A summer of implants

By today Staff

The ICOI Summer Symposium might have just officially begun less than 24 hours ago, but there is no time being wasted at this meeting.

Thursday’s main podium sessions kicked off with a bang, diving head-first into “Solutions to Malpositioned Implants and Migrating Implants,” presented by Dr. Randolph Resnik, and finishing up with “Avoiding Implant Complications with the Use of 3D Imaging,” presented by Dr. Justin Moody.

Between those were Dr. Aldo Leopardi’s discussion on “Prosthetic Management of the Failed Implant Site” and Dr. Charles Goodacre’s advice on

World Congress XXXI heads to Tokyo

By Craig Johnson, ICOI Executive Director

This fall will certainly help perpetuate the International Congress of Oral Implantologists’ (ICOI) primary mission of dental implant education as the World Congress XXXI moves east to the Asia-Pacific region.

The site for the 2014 ICOI World Congress XXXI will be the grand Tokyo International Forum and Convention Center. The theme for the congress, as designed by Scientific Chairmen Dr. Koichi Ito and Dr. Jon Suzuki, is “The Future of Implant Dentistry.”

The meeting will be held from Oct. 3-5. The congress will commence on Friday morning with a program featuring special guest speakers Drs. Dennis Tarnow, Craig Misch and Sang Choon-Cho.

Tarnow will peek into his crystal ball as he speaks on “The Realities in an Implant Dentistry Future.” Misch will channel Shakespeare as he discusses, “To Graft or Not to Graft. That is the Question,” and Choon-Cho will expound on “Implant Oriented Sinus
Get free access to state-of-the-art educational resources for office websites and social media

In an effort to help its members engage patients and grow their practices, ICOI today unveiled a new video series produced by Dear Doctor that explores the beneficial technology of dental implants.

As of today, ICOI members will have free access to five new, state-of-the-art educational videos that they can post to their office websites and share via social media.

“When we looked at what our members really needed to best serve their patients and be successful and consumer-friendly, dental implant videos were very high on the list,” said Dr. Kenneth W.M. Judy, ICOI co-chairman. “We are extremely pleased with the educational content and quality of the new video series Dear Doctor has produced for us.”

“Patient education has always been Dear Doctor’s No. 1 priority,” said Dr. Mario Vilardi, president of Dear Doctor. “We are thrilled to be partnering with an organization as prestigious as the ICOI, but more importantly, we are very proud that it places such a significant value on educating the public and has such a strong commitment to serving its membership.”

The five video titles released today are: “Dental Implants — High-Tech Teeth,” “How to Choose an Implant Dentist,” “Are You a Candidate for Dental Implants?” “Dental Implant FAQs” and “Consequences of Missing Teeth.”

These videos—which are easy to add to any ICOI-member website—contain a wealth of information presented in an easy-to-understand style along with eye-catching graphics. As new videos are added, they will be made available to ICOI members. To begin accessing this new benefit, members should visit www.ICOIvideos.com.
Restoring quality of life

Patients rely on you in order to eat, speak, and smile with confidence. It can be said, you are actually restoring quality of life.

To succeed, you need technology that is well founded and documented in science. That is why we only deliver premium solutions for all phases of implant therapy, which have been extensively tested and clinically proven to provide lifelong function and aesthetics.

Moreover, with an open-minded approach, we partner with our customers and offer services that go beyond products, such as educational opportunities and practice development programs.

Reliable solutions and partnership for restoring quality of life—because it matters.

Visit us at booth #305 to learn more.

