Thirty years ago when I started placing dental implants, the highly specialized therapy was in its infancy. At that time, implant dentistry was performed by an oral surgeon-prosthodontist team, and general dentists were not involved at all except as a referral base.

What a difference a few decades make. Today, implant dentistry has developed into a standard of care, and professionals involved in the specialty include not only oral surgeons and prosthodontists, but also periodontists and, increasingly, general dentists.

The therapy also is more widely available than ever before. While this evolution has brought many positives for the specialty and for patients, it also has created some challenges.

As implant dentistry has become increasingly mainstream, training is highly variable — ranging from comprehensive, in-depth instruction to weekend courses. Those of us who specialize in the field have seen the catastrophic failures that can occur when someone is not properly trained — and we are often left to do the reconstruction. Improperly placed implants can get infected — or worse — and these types of scenarios can contribute to an undeserved negative public image for implant dentistry.

It’s important that specialists and general dentists involved in implant dentistry work together to represent the field in the best light possible. As implant dentistry grows in popularity, we must ensure that those offering implant reconstruction to their patients have the training and background to provide excellence in their care.

It is also critical to follow evidence-based clinical guidelines focused on achieving the best possible patient outcomes.

**Advancing the vision of implant dentistry**

As the president of the Academy of Osseointegration (AO), I strongly support our mission “to advance oral health and well-being globally by disseminating state-of-the-art clinical and scientific knowledge of implant dentistry and tissue engineering and by defining expertise in the field.”

AO is taking a multi-pronged approach to achieving this goal and advancing the vision of implant dentistry through:

- Our “Guidelines for the Provision of Dental Implants and Associated Patient Care” (more on that later in this article)
- The Academy of Osseointegration Annual Meeting, which takes place this year

**AO Annual Meeting**

- **WHAT:** Academy of Osseointegration 29th Annual Meeting
- **THEME:** ‘Real Problems, Real Solutions’
- **WHEN:** March 6-8
- **WHERE:** Seattle
- **TO VIEW PROGRAM AND REGISTER ONLINE:** [www.osseo.org](http://www.osseo.org)

**As dental implants grow in popularity, evidence-based clinical guidelines are more important than ever. The Academy of Osseointegration’s guidelines for safe and effective implant dentistry are focused on achieving optimal patient outcomes.**

*Photos/Provided by the Academy of Osseointegration*
AAID president-elect named vice dean at Harvard School of Dental Medicine

After an extensive nationwide search, AAID President-Elect John Da Silva, DMD, MPH, ScM, AAIAID, has been named vice dean at Harvard School of Dental Medicine. Dean Bruce Donoff stated that Da Silva’s “extensive institutional knowledge and experience in HSDM’s three focal areas — research, education and patient care — will be of great value as HSDM continues its strategic planning process.”

Da Silva serves on the board of trustees of the American Academy of Implant Dentistry and is currently the president elect. He is also chair of the Bylaws Committee and serves on the Education Oversight and Nominating committees. He has received widespread recognition during his academic career, including being named an honored fellow of the American Academy of Implant Dentistry and receiving the HSDM Distinguished Junior Faculty Award.

He has published numerous journal articles and lectured nationwide. Da Silva has made major contributions in research and the area of color science. He has also been involved in curricular changes to improve content on substance-abuse screening and brief interventions.

Da Silva was born in New York City and attended Williams College as an undergraduate. He received his dental degree from the Harvard School of Dental Medicine and attended Williams College as an undergrad. He received his dental degree from the Harvard School of Dental Medicine and his MPH degree from the Harvard School of Public Health. He later returned to the School of Public Health and received an ScM in health policy and management.

