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 systems can be purchased individually or as a complete package. The integrated system offers the ability to access and easily review, plan and approve the case. The MGUIDE software allows the clinician to have the position of the implant altered. Once the surgical plan is approved, a customized surgical stent is designed and manufactured using the latest 3-D printing technology. The surgical stent is packaged with the appropriate implants and usually shipped two days after final approval. The doctor does not purchase the MGUIDE software. With the MGUIDE system, you pay for each stent on a case-by-case basis (or a multi-case package can be purchased).

Here at the MCENTER

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.

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.

From edentulous to temporaries in just a few steps
**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
- Easily Cut & Shape To Your Desired Size

*Compare To Ossix™ Or Bio-Gide®*

Ossix™ is a registered trademark of Johnson & Johnson
Bio-Gide® is a registered trademark of Geistlich

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**Socket Graft Without Primary Closure**

**Salvin Renovix®** + **OraGRAFT® Mineralized Cancellous**

- 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*
NEW!

InterActive™

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

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

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 SBAactive™ 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 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

| Diameter (mm) | Nobel Biocare™ price | Implant Direct price
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Reality Check Savings
$107          $109          $95          $100          $103          $40          $235          $281
$120          $85          $100          $120          N/A          N/A          $135          $161
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 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.

Renovix membranes remain stiff, even after being hydrated, making it difficult to manipulate during surgery. Other membranes have no memory and resemble wet tissue paper, making it extremely difficult to manipulate during surgery.

**Here at the ICOI**

If you would like more information about Renovix or would like to give it a try, visit the team of experts at the Salvin Dental booth, Nos. 306/308. You can also check out the product video on www.salvin.com or speak to a sales representative at (800) 535-6566.

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Collagen membrane a great fit for pre-implant grafting procedures

By Implant Direct Staff

**Implant Direct offers new InterActive system**

- 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 a range of prosthetic options offers several design advantages to simplify both surgical and restorative procedures.

**Elastic handling of the Renovix membrane. (Photos/Dr. Steve Wallace)**

**Renovix membrane conforms to the surgical site when hydrated.**

**Renovix is available in three sizes. (Photo/Provided by Salvin Dental)**

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References available upon request.

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Implant Direct offers new InterActive system

**Here at the ICOI**

For more information on the InterActive Implant System, stop by the Implant Direct booth, Nos. 310/312.

The InterActive implant design incorporates several features, including flat-based buttress threads. A combination of micro-grooves 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 extended healing collar, final abutment fixation screw and a fixture-mount.

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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:

Dr. Michael Pikos
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. Mitra Sadrameli

Pre-registration Going on NOW!
$1,695.00
Call Today!
SYMBIOS offers solutions for regenerative needs

By DENTSPLY Implants Staff

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 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

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.

World Class Speakers

Dr. Jaime Lozada
Dr. Stephen Wallace
Dr. Hessam Nowzari
Dr. Frank Tumminelli
Dr. Joseph Kani
Dr. Sung-Min Chung
Dr. Myron Nevins
Dr. David Kim
Dr. Dennis Tarnow
Dr. Georgious Romanos

For more Information, please visit www.dentiumworldsymposium.com Email: seminar@dentiumusa.com Contact: 1-877-304-6752 ext.202
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.

PreXion’s digital treatment planning results in predictable patient outcomes

Edentulous patients can benefit from the integration of CBCT data

Here at the ICOI

For more information on the PreXion CBCT scanner and treatment-planning software, visit the PreXion booth, Nos. 616/618.

Fig. 1: Preliminary diagnosis. (Photos/Provided by Dr. Siamak Abai)

Fig. 2a

Fig. 2b: Dual scan protocol.

Fig. 3: Postoperative CBCT scan.

Edentulous patients can benefit from the integration of CBCT data