The COI’s Summer Implant Prosthetic Symposium returns to Chicago in August. Photo/www.freeimages.com

The ICOI’s Summer Implant Prosthetic Symposium heads to a new site for its popular meeting

By Craig Johnson,
ICOI Executive Director

For years, the ICOI has held its Chicago Summer Implant Prosthetic Symposium at the Michigan Avenue Downtown Marriott hotel. Well, guess what? Our event has outgrown that property!

With the very welcome dilemma of increased attendees and vastly improved corporate support via exhibitors and sponsors at this and other ICOI events (ICOI now has a waiting lists for exhibitors at its meetings), the 2014 Summer Implant Prosthetic Symposium will be held at the Hyatt Regency McCormick Place Hotel & Convention Center.

While the host hotel will be the Hyatt Regency, the meeting, being held Aug. 21–23, will take place in the convention center, which is attached to the Hyatt.

ICOI President Dr. Jon Suzuki has designed a scientific program featuring 20 hours of C.E. credit with a theme focusing on “Implant Failures.” The international faculty will feature clinical reports from generalists, specialists, academicians and laboratory technicians with a primary focus on the restorative discipline, but with secondary emphasis on surgical placement and its issues.


Upon completion of this symposium, attendees will:
- Learn to properly assess patients and understand the essential components for thorough implant examinations.
- Compare the clinical survival rates of multiple implant treatment modalities.
- Review treatment solutions for surgical and prosthetic implant complications.
- Learn how important the treatment planning phase is to avoid problems.
- Review etiologies of peri-implant disease and treatment strategies for infectious dental implant complications.

See ICOI, page B6

Guided bone regeneration treats implant lesions

Oral implant surgery is complex and not without complications, one of which is an implant periapical lesion (IPL). If the lesion site becomes infected, it can lead to an abnormal growth, persistent inflammation and tenderness. However, a procedure that allows complete bone regeneration at the implant-related lesion site shows promise in treating the resulting bone defect and infection.

IPL develops rapidly after implant surgery and is treated with a second reparative surgery, in combination with antibiotic use. Surgeons have tried various treatments, such as using hand tools to enucleate the lesion, placement of bovine bone mineral to replace the diseased bone and using an enamel mixture to help strengthen the surrounding tissues. Results from these treatments have been mixed. Some treatments have been successful, while others resulted in the lesion progressing, and in others the implant was lost.

In a Journal of Oral Implantology case study titled “Active implant periapical lesion: a case report treated via guided bone regeneration with a five-year clinical and radiographic follow-up” surgeons reported on using guided bone regeneration (GBR) principles to completely remove the lesion and any subsequent infections. (The article is published in Journal of Oral Implantology, Vol. 40, No. 3, 2014, and full text is available at www.joionline.org doi/full/10.1563/AAID-JON-D-11-0024.)

A 45-year-old female presenting with a symptomatic left, first premolar was a candidate for dental implant treatment and scheduled for an immediate implant placement following tooth extraction. After surgery she was prescribed antibiotics. She was seen three months later because of pain at the implant site, which revealed a sinus tract related to the implant.

Additionally, there was a “soft spot” due to edema and bone loss. She was prescribed another course of antibiotics and returned in four days. At that time, a tetracycline paste was created and placed on the defect and around the implant for three minutes, then removed. In two months a...
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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 esthetics.

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.

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Osteogenics 2014 Global Bone Grafting Symposium boasts largest attendance and first time as 'sold-out'

By Osteogenics Staff

Osteogenics 2014 Global Bone Grafting Symposium was held April 3-5 at the Hyatt Regency Resort & Spa at Gainey Ranch in Scottsdale, Ariz., which marked the fifth global symposium hosted by Osteogenics Biomedical.

Distinguished as the first dental education meeting in the United States focused on bone grafting and treatment planning, this year’s program featured several bone-grafting topics, including a special focus on vertical ridge augmentation using GBR techniques. Considered by many to be the most difficult defect to predictably treat, vertical ridge augmentation was covered by four experts on the topic, including Dr. Massimo Simion, Dr. Marco Ronda, Dr. Istvan Urban and Dr. Sascha Jovanovic.

In addition to discussing patient selection, treatment planning, surgical techniques and materials, there were special discussions on flap management, preventing and handling complications, and soft-tissue grafting following augmentation. Additional bone-grafting topics included maxillary arch reconstruction, par- tial and completely edentulous patients by Dr. Michael Pikos, minimally invasive sinus elevation techniques by Dr. Daniel Cullum, the evidence for socket grafting and the histology of various graft materials by Dr. Brian Mealey and Dr. Gustavo Avila-Ortiz, and the meeting concluded with a lecture by Dr. Kirk Pasquinelli on the topic of soft-tissue manipulation and grafting around implants.

In addition, a treatment-planning session, led by the speakers and Dr. Thomas Wilson, was held each day.

The symposium was arguably the most successful in the history of the Osteogenics symposium next year with the same lecturers.”