Comprehensive solutions for all phases of implant dentistry

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Implants

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Scenes from ICOI

Photos by Anna Kataoka, today Staff

- Michael Pristo shows off Zest’s latest products to ICOI attendee Dr. Kevin M. Altieri of Fort Worth, Texas, at booth Nos. 506/507.
- Dr. John M. Pickup of Australia learns all about Salvin products from Dana Mueller at the booth, Nos. 306/308.
- Adam Krugman, left, and Mike Rodrigues of Keystone Dental, booth No. 108.
- Inessa Lambros of Dentium, booth No. 317.
- Matthew Miller helps attendee Dr. Karen Arakelian of Sherman Oaks, Calif., at booth No. 213.
- Jim Schmidt of MIS Technologies (booth Nos. 406/408) helps out attendees Dr. Parimal M. Panchal of Wilmington, N.C., and Dr. Joumana Salame of Allen Park, Ill.
- Dr. Kany Y. Lee gets a warm embrace from Mark Boll at the PreXion booth, Nos. 616/618.
- From left, Brian Bashaw, Angela Fox and Alison Gerrans hold down the fort at the DENTSPLY Implants booth, Nos. 305/307.
- From left, Brian Banton, Lee Austin, Carl Misch and Darwin Bagley can be found at the Implant Direct booth, Nos. 210/212.
SUMMER  

“Determining When to Extract a Tooth and Place an Implant OR Retain a Tooth Through Root Canal Treatment/Periodontal Treatment OR Place a Conventional Fixed Partial Denture.”

Even more is scheduled for the next three days. Topics to be covered include treatment planning, surgical and prosthetical complications, treatment of peri-implant diseases, vertical bone augmentation and the legality around implant complications.


Of course, not everything is for just clinicians. Accompanying the doctor program is the 2½-day auxiliary program given by the ADIA and designed by Lynn Mortilla, RDH. Program highlights include dental technology and post-op implant care in addition to a variety of certification classes.

Over in the exhibit hall, 70-plus companies are waiting to give you demonstrations on their latest products and technology. A few of the highlights include:

- Ellman International (booth No. 617), demonstrating its Surgitron line of advanced radiofrequency (RF) generators. Operating at a frequency of 4.0 MHz, the Surgitron is designed to provide surgical precision and controlled hemostasis for a variety of procedures.
- i-CAT, at booth No. 215, showcasing its new i-CAT FLX CBCT, featuring award-winning FLX technology and Tx STUDIO 5.3 treatment-planning software. The i-CAT FLX offers 3-D imaging at a dose lower than a 2-D panoramic X-ray with QuickScan.
- MIS Implants Technologies, at booth Nos. 410/412, offering the MGUIDE Guided Implantology System, which is designed to streamline and simplify treatment planning for dental implants. The system also allows you to present a treatment plan to patients, thereby increasing their comfort level.

You can find all these products and more in the exhibit hall, which is open until 6 p.m. today and 3:30 p.m. Saturday.

TOKYO  

Augmentation — From Autogenous Bone to BMP.*

Following these three lectures will be two doctors who present cases from the young implantologists’ perspective.

Dr. David Holmes will show cases involving “Implant Surfaces and Peri-Implantitis: From Surface to Suppression,” followed by Dr. Teruaki Homma, whose focus will be “One Miracle at a Time, One Abutment at a Time.”

On Saturday and Sunday, Oct. 4–5, the main podium will feature a host of international speakers, including Drs. Mani Alikhani, Mabil Barakat, Bach Le, Scott Ganz, Thomas Han, Joseph Kan, Yataro Komiyama, Richard Kraut, Paul Lin, Preston Miller, Ady Palti, Gerald Scortecci and Takashi Tsuji.

Sponsors’ Workshops by Nobel Biocare and BGMET 3i will be featured on Friday afternoon, from 1:30 to 4:30 p.m. Attendees should plan to attend one of these courses, the chairmen recommend.

There will also be a full-day program for hygienists presented on Friday, Oct. 3, by ADA Executive Director Lynn D. Mortilla, RDH. Doctors should plan to bring their team member hygienists to this important program, Mortilla said.

The social highlight of the World Congress will be the gala dinner, which will be held Saturday, Oct. 4, at the elegant Imperial Hotel. Labeled, “A Night in Tokyo,” this evening promises to be filled with entertainment, food and drink.