Da Silva completed specialty training in implant dentistry and prosthodontics at HSDM in 1992. He has been a faculty member there since 1999.
A TURNKEY PRACTICE MARKETING PROGRAM DESIGNED SPECIFICALLY FOR OVERDENTURES

**INPLACE** HELPS YOU ATTRACT NEW OVERDENTURE PATIENTS AND GAIN TREATMENT ACCEPTANCE

Attracting new patients to your practice can be challenging. Gaining treatment acceptance during the patient consultation can be equally as challenging. ZEST Anchors can help you meet these challenges with InPlace – a turnkey marketing program that is specifically designed for overdenture patients.

The InPlace Program consists of a variety of print and electronic promotional and educational elements, including a patient focused website, [teethinplace.com](http://teethinplace.com), where patients can search for an InPlace Clinician in their area.

InPlace provides you with the marketing elements you need to attract patients to your office, educate them on the benefits of implant-retained overdentures and ultimately treat more overdenture patients.

Start attracting new overdenture patients to your practice today. To learn more, please visit [www.zestanchors.com/inplace/30](http://www.zestanchors.com/inplace/30) or call 800.262.2310.

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Study: Improved implant surface and hygiene boost restoration success

Should a person’s teeth be saved at all costs? During the last decade, the answer has shifted from yes to no in favor of replacing diseased and damaged teeth with implants. But treatment of patients with periodontitis, inflammatory disease of ligaments and bones supporting teeth remains controversial because artificial tooth roots are more likely to fail.

A recent article in the Journal of Oral Implantology looks at long-term treatment for a patient with severe periodontal damage. The authors anticipate that the higher risk of implant failure in this patient will be offset by coating the implants with a rough, oxidized surface called TiUnite and by emphasizing the need for diligent oral hygiene. They also expect that by using overdenture prostheses instead of conventional removable dentures, they will improve stability and function — and thus patient satisfaction.

Overall, increased use of implants has improved eating comfort and resulted in few complications after the surgery. However, pressure on implants is suspected to speed up loss of dense cortical bone in the jaw. Research has shown the TiUnite material stimulates bone growth, leading to faster fusion of implants and surrounding jawbone.

The current article is a case report on a 51-year-old patient who had been in a motorcycle accident and has a history of herpes, hepatitis, insulin-dependent diabetes and persistent recurrent tooth decay. The patient’s remaining teeth were composed of fractured crowns and older failing implants.

The surgeons removed all of his teeth and old implants followed by the immediate insertions of new implants and stabilizing overdentures. Provisional implants were used for support during healing. Five months later, the interim provisional implants and prosthesis were removed and fabrication of a final restorative prosthesis was initiated.

Despite the higher risk of implant failure because of his periodontal disease and diabetes, the patient’s implants have been in place for 12 years with no complications noted at routine check-ups and cleanings. The patient has been instructed post surgery in proper use of floss threaders, deep-cleaning brushes and an oral irrigator. His daily efforts to practice good oral hygiene improved his overall dental health. The patient was pleased with the results one week after the provisional implants were placed and was still happy with the surgery 12 years later. Little care and maintenance of the prostheses have been necessary.

The authors concluded that in this case the prostheses have been effective, predictable, and reliable. They contend that such positive results were only possible because the patient changed his at-home oral care preventing plaque buildup and disease.


About Journal of Oral Implantology

The Journal of Oral Implantology is the official publication of the American Academy of Implant Dentistry. It is dedicated to providing valuable information to general dentists, oral surgeons, prosthodontists, periodontists, scientists, clinicians, laboratory owners and technicians, manufacturers and educators. The JOI distinguishes itself as the first and oldest journal in the world devoted exclusively to implant dentistry. For more information about the journal or society, visit www.joionline.org.
Let our new products tackle your toughest procedure

IA-400

Mini LED +

Now available from your dental supplier or via wh.com/na
Planmeca makes strategic investment in E4D Technologies

Planmeca, the world’s largest privately owned dental imaging company and equipment manufacturer, announced recently that it has made a non-controlling, strategic investment in E4D Technologies, LLC, developer of the E4D CAD/CAM Restorative System.