Osteogenics plans to host its next Global Bone Grafting Symposium in the spring of 2016.

About Osteogenics Biomedical

Headquartered in Lubbock, Texas, Osteogenics Biomedical is a leader in the development of innovative dental bone grafting products serving periodontists, oral and maxillofacial surgeons and clinicians involved in regenerative and implant dentistry throughout the world.

Osteogenics offers a complete line of bone-grafting products including enCore® Combination and Mineralized Allografts, Cytoplast™ PTFE membranes, Cytoplast collagen membranes, Vitala™ porcine collagen membranes, Cytoplast PTFE suture and the Pro-Fix™ Precision Fixation System.
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

Cutting Edge of Grooves Face
Clockwise
• Three long grooves for self-tapping
  insertion vs reverse cutting grooves
  for removing implant

Apical 1/3rd Tapers 2°
• Slight body taper increases initial
  stability without over-compression
  and facilitates self-tapping insertion
  in dense bone

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

Reality Check
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fixture-mount that provides simply accurate impression:
taking as well as functions as a preparable abutment
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**IQity Impression Technique™**
- The ease of a closed-tray impression
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- 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 Bevel
  - 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.

**4 Diameters (mm)**
- 3.2
- 3.7
- 4.3
- 5.0

**2 Platforms (mm)**
- 3.0
- 3.4

**6 Lengths (mm)**
- 6
- 8
- 10
- 11.5
- 13
- 16

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3D Diagnostix announces official surgical guide compatibility with BioHorizons

By 3D Diagnostix Staff

3D Diagnostix, international leader in computer-guided surgery solutions, is proud to announce official 3DDX Surgical Guide support for BioHorizons’ computer-guided surgery kit and implant system.

The 3D Diagnostix research and development team has been working with BioHorizons to ensure maximum compatibility with its computer-guided system and offers to all BioHorizons users a surgical guide that features carefully engineered precision and ease of use.

The 3DDX “$200 Guide” entered the industry in 2013 and continues to raise the bar with ease of use, affordability and workflow accessibility. 3D Diagnostix Surgical Guides are made in Boston, utilizing state-of-the-art manufacturing technology. They are available at affordable prices, starting from $200, and offer bone, tooth and mucosa support.

3DDX Surgical Guides can be ordered either using 3DDX treatment-planning services or purchasing the all new coDiagnostiX 9 implant planning software, also available through 3DDX.

The BioHorizons guided surgery kit offers the precision and predictability of guided implant placement with a streamlined, single kit design. All components are color-coded to avoid the complexity seen with other systems while offering customers predictable implant placement for optimal esthetic outcomes.

For more information on 3DDX Surgical Guides, visit www.3ddx.com/codx.

About 3D Diagnostix, Inc.

3D Diagnostix started a digital CT scan conversion business for dentistry in 2005, supporting the CT imaging department for a leading dental school with 3-D reconstructions of oral maxillofacial cases. Since then, 3D Diagnostix has expanded beyond its Boston base, opening offices in the United Kingdom, Europe and the Middle East.

About BioHorizons

BioHorizons is committed to developing evidence-based and scientifically proven products. This commitment started with the launch of the Maestro implant system in 1997 and remains in full force with its recent launches, the Tapered Plus and Tapered 3.0 implant systems. For more information, visit www.biohorizons.com.
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 and treatment planning 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 post-operative 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 doctorate of dental surgery degree 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...
Sterngold now offers the ORA, the ball and o-ring attachment system

By Sterngold Dental Staff

Sterngold Dental is pleased to announce it now offers the ORA, the ball and o-ring attachment system. The ORA System is indicated for use with dental implants to support and/or retain removable dental prostheses in the treatment of partially or totally edentulous patients to restore chewing function. The abutment screws directly into endosseous implants or it screws into SFI Abutments, which are screwed into endosseous implants.

To order, call (800) 243-9942.

About Sterngold Dental

Founded in 1897, Sterngold Dental is a world leader in dental products and specializes in alloys, attachments, implants and restorative systems. Examples are the Stern ERA family of resilient dental attachments and the Natural Profile Abutment System for esthetic restoration of osseointegrated implants. Sterngold Dental is EN ISO 13485:2012+AC:2009 and ISO 13485:2009 (CMDCAS) certified, and it also complies with the European Medical Device Directive (93/42/EEC), FDA Quality System Regulations and MHLW Ministerial Ordinance No. 169. All products and procedures are closely monitored under these quality systems. Sterngold Dental’s implant products have full approval to market in the United States, Sweden and more than 20 other countries. For more information, visit www.sterngold.com.

Carestream partners with Zimmer Dental

Partnership offers clinicians hands-on experience with the CS 9300 Imaging System

Carestream Dental recently announced a partnership with Zimmer Dental Inc., a leading provider of dental oral rehabilitation products, and the Zimmer Institute, a world leader in the educational field of oral rehabilitation.

