TADs

Temporary Anchorage Device Showcase

We consider it a mini buyers guide. Herein, companies including American Orthodontics, Forestadent, Ortho Technology and Dentaurum present their unique TAD systems. Whether you make decisions about products on a month-to-month basis or at year-end, now is a great time to brush up on the newest temporary anchorage device technology. This showcase section also includes contact information for each company, making it easy to ask additional questions or to find out further details about products online.

TAD Products

Cetacaine Topical Anesthetic Gel

Cetacaine Topical Anesthetic Gel from Cetylite is a fast-acting, long-lasting prescription topical anesthetic that can be applied directly to the required site. Cetacaine Gel features the triple-active formula of 14% benzocaine, 2% butamben and 2% tetracaine HCL. By lightly depressing on the pump of the convenient pump-top jar with your fingertip, a controlled amount of Cetacaine is dispensed. Cetacaine is also available in spray and liquid forms. For more information, visit www.cetylite.com.

VectorTAS

Designed by orthodontists specifically for orthodontic use, VectorTAS is a complete system with a full array of orthodontic-specific mini-screws, TAD-specific attachments and instruments designed to make temporary anchorage easy and effective. VectorTAS provides clinicians with all the benefits of temporary anchorage such as reduced anchorage demand for more control, surgery cases treated without surgery, no headgear and reduced reliance on patient compliance, reduced treatment time and greater patient comfort. For additional information, visit www.ormco.com.

Dual-Top TADs

RMO's Dual-Top Temporary Anchorage Device (TAD) system provides efficient and flexible biomechanics. Dual-Top TADs enhance treatment capabilities and are effective in reducing treatment time, surgeries and extractions. Dual-Top appliances can be inserted chairside by the clinician and loaded immediately for anchorage where and when needed. Visit www.rmortho.com for more information.

One Touch Advanced

One Touch Advanced is a quick topical anesthetic oral gel from Hager Worldwide, Inc. One Touch Advanced works within 30 seconds of application and lasts up to 60 minutes. It does so by coupling the rapid onset of benzocaine (14%) with the slow/extended duration of tetracaine hydrochloride (2%) and bridging them with the intermediate action of butamben (2%). For more information, visit www.hagerworldwide.com/anesthetics.html.

continued on page 76

continued from page 75

American Orthodontics

The name behind The Aarhus System is one of the most recognized in orthodontics today. Professor Birte Melsen is recognized by her peers as a premier researcher and academic. She holds countless honors for her contributions in orthodontics with more than 300 published scientific articles and a 35+ year tenure as professor and chairman of the Department of Orthodontics at the Royal College, Aarhus in Denmark. Her work in skeletal anchorage has led to the introduction of the Aarhus Mini-Implant System, which is a culmination of years of research, experience and dedication to the field.

Pairing premium materials with optimal sizing, Aarhus mini-screws yield a perfect balance of strength and working diameter for effective clinical application. The material, Ti6AL4V, is a high strength titanium alloy noted for its biocompatibility and resistance to corrosion. The Aarhus System offers a high quality temporary anchorage device (TAD) that is user-friendly without sacrificing strength.

The device offers:

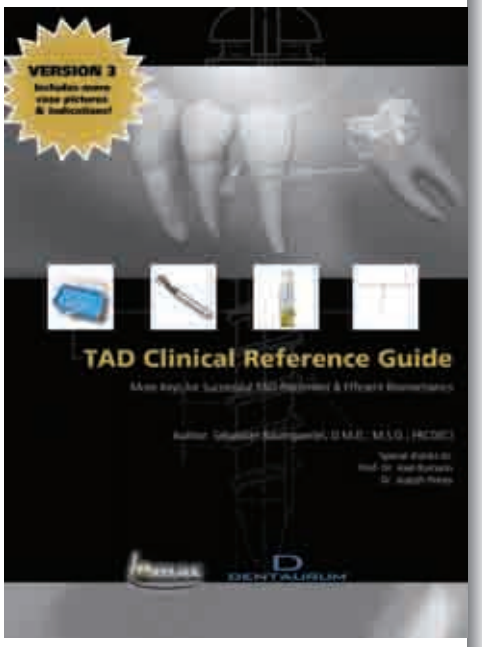
- 1.5mm thread diameter design for easy placement between dental roots
- 6mm and 8mm thread lengths for adaptation in different bone densities
- 1.5mm and 2.5mm collar lengths for accommodating the various soft-tissue thicknesses
- Multiple head options to accept any accessory items utilized during clinical application
- A variety of accessory items to complement treatment
- Compact and light-weight sterilizable instrument tray and screw magazine for efficient chairside delivery
- Secure locking driver tip that ensures screw placement without “wobble” during patient application