This strategic investment reinforces Planmeca’s ongoing commitment to help dental providers improve patient care by offering a comprehensive portfolio of integrated digital dental solutions for dentists and dental laboratories. Planmeca will co-develop CAD/CAM products with E4D Technologies and offer these products in North America under the brand names Planmeca PlanScan-E4D Technologies and PlanMill-E4D Technologies. Henry Schein Inc. will continue to be the exclusive distributor in the United States, Canada, Australia and New Zealand.

In addition, Planmeca will expand distribution of the E4D system to more than 120 additional international markets under the Planmeca PlanScan and PlanMill brands. In certain other markets, the E4D brand will remain in use.

Planmeca’s investment in E4D Technologies offers us an opportunity to grow our company globally,” said Dr. Gary Severance, chief marketing officer for E4D Technologies. “In addition, Planmeca has been a market leader in extra-oral digital imaging for many years, and we look forward to furthering the seamless integration of our CAD/CAM platform with the additional digital solutions offered by Planmeca. Our customers will benefit from the combination of these unique and innovative products and services.”

Under the new agreement, Planmeca joins the partnership of Henry Schein and Ivoclar Vivadent, which have been strategic equity partners in E4D Technologies since 2007, along with certain members of E4D Technologies’ senior management team.

About Planmeca Oy, Planmeca Group
Planmeca Oy is one of the world’s largest dental equipment manufacturers with products distributed in more than 120 countries worldwide. Headquartered in Helsinki, Finland, the company is a global leader in many fields of dental technology, with a product range covering digital dental units, world-class 2-D and 3-D imaging devices and comprehensive software solutions. Planmeca is also the largest privately held company in the field of dental equipment, with a strong commitment to pioneering in-house research and development and design. More information is available at www.planmeca.com.

About E4D Technologies
Headquartered in Richardson, Texas, E4D Technologies is a high-tech medical device company focused on 3-D digitizing applications, successful entrepreneurship and commercialization of new technologies. The company has taken the dental profession to a higher level of productivity, patient comfort and convenience with its E4D CAD/CAM restorative systems and restorative software solutions for dental offices, laboratories and teaching institutions. More information is available at www.e4d.com.

About Henry Schein Inc.
Henry Schein Inc. (NASDAQ:HSIC) 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 16,000 Team Schein members and serves nearly 800,000 customers. For more information, visit the Henry Schein Web site at www.henryschein.com.

About Ivoclar Vivadent
Ivoclar Vivadent, headquartered in Schaan, Liechtenstein, is one of the world’s leading manufacturers of innovative material systems for high-quality dental applications. The company’s success is based on a comprehensive portfolio of products and systems, strong research and development capabilities and a commitment to training and further education. The company has wholly owned subsidiaries in 24 countries, and it employs more than 3,000 people worldwide. More information is available at www.ivoclarvivadent.com.
Popcorn kernels, hard candy or ice ... no worries!

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**Full-Arch Implant Prosthesis**

$2,795*  
Includes all components

“Our toughest implant-supported restoration ever!

Go online to [www.bruxzir.com](http://www.bruxzir.com) to view or download the step-by-step clinical protocol

“It’s better because it’s BruxZir.”

**Flexural Strength**

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prismatic Clinical Zirconia™ 1200</td>
<td>1200</td>
</tr>
<tr>
<td>IPS e.max® Press 400</td>
<td>400</td>
</tr>
<tr>
<td>BruxZir® Solid Zirconia™ 1465</td>
<td>1465</td>
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Lithium disilicate ceramic has 400 MPa while zirconia materials exhibit a flexural strength of more than 1200 MPa. However, because of post-powder processing, BruxZir Solid Zirconia exceeds the strength threshold, with flexural strengths up to 1465 MPa.