The dinner will also honor incoming ICOI President Dr. Gerard Scortecci from France and newly elected president of the ICOI Asia-Pacific Section Dr. Shohel Kasugai from Japan.
## From edentulous to temporaries in just a few steps

By MIS Staff

The MIS MCENTER offers custom solutions for both the surgical and restorative aspects of implant dentistry. The MGUIDE and CAD/CAM milling technology provides templates and surgical stents for use in traditional guided surgery systems.

MCENTER provides a full range of zirconia restorative solutions for dentists and dental labs, as well as custom-milled zirconia abutments, full contour crowns, copings and bridges.

Temporary restorations can be created to be delivered with the surgical stent at the doctor’s request. With state-of-the-art CAD/CAM milling machines and high-quality raw materials, the MCENTER is able to deliver meticulously designed and crafted components to the restorative doctor. Whether you utilize the MCENTER for your entire case, or just for a portion of it, we believe you will enjoy being part of the team.

### Here at the ICOI

For more information on the MCENTER, stop by the MIS Implants booth, Nos. 410/412.

Surgeons notice the differences in the MGUIDE surgical stent right away, according to MIS customers. The stent is designed so it clips on the undercuts of existing teeth to secure it in the proper position. For edentulous cases, the stent rests on the soft tissue and is contoured specifically for each individual case. The stent is then safely secured using either fixation pins or template anchoring screws.

The MCENTER’s surgical stent has a clear and open architecture that offers the ability to access and easily irrigate the osteotomy site without the need for awkward drill guide keys that are used in traditional guided surgery systems.

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**Italics indicates ICOI sponsor**
Salvin Renovix®
Guided Healing Collagen Membrane

- Resorbable Porcine Collagen Membrane For Guided Tissue & Bone Regeneration
- Optimal Mechanical & Elastic Handling Characteristics
- Biocompatibility With No Inflammatory Response
- Easily Sutured Or Tacked Over Your Surgical Site
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- Compare To Ossix® Or Bio-Gide®
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Extra 5mm Length Allows Buccal-Lingual Coverage

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Socket Graft Without Primary Closure

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Grafted Extraction Socket
Renovix® Draped Over Surgical Site
Sutured Without Primary Closure
4 Week Post-Op Mature Tissue Closure
16 Week X-Ray Ideal Bone Formation

Surgery & Photos: Dr. Steve Wallace, Periodontist, Wilmington, NC

Socket Graft Without Primary Closure

Salvin Renovix® + Mineralized Cortical / Cancellous

Grafted Extraction Socket
Renovix® Placed Double Layer
Sutured Without Primary Closure
16 Week Post-Op Mature Tissue Closure
16 Week X-Ray Ideal Bone Formation

Surgery & Photos: Dr. James Woodyard, Periodontist, Newburgh, IN

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Simply Smarter Surgery
Neck Matched to Major Diameter
• Seals opening at crest of ridge reducing need for bone grafting

Micro-threads and Grooves
• Micro-grooves to improve soft tissue attachment and micro-threads to increase stability and reduce stress in crestal bone area

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Face Clockwise
• Three long grooves for self-tapping insertion

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• Reduces risk during insertion of implant diverging from path created by drilling and the risk of sinus perforation

ICOI Booth #210

Reality Check
Nobel Customers
Save $553!

All-in-1 Packaging
Includes implant, cover screw, healing collar & new fixture-mount that provides simply accurate impression taking as well as functions as a preparable abutment
• $225 SBM, $250 S9Active™ surface
NobelActive® Compatible Conical Connection
with Significant Design, Surgical, Packaging and Price Advantages

**IQity Impression Technique™**
Patent pending fixture-mount design provides:
- The ease of a closed-tray impression
- The accuracy of an open-tray impression
- The versatility to create impression at either implant-level or abutment-level

**Simply Smarter Restorations**
*Matched Concave Transgingival Profile on Abutments & Components*
- Shape soft tissue for improved esthetics

**Compatible Abutments with Longer Hex/Shorter Bevel²**
- Reduce the need to confirm seating with X-rays

**Two Color-coded Implant Platforms for Four Implant Diameters**
- Restore more implants with a smaller prosthetic inventory and easily identify the correct size

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Collagen membrane a great fit for pre-implant grafting procedures

By Salvin Dental Staff

The Renovix® Guided Healing Collagen Membrane from Salvin Dental is getting excellent reviews from doctors using it for pre-implant grafting procedures, including socket preservation, ridge augmentation and sinus lifts.

