooth and soft-tissue stability.

Join me at AO’s 2017 Annual Meeting in Orlando, to learn more during my presentation titled, “Expanding Alveolar Contours with Surgically Facilitated Orthodontics.” It will be part of a new session called “New Concepts and Materials for Site Development” that will be held on March 17 from 3:30 – 5 p.m.

AO’s 2017 Annual Meeting will be held March 15 –18 at the Orange County Convention Center. For more information, visit www.osseo.org.

Note: Dr. Bockow’s article originally appeared in Spear Digest.
AO keynote to focus on ‘whole person’ at Orlando meeting

Dr. Helms: Dental clinicians may need to redefine beauty

By Jill Helms, DDS, PhD, Professor of Surgery, Stanford Medicine

Dental clinicians often play instrumental roles in restoring the integrity of a patient’s face; they also are in a unique position to help their patients appreciate the internal beauty as well. This is what I plan to address during my keynote presentation, titled “Beauty Reconsidered,” at the Academy of Osseointegration’s 2017 Annual Meeting.

Neuroscientists tell us that our brains are hard-wired to recognize and respond to beauty. There is a region of the brain where neurons specifically fire when we gaze upon a face. Within months of birth, infants use this brain region to recognize and discriminate among faces and the emotions portrayed by these faces. So, when something disrupts our facial appearance — whether it is caused by disease, deformity or trauma — it can have a profound impact on how others see us and how we see ourselves. Facial changes affect our sense of well-being.

That’s why it is critical for dental clinicians to treat the whole person. You aren’t just restoring a part of the patient’s anatomy; you are restoring their sense of completeness.

Join me at AO’s meeting, taking place March 15-18 in Orlando, Fla. Let’s do this together: Let’s teach ourselves and our patients that beauty is not determined by a surgical outcome alone.

‘There may be surgical limitations to the repair, but as you approach a patient’s restorative plan, I urge you to consider how you can assist them in redefining what is beautiful.’

Beauty is defined by authenticity, compassion and perseverance in the face of adversity. I hope this talk helps to guide you on a journey that goes beyond a validation of external beauty and gets to the deeper business of appreciating the beauty that exists inside each of us.
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Keystone Dental is a proud supporter of the American Cancer Society

By Glidewell Dental Staff

Glidewell Dental, a leading provider of clinical and dental laboratory products, announced recently a price decrease for BruxZir® Milling Blanks, the material used to fabricate authentic BruxZir Solid Zirconia crowns and bridges.

The entire line of BruxZir Milling Blanks, including BruxZir Anterior, BruxZir Shaded, BruxZir Shaded 16 and BruxZir HT, will receive a significant price decrease across all milling blank thicknesses (12 mm, 15 mm, 20 mm and 25 mm) to enable dental laboratories of any size to provide Glidewell Dental’s zirconia material. This new blank size aims to empower dental labs with even more versatility and access to the monolithic revolution by creating less material waste during the fabrication of copings and frameworks, the company asserts.

Dental laboratories that take advantage of this competitive price decrease, along with the new BruxZir blank size, will be able to offer unmatched zirconia quality to their dentists, Glidewell states. The BruxZir material is backed by extensive clinical testing and validation — in contrast to clinically unvalidated zirconia and the potential risks associated with generic discount zirconia.

Furthermore, dental laboratories that offer authentic BruxZir restorations can bolster their zirconia business by joining the Authorized BruxZir Laboratory program. As part of this program, labs benefit from far-reaching marketing efforts at no cost, including nationwide mailers, quarterly ads and email campaigns. These results-driven marketing initiatives are crafted on member labs’ behalf, with the mission to build brand awareness and help customers find labs that offer BruxZir zirconia.

For more information on the line of BruxZir Milling Blanks and the Authorized BruxZir Lab program, call (888) 303-3975 or visit bruxzir.com.

BruxZir Milling Blanks are manufactured by Prismatik Dentalcraft, Inc., the medical device manufacturing division of Glidewell Dental, in Irvine, Calif., in an ISO-certified facility that operates under FDA Current Good Manufacturing Practices (CGMPs). Featuring a diverse team of dentists, scientists, material researchers and other experienced professionals, Prismatik Dentalcraft strives to develop the industry’s most innovative products to bring comprehensive treatment to patients across the economic spectrum, according to the company.

About Glidewell Dental
Glidewell Dental, based in Newport Beach, Calif., is an industry-leading provider of dental lab products and services to dental professionals in select markets around the world for a low cost. Established in January 1970 by Jim Glidewell, CDT, the company has a decades-long heritage of technological innovation.
Simple & Predictable
10 Years of Clinical Evidence

Simplicity
Single implant-abutment connection size - each abutment fits all fixture diameters.

Platform Switching

Tight Internal Conical Connection

Optimal Initial Stability

S.L.A. Surface Treatment
(Sandblasted with Large grits and Acid etched)
Introducing LOCATOR F-Tx: 
A new way to think about fixed full-arch restorations

By Zest Dental Solutions Staff

LOCATOR F-Tx is a simplified, time-saving solution for fixed full-arch restorations with no compromise to prosthesis strength or esthetics, according to Zest Dental Solutions. Optimized for efficiency and chair time savings compared to conventional screw-retained systems, it features a novel, patent-pending “snap-in” attachment that eliminates the need for sub-gingival cement or screw access channels. A new solution for immediate provisionalization, Zest Dental asserts, the fully integrated system accommodates the full range of final restorative options including all-acrylic, metal-reinforced acrylic, PFM and all-zirconia frameworks.

