By Intra-Lock Staff

Intra-Lock International, a U.S. manufacturer and innovator of biologically driven implant systems, announces the introduction of the IntraSpin™ System, designed for safe and rapid chairside preparation of L-PRF™ (leucocyte containing platelet-rich fibrin). This autologous material reflects each patient’s unique biochemistry. It is 100 percent natural and completely free from chemical additives, preservatives or bovine thrombin and is also characterized by ease of fabrication. In addition to the elimination of artificial additives, there is no need for pipetting, mixing or heating or for the use of expensive consumables.

All IntraSpin components have been optimized to ensure proper material handling and clinical performance. A simplified chairside procedure results in the production of a compressed layer of platelet-rich fibrin or fibrin plug. L-PRF has been shown to produce rapid healing, especially during the critical first week after placement,1 promoting more efficient cell migration and proliferation.1 Clinically, L-PRF is strong, resilient, supple and pliable. It is also easy to manipulate, place and suture. When formed, it can be trimmed to proper size for placement into specific anatomical sites.

L-PRF is an ideal carrier for bone material. When incorporated into the fibrin clot, the particulate biomaterial is suspended in the fibrin matrix. This enhances the handling characteristics of the graft. Clinicians placing implants have praised the clinical efficacy of L-PRF when used for the treatment of bone defects, extraction sockets, sinus and ridge augmentations, palatal defects and maxillary bone atrophy.

The IntraSpin System consists of three modules: a blood collection material set, a centrifuge and a fabrication kit.

L-PRF matrices are formed in the custom-designed Xpression™ Box. It features a depth-controlled press for the creation of a thinly compressed and consistent layer of L-PRF, and a piston and cylinder assembly used for the fabrication of plugs. The kit also includes instrumentation designed for shaping the matrix, incorporating graft material into the fibrin matrix and for its surgical delivery.

L-PRF has been described in the scientific literature as defining “a new therapeutic concept,”2 “a simple, inexpensive and efficient technique”2 and is among the “new therapeutic concepts and clinical protocols in today’s era of regenerative medicine.”2

References

Controlled tissue contouring for immediate loading including BioTemps® Provisionals

**Visit us at booth #515**

**INCLUSIVE®**

Tooth Replacement System

A 3.7 mm X 11.5 mm Inclusive® Tapered Implant was placed in the surgical site for tooth #7, as well as tooth #10.

The BioTemps bridge #7-10 was seated, allowing for nice tissue healing prior to the final impressions.

After four months of integration, the BioTemps and patient-specific abutments were removed, revealing very healthy pink tissue with trained tissue contours.

The custom impression copings match the patient-specific soft tissue contours of the custom temporary components.

The final zirconia abutments were fabricated by the dental laboratory and torqued into place.

The final implant-retained bridge was cemented into place.

Clinical dentistry by Timothy F. Kosinski, DCS, MAGD

**$695**

Single Tooth Replacement

(Case as shown: $1,646)

System includes: implant, drills, custom healing abutment, custom temporary abutment, BioTemps Provisional, custom impression coping, final custom abutment and ceramic crown.

The Inclusive Tooth Replacement System is a convenient and effective method of promoting and preserving the ideal tissue contours throughout the treatment process. It includes treatment options for these clinical situations:

- Immediate loading with custom temporary abutment and BioTemps® Provisional
- Single-stage implant placement with custom healing abutment

*Price does not include shipping or applicable taxes.

For more information

800-786-2177
www.inclusivedental.com

All inclusive implants, abutments and components are manufactured in our Irvine, Calif., facility.
Dare to Compare on
Innovation, Quality, Service and Value

SwishPlant™ Implant
All-in-1 Packaging includes implant, abutment, transfer, cover screw & healing collar
$200 vs $732³ from Straumann⁴

Reality Check
Zimmer Customers
Save $433 with Legacy³

Legacy™3 Implant
All-in-1 Packaging includes implant, abutment, transfer, cover screw & healing collar
$200 vs $633³ from Zimmer Dental

Reality Check
Straumann Customers
Save $37 with SwishPlant

ReActive™ Implant
All-in-1 Packaging includes implant, abutment, transfer & cover screw
$200 vs $718¹ from Nobel Biocare™

Reality Check
Nobel Customers
Save $518 with ReActive

Implant Direct’s New Las Vegas Training Center
Implant Direct offers an extensive list of educational opportunities at its Las Vegas Training Center with computers at each desk for Image Guided Surgical Training, models/mannequins for hands-on training and a four-chair dental office for live surgical demonstrations.