1. Glidewell Laboratories Internal data
2. Clinicians Report, TPAC Research, June 2012

- **STRENGTH**: Solid zirconia — no porcelain overlay, denture teeth or acrylics, just 1,465 MPa BruxZir Solid Zirconia
- **DURABILITY**: No color changes, no odor absorption, no metal frame
- **BIOCOMPATIBILITY**: Solid zirconia is hypoallergenic and has been shown in clinical studies to be wear compatible with enamel
- **7-YEAR WARRANTY**: If material damage occurs, a free replacement is provided from the stored digital design data

*Price does not include multi-unit abutments, shipping or applicable taxes.

For more information

888-786-2177
www.glidewelldental.com
March 6–8 in Seattle, as well as our other educational and professional initiatives such as regional training and consensus conferences. We offer continuing education and actionable advice for all clinicians who perform implant dentistry. AO told, AO comprises 6,000 members from 70 countries, including periodontists, oral surgeons, prosthodontists and general dentists.

Our role as a nexus where specialists and general dentists come together to share best practices and coordinate optimal patient care. Whether general dentists are performing dental implants, referring to specialists or performing long-term maintenance, they are part of the care team and should be knowledgeable about implant dentistry.

AO clinical guidelines
AO published in 2008 its first set of clinical guidelines focused on dental implants. The purpose of the guidelines was to establish guidance based on the provision of patient care. The American Academy of Osseointegration (AO) published in 2006, Consensus Conference on the State of the Science on Implant Dentistry. In 2010, AO updated the guidelines to provide an update and expansion of its recommendations for safe and effective implant dentistry. The Academy’s “Guidelines for the Provision of Dental Implants and Associated Patient Care,” which were published in JOMI, are available to download in their entirety via AO’s home page at www.osseo.org.

• Highlights of AO’s guidelines include:

  • Training: Whether a specialist or general dentist, AO is determined to underline the importance of adequate training in the surgical and/or prosthodontic aspects of implant placement. Guidelines now exist through monospecialty training programs, as well as a wide variety of courses offered through institutions both in the United States and abroad, and by private individuals and companies.

  • Treatment:
  • Notes on the need to distinguish an adequate and optimal periodontal maintenance program from oral surgeon, prosthodontists and general dentist(s). In the case of a team approach, the prescription of implants is a requisite component of treatment planning.
  • Prosthodontic considerations: The importance of the selection and placement of the prosthesis have to be considered during the treatment planning phase. The restoration plan should be based on a well-planned surgical treatment plan. The prosthodontic treatment plan should be as realistic as possible, considering the bone availability and the soft tissues.

  • Maintenance:
  • Notes on the importance of adequate training in the ongoing maintenance of the restorative team (i.e., surgeon and/or prosthodontist and general dentist) as to whether one or both members of the team will have been taken in light of all other prosthetic considerations — including an evaluation of the pre-existing condition of the mouth adjacent to edentulous spans, alternative methods of tooth replacement, and the condition of the soft tissues which may be critical to the anticipated results.

  • Management of implant and peri-implant tissues: Periodic evaluation of implants is a requisite component of patient care.

Full copies of the Academy of Osseointegration’s guidelines are available for download at www.osseo.org.

1. Understanding Implant Dentistry
2. Patient Selection: Patient Education, Exclusion, and Inclusion Criteria
3. Implant Dentistry: Indications, Contraindications, and Risk Assessment
4. Implant Dentistry: Surgical Procedures
5. Implant Dentistry: Prosthetic Considerations
6. Prosthodontic Considerations: Implant Dentistry is a Restoratively Driven Therapy
7. Maintenance of Implant Dentistry
8. Functional and Esthetic Acceptable Tooth Replacement
9. Outcomes Assessment
10. Cost
11. AO’s Role as a Nexus Where Specialized and General Dentists Meet
12. AO’s Focus on Evidence-Based Recommendations

The Academy of Osseointegration (AO) published in 2008 the Guidelines for the Provision of Dental Implants. The purpose of this document was to establish guidance based on the provision of patient care. The American Academy of Osseointegration (AO) published in 2006, Consensus Conference on the State of the Science on Implant Dentistry. At mini-
No software investment
Live one-on-one web conferencing with a MCENTER specialist puts you in control of your case through shared screen technology.