The partnership involves the placement of Carestream Dental’s CS 9300, an all-in-one extraoral imaging system that supports a wide range of clinical applications for different oral health specialties, at the Zimmer Institute located in Parsippany, N.J.

As a leader in implantology educational programs, the Zimmer Institute provides an interactive learning environment to enhance training. With four locations, the Zimmer Institute has served the needs of more than 6,000 clinicians globally during the last nine years.

Sharing the CS 9300 with the Zimmer Institute’s students gives them an advantage as they enhance and refine their skills.

“I remain extremely impressed with the Zimmer Institute facility and training capabilities,” Dr. Maurice Salama, an industry-leading dental implantologist who serves as an instructor at the Zimmer Institute, said. “The utilization of both high-tech mannequin and cadaver labs, along with Carestream Dental’s CS 9300 CBCT imaging system and software, provides a very dynamic and robust educational opportunity for all attendees.”

For more information about the Zimmer Institute, call (800) 854-7019 or visit www.zimmerdental.com.

For more information on Carestream Dental, call (800) 944-6365 or visit www.carestreamdental.com.
DENTAL IMAGING MADE EASIER

PreXion3D Eclipse includes the Prexion3D Viewer software

- Diagnose patients with more detail and clarity
- Present cases more confidently, increased acceptance
- Create the WOW factor with patients

Software Features

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- Load multiple patient scans on a single screen
- Synchronize pre and post operative scans and detect differences, slice-by-slice

3D Video Clip Maker
- Quickly capture 3D animated video clips for patient education, case acceptance and lecture presentations
- Increase case acceptance through better patient understanding
The transitional crown was placed, with placement of the final six months later. At the subsequent one-month, two-month, six-month, one-year and five-year appointments, no pain was reported, and complete bone fill in to the previous lesion area was stable.

IPL is a rare disorder, affecting approximately 0.26 percent of the population receiving implants. There are varying reasons for its cause, and it can sometimes be misdiagnosed or confused with retrograde peri-implantitis.

The combination of antibiotics and GBR principles has shown to be an effective way of treating IPL, keeping the implant intact and creating a complete bone fill at the lesion site. This case study appears to be the first of its kind, so further research will be needed to confirm findings.

(Source: Journal of Oral Implantology)

Henry Schein Dental announces launch of Henry Schein Dental Surgical Solutions

Henry Schein Dental, the global dental business of Henry Schein, Inc (NASDAQ: HSIC), the world’s largest provider of health-care products and services to office-based dental, animal health and medical practitioners, has announced the launch of Henry Schein Dental Surgical Solutions.

The group will specialize in providing a comprehensive package of specialty products and services, as well as innovative and personalized business solutions, to oral and maxillofacial surgeons and periodontists, according to the company.

Henry Schein Dental created a dedicated sales team to help oral and maxillofacial surgeons and periodontists bring their practices to higher levels of clinical and business success by serving as a full-service resource for all practice needs, enabling specialists to simplify their point of purchase.

"The Henry Schein Dental Surgical Solutions team understands the demands of a dental surgical practice and is trained to address surgical specialists’ unique needs," said Maritza Alford, national director of sales, Henry Schein Dental Surgical Solutions. "We have a robust portfolio of products that an oral surgery or periodontal practice needs to maintain and grow its business, and our team is focused on supporting surgical specialists, such as oral surgeons and periodontists."

Instead of buying pharmaceuticals from one company, implants from another and surgical equipment from a third, Henry Schein Dental Surgical Solutions will offer a complete suite of services, including pharmaceuticals, equipment and technology, implants, bone-grafting materials, consulting services, financing options for practitioners and patients and many other products. Surgical specialists will be able to purchase all their products from field sales representatives, called Surgical Solutions Consultants (SSC). The Surgical Solutions Consultants are experienced in surgery and implant dentistry and have an in-depth understanding of surgical procedures and a referral-based practice.

In addition to supporting the full scope of a surgical practice, Henry Schein Dental Surgical Solutions empowers specialists with innovative and personalized business solutions that make a measurable difference for the specialist and their referrals, according to the company.

Henry Schein Dental Surgical Solutions is led by a team of executives with many years of experience in the implant and dental industry. The team includes:

- Dr. Neil Park, general manager, with more than 20 years of implant industry experience;
- Maritza Alford, national director of sales, who brings 19 years of dental experience in sales and leadership roles;
- Kerri Leslie, senior marketing manager, with nine years of experience from the medical field;
- Robert Riley, director of training and technical services and a certified dental technician (CDT), has extensive experience that includes key positions in the implant and orthodontic industries.

About Henry Schein Inc.

Henry Schein Inc. is the world’s largest provider of health-care products and services to office-based dental, animal health and medical practitioners. The company also serves dental laboratories, government and institutional health care clinics and other alternate care sites. A Fortune 500® Company and a member of the NASDAQ 100® Index, Henry Schein employs nearly 17,000 Team Schein Members and serves more than 800,000 customers.