24 CE CREDITS
Implant Dentistry 101: Three-Day Introductory Course
June 13-15 | July 18-20 | September 12-14

16 CE CREDITS
3D Implantology: Two-Day Advanced Course
Featuring Anatomage Passage surgical guide starter software
August 16-17 | October 18-19

View Dr. Niznick’s 2-Hour Lecture at Las Vegas Training Center & Earn 2 CE Credits FREE
Dr. Gerald Niznick discusses how the latest implant design innovations are shaping the future of implantology.

ICOI Spring Symposium
Visit Us At Booth #613

Compare for Yourself
Introductory Offer: Make the switch & receive three FREE implants.*

*Offer expires based upon US Int prices as of January 2013. All trademarks are property of their respective companies.
Satisfaction Guarantee: See Terms and Conditions for details. Sales, terms & conditions, dental implants, angles and prices are subject to change. Prices vary. Please call for details and terms and conditions. Prices vary. Please call for details and terms and conditions.
Introducing CAD Milled Bars & Abutments

Select from a wide-range of bars and abutments for Implant Direct’s popular industry-compatible implant interfaces below. Custom Direct bars are also available for Implant Direct and Nobel Biocare multi-unit, screw-receiving abutments as well as Implant Direct’s proprietary 1-piece ScrewInDirect™ implant. CustomDirect abutments may be fabricated in titanium or one of five different zirconia shades for optimal function and esthetics.

CustomDirect™ bars made using the industry’s only robotic and full automation machining centers for unsurpassed precision and efficiency. Select bar design and order online at www.custom-direct.com

GPS™ Titanium Bar
for 4-6 implants includes screws plus up to 4 male and female attachments - $995

ScrewInDirect™ Implant
$100 discount for bars fabricated on Implant Direct’s ScrewInDirect 1-piece implants or multi-unit abutments

Hybrid Titanium Bar
for 4-6 Implants includes screws - $795

Custom Titanium Abutment Lab designed - $100
Implant Direct designed - $130
Custom Zirconia/Ti Abutment Lab designed - $120
Implant Direct designed - $150

Joining our full line of industry-compatible prosthetics

RePlant®
Internal Tri-Lobe Connection Compatible with NobelReplace®

Legacy™
45° Conical Hex Connection Compatible with Zimmer, BioHorizons/MIS

InterActive™
75° Conical Hex Connection Compatible with NobelActive™ & NobelReplace CC

Swish™
Internal Octagon Connection Compatible with Straumann Tissue Level

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www.implantdirect.com | 888-649-6425
Online store offers ‘all-in-1’ shopping

By Implant Direct staff

Implant Direct introduces a new online store that will simplify how implants and auxiliary items are ordered. Available at www.implantdirect.com, the new online store introduces visitors to the latest products, resources and events with an ever-changing homepage display. Visual selection charts lead clinicians or office staff through the implant selection process, first by identifying the implant system and then the correct diameter and prosthetic platform. Once on the implant product page, the compatible components, abutments, instruments, biologics and literature are just a click away. There’s no need to jump through different product categories or pages — with “all-in-1” shopping, everything can be found all in one spot. The system even identifies the related items.

In addition, Implant Direct’s new online store allows visitors to:
- watch related 3-D graphic videos without interrupting shopping,
- switch between different product images or zoom in for a close-up,
- compare the features and benefits between products of interest,
- move to different categories when desired via the global, top navigation bar,
- find attachments, international products and education opportunities easily in new, dedicated sections,
- look for products quickly with improved search capabilities and new advanced search option,
- quickly preview cart contents,
- keep track of potential future purchases with a wish list,
- and manage accounts and view all recent activity from the account dashboard.