Surgical Kits
Innovative keyless instrumentation allows for simple access and versatility for a fully guided procedure.

FOR THE ULTIMATE GUIDED PROCEDURE
MAKE IT SIMPLE
MCENTER USA is proud to announce MGUIDE, our virtual implant planning and guided implantology system designed to enhance simplicity, accuracy and safety. This efficient system combines modern 3D implant planning with an innovative surgical template and unique keyless surgery kit. The result is a simple guided implantology procedure that benefits the clinician and the patient. To learn more, visit our website: www.mccenterusa.com or call us: 866-797-1333 (toll-free)
Roland DWX-4 Compact Dental Mill receives 3M ESPE’s Lava Ultimate Restorative Certification

Roland DGA Corp. has announced that its new DWX-4 compact dental mill has been qualified by 3M ESPE for use with the company’s Lava Ultimate Restorative resin nano ceramic material.

Featuring precise milling capabilities, ease of use, bundled CAM software and a compact, desktop footprint, the affordable DWX-4 is Roland’s second dental mill to receive the certification. In September, 3M ESPE qualified Roland’s award-winning DWX-50 5-axis dental milling machine for use with the innovative new material, making it one of the industry’s first open-architecture mills to earn the certification.

“Lava Ultimate Restorative is a remarkable new material that helps expedite production while achieving highly durable, exceptional quality results,” said Brian Brooks, product manager for Roland DGA Corp. “We are pleased to work with 3M ESPE to bring all the benefits of this combined solution to labs everywhere.”

“A resin nano ceramic material that offers patients excellent esthetics and outstanding strength, according to Roland, Lava Ultimate Restorative can be finished without firing — highly reducing production time. The material is designed for long-term durability and is backed by a 10-year warranty. Patients experience less wear to the opposing dentition than with glass ceramics and a tooth-like bite feel because of its excellent absorption of chewing forces.

“Dental labs have told us that they want access to 3M ESPE materials from a variety of milling systems,” said Kristan Chesnut, global business director with 3M Digital Oral Care. “By qualifying Lava Ultimate Restorative with Roland’s DWX-50 and DWX-4 milling machines, we bring high-quality materials with more efficient and productive workflows to dental labs.”

Roland offers a new DWX-4 compact dental mill. Photo/Provided by Roland DGA Corp.
A Legacy of Innovation

Legacy™4 Implant

All-in-1 Packaging includes implant, fixture-mount, abutment, transfer, cover screw & healing collar — $225 SBM, $250 HA surface

Torque-safety feature prevents damage to implant interface

Square top detaches with impression for metal to metal transfer accuracy

Two-Piece fixture-mount (patent pending) with preparable abutment

Concave transgingival profile matched with healing collar to shape soft tissue for improved esthetics

Quadruple-lead micro-threads

Progressively deeper buttress threads

Three long cutting grooves

Legacy 4 – the culmination of 30 years of evolution
Introducing a revolutionary 2-piece fixture-mount/abutment that provides the accuracy of an open-tray transfer with the simplicity of a closed-tray transfer.

Square top detaches with the impression, providing a snap attachment for abutment/analogue.