It combines the ability to drape and conform to the specific anatomy of a grafted defect while maintaining structural integrity and elasticity. This combination of ideal handling characteristics helps to make grafting procedures easier and more predictable.

When it comes to selecting the perfect membrane for guided bone and tissue regeneration, there are many choices. However, most clinicians are still looking for the ideal barrier that combines the best handling and performance characteristics.

Some collagen membranes remain stiff, even after being hydrated, making it difficult to consistently conform to the shape of the defect. Other membranes have no memory and resemble wet tissue paper, making it extremely difficult to manipulate during surgery.

Renovix was originally created for use in repairing pediatric cardiac defects. Cardiac surgeons needed a resorbable membrane to protect the surgical site without migration and have it cross-linked in a way that significantly reduced the chance of an inflammatory response.

Based on these specific requests, the material used for Renovix was developed. Renovix is fabricated from Type 1 porcine collagen, known to be one of the purest forms of collagen available. It is cross-linked with polysaccharide, a naturally occurring sugar with excellent biocompatibility.

The combined performance and handling characteristics of this membrane, along with specific requests from many implant surgeons, encouraged Salvin Dental to introduce Renovix for guided bone regeneration procedures.

Case reports and clinical documentation are an important part of the decision process when determining how regenerative products will perform. Steve Wallace, DDS, MHS, from Wilmington, N.C., has used Renovix in more than 25 cases as a guided regeneration barrier after extraction and grafting of maxillary first and second molars in preparation for implant placement.

Wallace made the following statement detailing his clinical experience with Renovix: “Primary flap closure over maxillary molar extraction sites is always difficult to achieve. I have been using Renovix as my barrier over these grafted sites to exclude soft-tissue ingrowth. I have seen that Renovix remains intact up to 13 weeks and consistently promotes soft-tissue closure over it with minimal inflammation.”

When it is first removed from its sterile packaging, Renovix is transparent and fairly rigid. Once hydrated, Renovix becomes opaque, making it easy to identify when brought into the surgical field, and it is very easy to manipulate. Doctors have said they get their best results when trimming it after it has been hydrated.

Renovix is very thin; yet, it has remarkable tensile strength. This characteristic provides several clinical advantages.

First and foremost, it can easily be tucked or sutured to the surgical site if needed. Next, it can be tucked into small tunnel incisions using a microperiosteal elevator without concern that the instrument will easily puncture through the membrane.

Finally, the fact that Renovix is thin and resilient enables the clinician to elevate smaller flaps, leaving more of the periosteum and blood supply undisturbed for faster healing and less patient discomfort.

James Woodyard, DMD, MS, from Newburgh, Ind., made the following statement regarding his experience with Renovix: “The thinness and excellent tensile strength of Renovix allow me to create small tunnel incisions and tuck it under the tissue without tearing the membrane. With thicker membranes that I used in the past, I had to create large, full-thickness flaps, and many of the other thin membranes had a tendency to tear when I tried to tuck them.

“When I decrease the size of the flap elevated and exposure of bone, I decrease postoperative swelling, pain, bone loss and discomfort for the patient. The less invasive I can be, the less complications I have. I am extremely pleased with the results that I have seen when using Renovix.”

Renovix is available in three sizes and is individually packaged sterile for immediate use.

Many doctors like the 15-mm-by-25-mm size because it will typically fully cover a grafted extraction socket from the buccal to the opposing lingual plate, maintaining full coverage over the ridge.

This unique size reduces waste and saves money by often eliminating the need to select the next larger size.

Implant Direct offers new InterActive system

By Implant Direct Staff

With the introduction of the InterActive Implant System, Implant Direct’s portfolio of implant solutions featuring simply smarter design and industry compatibility has expanded to include a 12-degree conical connection that is compatible with NobelActive®.