This new online store, with its advanced technological capabilities, represents the latest progression in the web-based business strategy Implant Direct was originally founded upon. The company has long strived to augment the service and support available to dental professionals from the customer service and field teams with online assistance, such as a library of 3-D graphic videos detailing technical procedures and product features.

Implant Direct’s implant systems offer surgical and prosthetic compatibility with premium-priced systems as well as design improvements for enhanced clinical performance. Implant Direct offers a non-negotiable list price for each item in its broad product range. “All-in-1” packaging includes components such as cover screw, healing collar, transfer and final or temporary abutment with the implant for added value.
Case presenters were excellent, hotel was comfortable, topics were excellent

Dr. Tina Kokosis

Wide variety of speakers, newer techniques, skiing was great

Dr. Bob Hunt

Availability of speakers, Clarity of topics

Dr. Art Missirlan

Quality of lectures was 1st class!, Combination of Lectures + hands-on, Location, Location-Stay in Colorado

Dr. Michael Schwab
Improving implant position

By Siamak Abai, DDS, MMEdSc

- Since the advent of modern root form osseointegrated implant dentistry in 1952, clinicians have strived for improvements in implant positioning in the esthetic zone to achieve predictable restorative and esthetic results.

- Years of clinical experience in congruence with controlled clinical studies have helped establish parameters as a guide for these results. Establishing a treatment plan and clinical protocol prior to implant placement is paramount.

- Treatment planning traditionally begins with comprehensive medical and dental evaluations, articulated diagnostic casts, radiographs, cone-beam computed tomography (CBCT) scans and a diagnostic wax-up. Patient demands must be taken into consideration prior to surgery, and pre-surgical mockups may be necessary to convey the information to the patient.

- The advancement of CBCT technology has led dentistry into a new realm of dimensional accuracy. In combination with the use of a surgical or guided stent, proper 3-D positioning of an implant has led to more accurate clinical results.

- The importance of the implant position can be manifested in the four dimensionally sensitive positioning criteria: mesiodistal, labiolingual and apico-coronal location, as well as implant angulation. The ultimate goal is not only to avoid sensitive structures, but to respect the established biological principles to achieve esthetic results.

Mesiodistal criteria

Correct implant position in a mesiodistal orientation allows the clinician to avoid damaging adjacent critical structures. A minimum distance of 1.5 mm between implant and existing dentition prevents damage to the adjacent teeth and provides proper osseointegration and gingival contours.5 (Fig. 1a).

- Distances of less than 3 mm between two adjacent implants leads to increased bone loss and can reduce the height of the inter-implant bone crest. A distance of more than 3 mm between two adjacent implants preserves the bone, giving a better chance of proper interproximal papillary height (Fig. 1b).

Labiolingual criteria

An implant placed too far labially can cause bone dehiscence and gingival recession while an implant placed too far lingually can cause prosthetic difficulties. A thickness of 1.8 mm of labial bone is critical in maintaining an implant soft tissue profile5 (Fig. 2).

- Labially oriented implants compromise the subgingival emergence profile development, creating long crowns and misalignment of the collar with respect to the adjacent teeth.5

Apico-coronal criteria

Peri-implant crestal bone stability plays a critical role in the presence of interdental papilla.7 Implants placed too shallow may reveal the metal collar of the implant through the gingiva. Countersinking implants below the level of the crestal bone may give prosthetic advantages but can lead to crestal bone loss.

- The ideal solution would be the placement of an implant equicrestal or subcrestal to the ridge. However, the existing microgap at the implant abutment junction leads to bone resorption because of peri-implant inflammation.8 It is suggested an implant collar be located 2 mm apical to the CEJ of an adjacent tooth if no gingival recession is present5 (Fig. 3).

Implant angulation

Implant angulation is particularly important in treatment planning for screw-retained restorations. Implants angled too far lingually can result in unhygienic and esthetic prosthetic design.