The abutment portion of the fixture-mount snaps onto the transferred top for the accuracy of a metal-to-metal connection

AO Annual Meeting
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Legacy™ 6mmL Implants
Short in Length, Long on Stability

Reality Check
Bicon® Customers
Save up to $317 with Legacy3
$200 vs. up to $5177 from Bicon®

Reality Check
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$200 vs. $7260 from Straumann®

Legacy™ 6mmL Advantages:

Industry-Compatible Internal Hex Connection (Niznick US. Pat. #4,960,381)
Provides a secure, anti-rotation implant-abutment junction

More Choices
Six widths (3.7, 4.2, 4.7, 5.2, 5.7 or 7.0mm)
Two surface options (SBM or HA)

Tapered Body with Double-Lead, Self-Tapping Threads
Speeds insertion while enhancing initial stability

Quadruple-Lead Micro-threads (Niznick US. Pat. #7,677,891)
Reduces crestal bone loss

Greater Surface Area
Increases stability and load-bearing capacity

All-in-1 Packaging
Three Packaging Options - each with Cover Screw and 2mm Healing Collar

Legacy2: $175 Fixture-mount is transfer and can be sectioned for use as temporary abutment
Legacy3: $200 Fixture-mount is transfer and can be sectioned for use as final preparable abutment
Legacy4: $225 2-Piece Fixture-mount is super-accurate transfer and final preparable abutment

Joining the Legacy Family for the Widest Range of Dimensional Options

7 Diameters (mm)
3.2 3.7 4.2 4.7 5.2 5.7 7.0

6 Lengths (mm)
6 8 10 11.5 13 16

www.implantdirect.com | 888-649-6425
Immediate molar extraction sockets pose real problems for standard dental implants

By Keystone Dental staff

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.

Photos/Provided by André Hattingh, MChD (OMP), BChD (Pret)

New company to offer innovative dental products

A new dental products company, S-R Tek, LLC, headquartered in Delaware, has been formed to sell innovative and improved versions of products currently used by dental professionals.

These will include high- and low-speed handpieces and other small equipment normally found in the operatory. S-R Tek products will be sold only through authorized dental distributors in the United States and other countries.

S-R Tek will launch its first products in 2014. The company plans to have a booth at the California Dental Association meeting in Anaheim in late May. The company’s initial product offerings will be on display at the show.

S-R Tek will be managed by Daryl Reynolds and Joe Sakaduski, dental industry veterans who have a combined 60 years of experience in the dental industry.

For more information on S-R Tek and its products, call (877) 236-4410 or go to www.s-tek.com.
Join the EVolution

The new
ASTRA TECH Implant System™ EV
– now available

The foundation of this evolutionary step remains the unique ASTRA TECH Implant System BioManagement Complex, well-documented for its long-term marginal bone maintenance and esthetic results. www.dentsplyimplants.com
MIS Implants poised for growth in 2014 with new products, team

By MIS Implants Technologies staff

Since establishing the U.S. distributorship of MIS Implants Technologies more than 10 years ago, CEO Motti Weisman has led the company to experience significant growth year after year. This year, however, is one with even greater potential as the company expands with new products and a growing team of outside sales representatives.

One of the most exciting innovations that the company launched recently is the MGuide guided surgery system. It has already received enthusiastic reviews by the doctors who have used this service, according to MIS.

There is no initial investment in software, as it does not need to be purchased. The planning is done by the doctor and MCenter technicians. The doctor provides specific digital files and impressions or stone models. This data is transferred to the advanced MGuide software, and a phone appointment is then scheduled between the doctor and the MCenter technician.

At this time the technician “shares” his computer screen so the doctor can direct the planning process. Once the plan is approved, the surgical stent is then manufactured in-house in a state-of-the-art 3-D printer. Metal sleeves are attached, and the case is ready to be shipped.

The MGuide surgical stent is unique in a number of ways, MIS says. The stent is designed to be as open as possible to facilitate improved visibility and irrigation. Also, there are no “keys” through which the osteotomy is traditionally created. Instead, those metal sleeves are preset to the precise height to achieve the predetermined depth of the osteotomy.

The implant itself can also be placed through the stent, if the clinician desires. Without those keys, there is greater access to the posterior section of the mouth. Additional information and videos can be seen at www.mcenterusa.com.