This new system with four implant diameters (3.2, 3.7, 4.3, 5.0 mm), six lengths (6, 8, 10, 11.5, 13 and 16 mm) and micro-threads improves tissue attachment and increases stability, which aids in reducing crestal stress.

Three long cutting grooves facilitate self-tapping insertion while the rounded apex reduces risk of sinus perforation. Included in the all-in-one packaging is a cover screw, 2 mm extender/screws, healing collar, final abutment fixation screw and a fixture-mount.

References available upon request.
MEISINGER PRESENTS

5th ANNUAL HIGH ALTITUDE COMPREHENSIVE IMPLANT SYMPOSIUM
(Formally High Altitude Bone Management® Winter Camp)

Vail Mountain Marriott
January 28th – February 1st, 2015
Vail, Colorado, USA

Speakers:

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Dr. Istvan Urban
Dr. Sascha Jovanovic
Dr. Daniel Cullum
Dr. Scott Ganz
Dr. John Russo

Dr. Dwayne Karateev
Dr. Michael Block
Dr. Brian Butler
Dr. Robert Gellin
Dr. Robert Miller
Dr. Mona Sadrameli

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$1,695.00
Call Today!
DENTSPLY Implants offers comprehensive solutions for all phases of implant dentistry. SYMBIOS® is a full range of regenerative solutions including bone harvesting instrumentation, allograft, xenograft and synthetic bone-graft materials and membrane products. This complete product offering helps to deliver predictable clinical efficacy, biocompatibility, ease of use and safety you can rely on.

Partnering with the Musculoskeletal Transplant Foundation (MTF) allows us to provide dental allograft solutions of the highest quality. MTF’s industry-leading donor selection criteria standards exceed those set by the American Association of Tissue Banks (AATB), FDA and most tissue banks when it comes to screening for cancer, illegal drug use, maximum donor age and a host of other conditions.

Its sterility control measures provide for a higher level of safety. All tissue is aseptically processed in ISO 4 (certified) clean rooms, and processes are validated to prevent cross contamination.

As a readily available bone-grafting material, allograft solutions provide a stable framework for regeneration of bone without the morbidity associated with second surgical site.

Specific to dental implant treatment, the sufficient quality and quantity of bone play critical roles in the long-term success of treatment outcomes. In many cases, buildup of missing bone before or at implant placement is essential for establishing a sufficiently dimensioned osseous base for predictable osseointegration and ensured long-term function and esthetics.

SYMBIOS allograft solutions are available in different tissue forms, including demineralized and mineralized particulate and easy-to-apply putty for full flexibility in meeting the needs of each individual case.

**SYMBIOS Allograft Particulate**
Easy to handle and hydrate, SYMBIOS Allograft particulate integrates with natural bone to assist the body in regenerating its own bone by stabilizing the blood clot, maintaining space and providing osteoconduction and osteoinduction.

Available in a variety of options from mineralized cortical and cancellous powder to demineralized cortical powder, SYMBIOS allograft particulates can be used for a wide number of indications, including extraction sockets, bone augmentation, periodontal defects and sinus lifts.

- Safe; 100 percent bone particulate
- Easy to handle
- Three-year shelf life
- Convenient, ambient temperature storage

**SYMBIOS DBX Putty**
Demineralized Bone Matrix
With 93 percent by volume for the highest demineralized bone content available, SYMBIOS DBX® Putty offers exceptional handling characteristics when compared with other DBM products.

The high molecular weight of the sodium hyalurate carrier means the material maintains its physical integrity and resists movement under irrigation

**SYMBIOS PerioDerm Acellular Dermis**
For predictability in replacing, repairing and reinforcement of damaged and/or inadequate soft tissue, PerioDerm® Acellular Dermis has been shown to support the migration of host cells from wound margins and surrounding tissues. Benefits include:

- Quick rehydration (three–five minutes)
- Freeze-dried (no refrigeration required)
- More than 90 percent thickness consistency for uniform revascularization
- No cross-linking or compromise of the integrity of the dermal matrix

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**MAX ULTRA WIDE PLATFORM IMPLANTS**

- A multi-rooted extraction socket is often too large to accommodate a regular size implant.
- Often, use of standard dental implants requires bone grafting and delayed implant placement, lengthening the patients’ treatment time and adding costs. Additionally, single root placement might require surgical and prosthetic compromises. Keystone Dental has designed dental implant lines for specific indications.