- For every millimeter of lingual inclination, the implant should be placed an additional millimeter apically to create an optimal emergence profile.9 In general, implant angulation should mimic angulation of adjacent teeth (Fig. 4). Furthermore, maxillary anterior regions require a subtle palatal angulation to increase labial soft tissue bulk.10

Inclusive Tooth Replacement Solution

The Inclusive® Tooth Replacement Solution was developed by Glidewell Laboratories as a complete, prosthetically driven method of restoring missing dentition. The solution is composed of treatment planning, implant placement, patient-specific temporization and the definitive restoration (Figs. 5a–5d).

- When utilizing the comprehensive range of Inclusive Digital Treatment Planning services, the clinician has absolute and precise control of each step. The clinician has control of the four dimensions of implant placement in the esthetic zone, creating a consistently predictable result.

To read the full article, go to www.inclusivemagazine.com. The references are available from the publisher.
Polar_eyes is a cross-polarization filter that makes it easy to eliminate unwanted reflections on teeth that are caused by a flash.

These specular highlights can obscure details in the teeth and cause problems when communicating with the lab. The sample photos show the typical reflections from a flash (without polar_eyes) and the reflection-free result when using polar_eyes. The filter attaches to your macro flash by small magnets.

This allows the filter to be quickly attached or removed for patient photos. The polar_eyes filter is available to fit the following macro flashes: Canon MR-14EX, Metz MS-1 and Sigma EM-140DG. A filter for the Nikon R1 macro system will be available shortly.

For more information, contact PhotoMed at (800) 998-7765, visit www.photomed.net or stop by the booth, No. 111, here at the ICOI Spring Symposium.
learning and education that is taking place during the next two days. This year’s Spring Symposium includes an in-depth focus on “The Maxilla: Single Tooth to Full Arch Reconstruction” while maintaining the collegial and scientific environment the ICOI is known for.

Thursday afternoon opened up with main podium lectures on the topic “Extraction Site Management” by speakers Dr. Jaime Lozada, Dr. Giuseppe Cardaropoli, Dr. Joseph Kan and Dr. Michael Sonick. The evening ended with a welcome reception in the exhibition hall, where about 100 companies are exhibiting products.

For implant doctors or team members who came looking to stock up on supplies or to look for new products to bring home to the office, the exhibit hall is brimming with new technology and other treats. Here is a sampling of the unique products you can test or purchase:

• Intra-Lok has introduced L-PRF, a 3-D autogenous combination of platelet-rich fibrin derived from the patient’s blood. A simplified chairside procedure results in the production of a thin, compressed layer of platelet-rich fibrin that is strong, pliable and suitable for suturing. This natural fibrin network is rich in platelets, growth factors and cytokines that are derived from blood platelets and leukocytes. The presence of these proteins has been reported to produce rapid healing, especially during the first seven days after placement. For more information, stop by the company’s booth, Nos. 822/824.

• Zest Anchors has a new LOCATOR Implant Attachment with patented pivoting technology, which the company says is the premier system for implant-retained overdentures. According to recent studies, a two-implant-retained, tissue-supported overdenture restoration is considered the new minimum standard of care for edentulous patients. To learn more, visit Zest Anchors at booth Nos. 812/814.

• Implant Direct Sybron International is celebrating 30 years of implant innovation. To hear about the company’s Legacy line of implants and other products, stop by the booth, Nos. 613/615.

As you plan your next educational adventures, a few implant companies have events they’d like you to consider putting on your calendar:

• MIS will offer its Global Conference 2013 from June 6-9 in Cannes, France. With the theme “From Science to Practice – How to Make It Simple,” the meeting offers the opportunity to catch up with new trends, learn best practices from world class experts and enjoy a vacation under the sun of the French Riviera.

• i-CAT will host the 7th International Congress on 3-D Dental Imaging in Boston from Oct. 24-26. The event will offer up to 12 C.E. credits and will feature speakers, lecture topics and demonstrations of real 3-D imaging applications in dentistry.

• Meisinger invites you to experience an implantology training course at its fourth annual High Altitude Bone Management Winter Camp from Feb. 5-8, 2014, which will combine top-level implantology courses with the fun of a top-rated ski resort, this time in Beaver Creek, Colo.