The MIS regenerative portfolio has also recently grown. Partnering with TissueNet of Orlando, Fla., MIS has now added allograft products that include cortical cancellous and cortico/cancellous products. These are packaged in vials ranging from 25 cc (perfect for a single small tooth extraction) to 5 cc in volume. There are also xenografts as well as synthetic products in its globe line.

The BondBone product, a unique bi-phasic calcium sulfate grafting material, is composed of a proprietary combination of hemihydrate and dehydrate calcium sulfate powder. Pre-set seed particles allow it to set in the mouth without being affected by blood or saliva. It can be used as a standalone product or as part of a composite graft with other granular grafting materials. When used in the latter manner, it acts like a cement, binding the normally transient particles to the recipient site.

The MIS sales force also saw expansion during the past year as new territories were added in multiple states. Along with new field representatives, the sales management team has also grown.

Three new regional managers have been added to oversee their local representatives. All regional managers came to the company with strong dental implant management experience and are an excellent resource for the newer as well as experienced reps. The管理人员 as well as several of the newer reps have already successfully completed training in Israel as well as training in the U.S. corporate offices.

MIS Implants Technologies is first and foremost a dental implant company. Its flagship Seven system continues to benefit doctors by offering a high-quality product with a wide variety of restorative options. Single, multi-unit, custom abutments and more are all options with this system.

Newer to the MIS family of implants in the C1 system. This features a conical connection and platform switching. Simplicity is key for all MIS products and the C1 with its simple surgical kit is no exception.

MIS products are sold globally in more than 60 countries, making it one of the largest dental implant companies in the industry. With a state-of-the-art manufacturing and research and development facility in Israel, MIS is poised to continue to increase its market share with new and innovative products.

Weisman is dedicated to offering excellent products and service. As MIS’ team has noted. It is no wonder that a company with his leadership is on such a growth trajectory. Please visit www.misimplants.com to learn more.

Sterngold offers Guide Pins for All-on-4 Technique

By Sterngold Dental staff

Sterngold Dental is pleased to announce it now offers Guide Pins. The traditional laboratory procedures for the All-on-4® technique utilize the multi-unit abutment. Many technicians use a 15 mm Guide Pin in the multi-unit abutment during fabrication. However, some companies require you to buy an open tray impression coping for the multi-unit abutment in order to get the 15 mm Guide Pin.

Sterngold Dental offers its 15 mm Guide Pin sold separately in packages of 25.

If you are a technician who uses the All-on-4 technique frequently, buying Sterngold’s Guide Pins may provide a significant savings. To order call (800) 243-9942 or visit www.sterngold.com.

About Sterngold Dental

Founded in 1897, Sterngold Dental, LLC, 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 and ISO 13485:2003 under CMDMA certified and it also complies with the European Medical Device Directive (93/42/EEC). FDA Quality System Regulations, CGMP 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.

Sterngold offers Guide Pins for All-on-4 Technique separately in packages of 25.

Photo/Provided by Sterngold Dental
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

Multi-Data – PreXion Exclusive!

- 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
Zimmer Dental launches a new interactive mobile app for clinicians

By Zimmer Dental staff

Zimmer Dental Inc., a leading provider of dental oral rehabilitation products and a subsidiary of Zimmer Holdings, Inc., is pleased to announce the availability of the Zimmer Dental Connect Mobile Application, designed to serve as a chair-side companion and practice partner for clinicians using Zimmer’s cutting-edge products.

After extensive beta testing, version 2.0 of Zimmer Dental Connect is now available for Zimmer Dental customers, as a value-added benefit. With Zimmer Dental Connect, clinicians can provide their patients with personalized, step-by-step procedural explanations (in English and Spanish), extend patient relationships beyond the office with educational information, and utilize procedural videos, restorative technique guides and other interactive materials to optimize performance. All of this information can be conveniently emailed or presented to partners, staff, patients and members of the user’s referral community.