Placement of the right indication-specific implant can shorten treatment time, reduce unnecessary surgical procedures and increase patient satisfaction. The MAX ultra wide platform implants allow for improved molar emergence profiles to reduce the size of gingival embrasure spaces and, therefore, reduce the potential for food impaction.

These implants are a clinical alternative that can predictably simplify procedures and increase patient satisfaction.

To see the MAX ultra wide platform implants, stop by the Keystone Dental booth, No. 108, here at the ICOI Summer Symposium.
Dentium World Symposium
Times Square, New York, NY
October 24–25, 2014

In Addition to Our World Class Speakers Dentium is Proud to Announce:

Two Exciting Opportunities!

POSTGRADUATE RESEARCH SPONSORSHIP
The "Postgraduate Research Sponsorship" is a forum for full-time postgraduate dental students interested in scholarly research in the area of dental implantology and related studies. The purpose of this sponsorship is to stimulate curiosity and encourage students to satiate it through research. Submit your research proposal to win $20,000 in research grant. An additional cash prize will be awarded of up to $2,000.

OPTIMAL CLINICAL CASE REPORT
The "Optimal Clinical Case Report" is a forum for all licensed clinicians who are actively practicing implant dentistry, while utilizing Dentium's products. The purpose of this project is to recognize excellence and to encourage clinicians to showcase their clinical cases with fellow clinicians. Submit your clinical case data (with a minimum of one year documentation and follow-up) to win up to $7,500 worth of Dentium products.

All selected cases will be published on the Dentium website, newsletter, and submitted for press releases through various dental news providers. All submissions must be received by Tuesday, December 16, 2014. The final results will be announced on Monday, February 16, 2015.

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PreXion’s digital treatment planning results in predictable patient outcomes

Edentulous patients can benefit from the integration of CBCT data

By Siamak Abai, DDS, MMedSc

The diagnosis of edentulous patients with the integration of cone-beam computed tomography (CBCT) data and digital treatment planning results in predictable treatment outcomes.

As the new standard of care turns toward technological advances with CBCT scans at the forefront, clinicians and patients benefit from ever increasing accuracy and minimally invasive procedures.

The PreXion CBCT scanner and treatment-planning software allow the clinician to properly diagnose and treatment plan edentulous patients based on the final restoration design. A preliminary diagnostic CBCT scan (Fig. 1) is beneficial to properly visualize in three dimensions the extent of bone loss and the prognosis of existing dentition.

When a patient presents with hopeless and non-restorable teeth, the proper treatment of extractions and fabrication of an ideal complete denture based on functional, esthetic and phonetic guidelines is completed.

Based on a dual-scan protocol (Figs. 2a, 2b), the final tooth position and prosthetic outcome is transferred onto a digital treatment-planning protocol. The treatment-planning software allows the clinician to propose the proper implant position based on anatomical limitations.

This data can be utilized to fabricate a surgical guide for guided implant placement, resulting in minimally invasive surgery, increased accuracy and faster healing and restorative times. A postoperative CBCT scan confirms the accuracy and final implant position (Fig. 3).

About the author

Siamak Abai, DDS, MMedSc, is a graduate of Harvard University’s Advanced Graduate Prosthodontics program with a master’s degree in oral biology and prosthodontics. He received his DDS from Columbia University College of Dental Medicine, followed by two years of advanced education in general dentistry training at the Columbia University Medical Center. Abai practices implant, esthetic and reconstructive dentistry at the W-Clinic in Newport Beach, Calif. He serves as a lecturer and clinical attending at the UCLA School of Dentistry’s Advanced Graduate Prosthodontics program.
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