Half-arch restoration offers new durable, esthetic option

By Glidewell Laboratories Staff

The BruxZir® Solid Zirconia Half-Arch Implant Prosthesis offers a fixed, all-zirconia implant solution for partially edentulous patients who desire a more durable replacement for removable partial dentures. Constructed from 100 percent BruxZir Solid Zirconia and attaching to implants via titanium connections, this half-arch restoration can dramatically improve patient quality of life, according to the company. BruxZir Solid Zirconia offers superior fracture toughness and exhibits flexural strengths of up to 1,465 MPa, making it an ideal material for enduring the functional stresses of the mouth. Scanned, designed and milled with CAD/CAM technology, the BruxZir Half-Arch Implant Prosthesis can help clinicians achieve a predictable restorative result.

Half-arch prostheses are milled from esthetic BruxZir Shaded milling blanks, which, when processed, create restorations that exhibit vital translucency and color similar to natural dentition. The esthetics of the material are then enhanced with staining and glazing techniques. Strong, hygienic and affordably priced, according to the company, the BruxZir Half-Arch Implant Prosthesis offers resistance to the chips, fractures and stains that can compromise acrylic prostheses.

What’s more, the BruxZir Half-Arch Implant Prosthesis is backed by a seven-year free replacement warranty. If material damage occurs on the device, a new prosthesis will be milled and finished from the stored digital data.

Available for half-arch indications for the first time, BruxZir Solid Zirconia is hypoallergenic and has been shown in clinical studies to be wear-compatible with enamel.

The BruxZir Solid Zirconia Half-Arch Implant Prosthesis is priced at $1,795 and includes the final prosthesis, a provisional CAD/CAM implant prosthesis made out of poly(methyl methacrylate) (PMMA), all labor, model and die work, analogs, setups, bite blocks, try-ins and verification jigs.
A STRONGER, more adaptable and easier to use core composite.

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- Dual cure
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Absolute Dentin Plus™ features nanotechnology, giving it a slightly lower viscosity than original 'AD'. It's even easier to syringe the material into a small diameter canal when cementing a post. Don’t be mistaken, Absolute Dentin Plus still stacks, still cuts like dentin and still works great with Brush&Bond®.

- Absolute Dentin™ Plus \$41.50/Kit
  Kit consists of one 5ml dual-chamber syringe, 8 mixing tips and 8 introral tips (4 root canal & 4 white), Shades: Absolute White (S330), Tooth Shade A2/B2 (S331).

I love using Absolute Dentin™ for my cores. However, Absolute Dentin™ PLUS' lower viscosity allows the material to flow and adapt better in small areas on the tooth. It's also perfect for flowing into tight post holes when a post is required.”

— Gregg A. Helvey, DDS, MAGD, CDT

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Planmeca ProMax S3: Capture interproximal caries extraorally

By Planmeca USA Staff

What if dentists could capture interproximal caries and more extraorally? The Planmeca ProMax S3 makes this achievable with the anatomically accurate extraoral bitewing program, possible only with patented SCARA (selectively compliant articulated robotic arm) technology.

These extraoral bitewings eliminate gagging and capture a greater number of surfaces for better caries detection versus intraoral modalities* and are especially useful for periodontal patients, children, elderly patients, claustrophobic patients, patients with special needs, patients who gag or patients in pain. ProMax’s extraoral panoramic bitewings consist of two bitewing images that are focused to expose interproximal contacts and magnified for higher resolution. These images show details from premolar to third molar areas, including parts of the maxilla, mandible and ramus.

They are also useful in the placement of temporary anchorage devices (implant abutments) in certain treatments. This captures more clinical data (lateral to third molar) and consistently opens interproximal contacts better than most intraoral methods.

All of this comes without the challenges of sensor placement, the changing of sensor sizes, disinfection and equipment maintenance, helping clinical procedures run quicker and smoother than ever before, according to the company.

The ProMax S3 also offers innovative features for compliance with the ALARA radiation safety principle. Its unique autofocus feature significantly reduces retakes, while adjustable kV and mA settings, as well as horizontal and vertical segmentation, provide the tools to limit radiation based on clinical need.

The unit is software-driven for upgradability, from advanced 2-D imaging programs to cephalometry, one-shot cephalometry, digital impression and cast model scanning, Proface 3-D facial photos and 3-D imaging.

All of the units include open-architecture Planmeca Romexis, a versatile software suite designed to support optimal imaging workflow and usability at chairsides.

* According to “Efficacy of ProMax Bitewings vs. Intraoral Bitewings.” For a copy of this study, contact Planmeca USA.
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Futurabond M+ achieves total-etch bond strength levels with all light-, self- and dual-cure resin-based composites, cements and core build-up materials.

With a dual-cured activator, Futurabond M+ will self-cure without any light activation, which offers a big advantage for endodontic applications such as post cementation where it avoids the pooling effect, a problem with light-cured adhesives.

Futurabond M+ also adheres well to metal, zirconia and ceramic, making extra primers unnecessary.

Futurabond M+ needs only one coat and takes 35 seconds from start to finish. Its low film thickness of only 9 microns makes bonding margins invisible (i.e. no “halo” effect) and prevents pooling problems. Additionally, the material does not need to be refrigerated.

Further Futurabond M+ benefits include its indication as a desensitizer for use under amalgam restorations or on hypersensitive tooth necks, as a protective varnish for glass ionomers and as an intraoral repair of ceramic restorations.

For more information, visit www.voco.com or stop by the booth, No. 1830, here at the CDA Presents.

The TurboVue™ Illuminated Magnetostrictive Ultrasonic Scaler provides excellent visibility when scaling all areas of the oral cavity. The TurboVue features a light source built into the handpiece, allowing a significant amount of light to emit through the 30 K, light-transmitting ultrasonic inserts.

Whether it’s the distal of a second maxillary or mandibular molar, a furcation or a deep lingual pocket you’re trying to access, the TurboVue will illuminate even the toughest corners, according to the company, ensuring you won’t miss anything.

In addition, the light reduces strain on the operator’s eyes. No more squinting or messing with the overhead lamp or loupes.

For more information, visit www.parkell.com or stop by the booth, No. 2301, here at the CDA Presents.