With the release of version 2.0 of Zimmer Dental Connect, implant placers can follow user-friendly prompts to communicate pertinent case information to their case team via email or a printed form. Additionally, a customized, practice-branded patient education section is available at the touch of a button, creating the perception that Zimmer Dental Connect is a practice-owned app. The streamlined Zimmer Dental Connect mobile application, free to all Zimmer Dental customers, also makes getting in touch with a Zimmer Dental sales representative and regenerative solutions specialist easier than ever with the “Sales Rep Finder.” Zimmer Dental Connect is designed to facilitate communication, enhance knowledge and simplify clinicians’ daily routines. No other company has a tool like this, the company asserts.

For decades, Zimmer Dental has gained the trust of thousands of clinicians worldwide who count on its comprehensive line of products to deliver successful patient outcomes. By looking to new and innovative technologies and leveraging its relationship with its parent company, Zimmer Holdings, Zimmer Dental continues to reinforce its commitment to offering state-of-the-art dental solutions.

Contact a Zimmer Dental sales consultant or customer service at (800) 854-7019 or (760) 929-4300 (outside the U.S.), or visit www.zimmerdental.com for more information on this new offering.
The 2014 OCO Biomedical Implant Symposium presents ten exciting lectures over two days by some of the industry’s top implant practitioners. This event, being held at the beautiful Sandia Resort & Casino in Albuquerque, NM promises not only to be informative, but fun.

Lecture topics to include:
- surgical & restorative topics
- sinus elevation & bone grafting
- all-on-6 protocol
- cone beam technology & its uses in diagnosing & treatment planning
- CAD/CAM technology in implantology
- Keynote Speaker: Howard Farran

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Renovix Guided Healing Collagen Membrane ideal for 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, the company says.

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

Some collagen membranes remain stiff even after being hydrated, making it difficult to place over a ridge and 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 I porcine collagen, known to be one of the purest forms of collagen available, the company says.

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 1st and 2nd 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 15 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.

Clinicians have said that they get their best results when trimming it after it has been hydrated, the company says.

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

First and foremost, it can easily be tacked or sutured to the surgical site if needed. Next, it can be tucked into small tunnel incisions using a micro periosteal 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, according to Salvin Dental.

James Woodyard, DMD, MS, from Newburgh, Ind., made the following statement regarding his experience with Renovix: “The thinness and excellent tensile strength of Renovix allows 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 post-operative 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 different sizes and is individually packaged sterile for immediate use.

Many doctors like the 15 mm x 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, without having to select a larger size.

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

Renovix Guided Healing Collagen Membrane from Salvin Dental offers elastic handling.
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

Socket Graft Without Primary Closure

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

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 Woodward, Periodontist, Newburgh, IN

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Steiner Laboratories receives patent for compound to stimulate osteogenesis

Steiner Laboratories, a leader in the field of bone regeneration, discovered the molecule necessary to regenerate the patient’s own bone. This technology eliminates the need for cadaver bone, the patient’s own harvested bone or animal bone and, more importantly, produces normal vital bone, the company asserts.

Steiner Laboratories has been awarded a patent for the first compound in the bone-graft industry that enters the osteoblast to safely stimulate osteogenesis. To learn more about Steiner Laboratories, please call (866) 317-1348, visit www.steinerlabs.com or send an email to staff@steinerlabs.com.

‘This technology eliminates the need for cadaver bone, the patient’s own harvested bone or animal bone and, more importantly, produces normal vital bone, the company asserts.’
I am the Zimmer® Trabecular Metal™ Dental Implant, the first dental implant to offer a mid-section with up to 80% porosity—designed to enable bone INGROWTH as well as bone ONGROWTH. Through osseointegration, I harness the tried-and-true technology of Trabecular Metal Material, used by Zimmer for over fifteen years in orthopedics. My material adds a high volume of ingrowth designed to enhance secondary stability... and I am Zimmer.
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