The Aarhus System offers a user-friendly mini-implant screw that delivers safe and consistent treatment and a complete line of accessories.

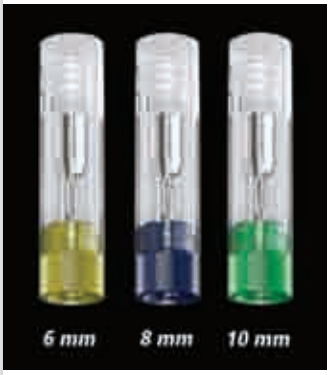
For more information, contact American Orthodontics at 800-558-7687 or www.americanortho.com. ■

Dentaurum

Dentaurum USA is showing its continued focus on providing education and reference resources to the market by launching its third edition of the very popular TAD Clinical Reference Guide. This new and updated edition provides more progressive and challenging TAD cases than ever before and each case includes pictures and step-by-step instructions on exactly how you can overcome each challenging indication with TADs. This valuable reference guide can be received completely free of charge.



Additionally, Dentaurum is holding its Third Annual TAD User Forum at the Wynn Las Vegas Resort, November 4-6. Last year, this meeting was sold to capacity and was therefore moved to the Wynn to ensure an even bigger and more exciting meeting this year! This meeting promises to provide an incredible learning experience for practitioners of any experience level. The program includes 11 TAD speakers, a four-track lecture program, round-table discussion groups, live TAD placements, hands-on workshops, evening cocktail parties and up to 18 continuing education credits. Tuition is only $499. If you are currently using TADs or have any interest in using TADs in clinical treatment, then you do not want to miss this exciting weekend event.



Lastly, Dentaurum is introducing its completely updated packaging of the TOMAS pin. This improved packaging reverses the position of the pin and allows it to sit in a sterile cradle with the head exposed. This change helps make the pin even easier to place in the everyday practice! The packaging allows for easy and direct placement using either: the TOMAS Screwdriver, TOMAS Thumb Driver or even the new TOMAS Contra-Angle driver! Dentaurum is offering closeout pricing on all remaining stock of TOMAS pins in the original packaging.

If you would like to access the digital version of the third edition TAD Clinical Reference Guide, or if you would like to register for the upcoming TAD User Forum, please visit www.tomasforum.com, call 800-523-3946 or e-mail sales@dentaurum.com. ■

continued on page 78

continued from page 77

FORESTADENT USA

ORTHOeasy®

When it comes to Temporary Anchorage Devices (TADs), there are many systems on the market to choose from. FORESTADENT has developed several unique design characteristics that make the OrthoEasy Pin System an excellent choice for treatment.