Secure snap-fit design
This patent-pending retention system works similar to a ball and socket, allowing the denture attachment housing to securely snap into place and then pivot to the desired position. Once in place, it’s fixed for the patient and can easily be removed by the clinician during hygiene and maintenance visits.

Simplified angle correction/stress-free passive fit
- The LOCATOR F-Tx Abutment features a unique, spherical coronal geometry, which allows the denture attachment housing to rotate in any direction and correct up to 40 degrees of convergence/divergence between two implants, eliminating the need for angled abutments.
- Chairside processing procedures at final prosthesis delivery ensures a stress-free passive fit.

Denture attachment housing
- Denture attachment housing is threaded internally to accept a PEEK Retention Ball that snaps into the LOCATOR F-Tx Abutment.
- Features an anodized pink finish for improved esthetics.
- Aggressive grooves and flat limit vertical and rotational movement.
- Denture Attachment Housing is passively picked-up in the prosthesis via a chair side technique.

Retention/processing balls
- PEEK retention balls are available in low-, medium- and high-retention levels based on the needs of the case.
- A processing ball comes pre-inserted with the denture attachment housing, an additional processing ball is included, and both are used for provisionalization and laboratory procedures.

Abutment
- Duralec™ Coating provides a hard, smooth and wear-resistant abutment exterior with a gingival tone.

All-in-one packaging
- LOCATOR F-Tx features all-in-one packaging that is sterile and includes everything you need: abutment (with cap to deliver the abutment to the implant site), denture attachment housing with pre-inserted processing ball, an extra processing ball, as well as one blue (low), tan (medium) and green (high) retention ball.
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The Newport Biologics™ line of bone grafting materials and resorbable barrier membranes represents the highest quality of regenerative products available. By assembling only the most versatile, effective and frequently used regenerative materials the industry has to offer, we provide clinicians a simplified buying experience, unparalleled value, and the confidence to efficiently and reliably treat the majority of grafting indications.

<table>
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<th>Product Description</th>
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*Buy 4 of any mix of products and get 1 product free. The free product must be of equal or lesser value to the lowest-priced item purchased. Offer expires 4/30/2017.

Order by phone: 888-786-2177
Order online: newportbiologics.com
W&H Implantmed SI-1015: Respects your needs

By W&H Staff

W&H introduced the Implantmed surgical unit in 2001. The company asserts it’s a high-quality device — safe, simple to use with a high degree of precision and flexible application options. The new generation builds on those tried-and-tested features and adds an array of all new benefits: a color touchscreen interface, a wireless foot pedal, shorter/lighter and more powerful motor with LED+ capability and a unique ISQ module for assessing the stability of an implant.

W&H Implantmed SI-1015 supports practitioners for both oral surgery and implantology.

Improved safety

Immediate load … early load … or the conventional route?

Deciding on the best time for loading implants is becoming more complex when trying to take into account all of a patient’s risk factors.

The integrated automatic thread-cutter function and precise torque control actively help the operator during implant placement — especially in dense bone. Using the documentation function stores all parameters, the implant insertion torque/time graph, optional ISQ measurement data, documentation ID and tooth position on a USB stick for patient records.

As an option, the W&H Osstell ISQ (Implant Stability Quotient) module for the Implantmed SI-1015 is a non-invasive measuring system of primary stability/osseointegration.

Combining the detailed insertion torque graph with the ISQ measurement reduces risk in deciding optimum loading time and assists in monitoring osseointegration of an implant.

Simplicity: New color touchscreen user interface and redesigned pump

The new Implantmed SI-1015’s user interface helps the practice team to streamline. A high-tech color touchscreen with a tempered glass surface makes it easy to operate and disinfect. The logically designed navigation system and the customizable programs allow the operator to focus on the surgery.

The Implantmed can be customized for up to six individual users for reduced risk in group practices using multiple implant brands and their individual protocols. Staff will appreciate the redesigned coolant pump as the irrigation tubing can now be loaded faster under sterile conditions.

Precise: Powerful motor and new surgical handpieces with LED+

In its class, the new motor is the strongest (6.2 Ncm), lightest and shortest. The ergonomic shape and balance combined with a W&H handpiece reduces operator physical strain. Five new short surgical handpieces with LED+ fully illuminate — regardless of the motor speed.

Quality stainless steel with scratch-resistant coating is best for a gloved hand, optimum hygiene and will preserve the “as new” appearance, according to the company.

Flexibility: Wireless multi-functional, multi-device foot pedal

The new optional wireless foot pedal offers even greater flexibility and convenience, according to the company. The Implantmed can be operated easily with the foot control as an alternative to the touchscreen. One foot pedal can be used with multiple W&H devices (Piezomed, etc.).

‘The logically designed navigation system and the customizable programs allow the operator to focus on the surgery.’
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to see the all new Implantmed SI-1015.

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