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.

ICOI symposium: Summer in Chicago

The ICOI’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!

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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 infectious. (The article is published in Journal of Oral Implantology, Vol. 40, No. 3, 2014, and full text is available at www.joiolinelibrary.org/joiolnline.org/doi/full/10.1563/AAID-JOI-D-11-00214.)

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. She was seen three months later because of pain at the implant site, which revealed a sinus tract related to the implant:

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

See LESIONS, page B10
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 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.
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 to predict and 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, partial and completely edentulous patients by Dr. Michael Pikos; minimally invasive sinus elevation techniques by Dr. Daniel 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 day before the symposium, there were optional hands-on workshops, which included the following topics: vertical ridge augmentation using GBR techniques, clinical guidelines and surgical techniques for implant site development and state-of-the-art sinus elevation and grafting techniques.

During the past five years, the symposium has grown from 150 attendees to six different countries in 2009 to a sold-out 500 attendees from 15 countries and 44 of the 50 states in 2014. Limited to 500 participants, this year’s event marked the first sell-out in the symposium’s history.

This symposium was arguably the most successful in the history of the event, and the event organizers added: “I felt that the caliber of presentations — from the quality of the images, videos and statistical analyses, to the manner in which each presenter shared materials and fielded questions — was among the finest I have enjoyed in my 28 years as a periodontist. The quality of the presenters, without exception, was in my opinion, the finest available in the world. I would have no qualms attending another 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 membrane, 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

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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 S8M, $250 S8Active™ surface

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InterActive implants compatible with NobelActive™ Biolock abutments up to 10° angulations, NobelFit™ titanium, capable of 360° and 15° angled fixtures abutments.

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NobelActive® Compatible Conical Connection\(^1\) with Significant Design, Surgical, Packaging and Price Advantages

**IQity Impression Technique\(^{\text{TM}}\)**
- 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 Bevel\(^2\)**
- 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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*Reality Check Savings*
- Nobel Biocare\(^{\text{TM}}\) price
- Implant Direct price
- $107 vs $227
- $109 vs $194
- $95 vs $195
- $132 vs $232
- $103 vs $223
- N/A vs N/A
- $161 vs $281
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 3DDX 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. 3DDX 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.