1. The OrthoEasy pins come in three color-coded lengths: rosé: 6mm, pink: 8mm and gold: 10mm. These three lengths are the most popular, and can treat just about any case. Typically the 6mm pin is used in the mandibular vestibule, the 8mm is used in both the maxillary vestibule and the anterior palate and the 10mm is generally used in the mandible for bi-cortical anchorage. With the majority of cases being able to be treated with these three sizes, a limited stock is required, reducing overhead cost for the clinician. The color coding is an added convenience when it comes to placement, because it easily distinguishes one size from another.
2. The transgingival conic screw neck (2mm) with integrated depth stop is a feature that is set in place to reduce infection. This stop in the screw neck corresponds to the average thickness of the gingival and operates similar to a bottle cork, which seals the perforation area safely and protects the gingiva at the insertion point from unwanted bacteria penetration.
3. Reduced vertical height of the head reduces irritation to the gingiva providing the patient with a comfortable experience for the duration of TAD treatment.
4. The octagon-shaped pin head features a double cross slot of .022 x .025in and an undercut for easy ligation. This innovative design of the screw head allows linking potential, and a flush insertion of two rectangular archwires when applicable. The cross design also allows for additional applications such as molar uprighting springs, power arms, L and U anchors and cross tubes to be utilized during treatment. The head of the OrthoEasy also allows for the use of abutments in situations requiring heavier anchorage, for example the use of the FROG when distalizing molars.
5. The body of the screw contains threads that make shark-like cuts at a new pitch on every single winding step. In addition, the special design of the thread peak offers a safe passage through to the gingiva. These very intricate and well-engineered details contribute to the easy placement of each screw in each individual patient.

To learn more about the OrthoEasy Pin System, to see upcoming TAD seminars and for additional information, check www.forestadentusa.com or call 800-721-4940. ■

FORESTADENT USA
GERMAN PRECISION IN ORTHODONTICS

Ortho Technology

The Spider Screw's geometry is a result of careful design in every single detail. In fact, the Spider Screw has obtained two international patents since its inception, due to its innovative characteristics: the simultaneous presence of the external and internal rectangular slots and round internal slots.

Extremely versatile due to its small dimensions and unique design, the Spider Screw is easily placed in either the maxilla or mandible, even where access is limited and bone quality is less than ideal. Placement is simplified by the self-drilling feature found in the K1 and K2 Spider Screw Series.

The Spider Screw has been developed to offer a number of versatile anchorage options capable of immediate loading which is possible because the Spider Screw is a non-osteointegrable implant and consequently force can be applied immediately after placement. The applied force can range from 50 to 300 grams depending on screw choice, bone quality, and the desired orthodontic movement.

This anchorage device can be used during every phase of orthodontic treatment and is suitable for symmetric or asymmetric anchorage.

The Spider Screw package includes three removable labels containing important information (device name, reference code, lot number, etc.) which is to be applied to the patient's record card for traceability. Sterile packaging ensures the Spider Screws are ready to use whenever needed, saving valuable processing time.

Spider Screw®

Self-Ligating TAD

TAD System

Specifications & Comparison of Spider Screws

The Spider Screw Self-Ligating TAD K1 and K2 Plus Series and the Spider Screw K1 and K2 Series are self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it might be necessary to utilize the 1.1mm drill for the K1 and 1.2mm drill for the K2 provided to penetrate the cortical plate.

- Self-ligating K1 Plus specifications: 3.9mm diameter head, 1.5mm diameter body. Available in 6.5mm, 8mm and 10mm lengths.
- Self-ligating K2 Plus specifications: 3.9mm diameter head, 1.9mm diameter body. Available in 5mm, 6mm, 7mm, 9mm and 11mm lengths.
- K1 specifications: 3.4mm diameter head, 1.5mm diameter body. Available in 6.5mm, 8mm and 10mm lengths.
- K2 specifications: 3.4mm diameter head, 1.9mm diameter body. Available in 5mm, 6mm, 7mm, 9mm and 11mm lengths.

The Spider Screw C1, C2 and Spider Pin are self-tapping and require predrilling. The Spider Screw C1 and C2 are available in long neck and short neck versions. The Spider Pin is available in a long neck version.

- Spider Screw C1 specifications: 3.4mm diameter head. Cylindrical thread - 1.5mm diameter body. Available in 6.5mm, 8mm and 10mm lengths.
- Spider Screw C2 specifications: 4.8mm diameter head. Cylindrical thread - 2.0mm diameter body. Available in 7mm, 9mm and 11mm lengths.
- Spider Pin specifications: 2.6mm diameter head. Cylindrical thread - 1.3mm diameter body. Available in 8mm and 10mm lengths.

For more information, contact Ortho Technology, Inc., at 800-999-3161 or visit www.orthotechnology.com. ■