Treat pulpotomies with TheraCal PT

Resin-modified calcium silicate performs as barrier and protectant of pulpal complex

By Fred Michmershuizen, Dental Tribune Staff

BISCO has introduced TheraCal PT — a biocompatible, dual-cured, resin-modified calcium silicate designed for pulpotomy treatment. It’s the latest product in BISCO’s “Thera” family of products that also includes TheraCem self-adhesive resin cement and TheraCal LC pulp capping liner. All three products feature resin-modified calcium silicate technology with calcium releasing abilities.

During an interview conducted at the 2019 American Academy of Pediatric Dentistry meeting in Chicago, Katherine Steyer, product marketing manager at BISCO Dental Products, explained that TheraCal PT maintains tooth vitality by performing as a barrier and protectant of the dental pulpal complex.

Steyer said that when a primary tooth is compromised, it is important to save it because it is important for speech, for mastication and for guiding adult teeth. Steyer explained that TheraCal PT is particularly helpful in treating children because it can be used for immediate restoration.

No mixing required

What’s more, TheraCal PT does not require mixing like MTA, Steyer said. And further, unlike calcium hydroxide, it is moisture tolerant, she said. Another plus, Steyer said, is that it is radiopaque, allowing for easy identification and differentiation from recurrent decay and other restorative materials.

“What’s great about this product is an easy application with its direct syringe,” Steyer said. “We have a working time of minimum 45 seconds and a setting time of minimum 80 minutes. It’s also moisture tolerant, which is important, especially for children.”

In the exhibit hall at the 2019 American Academy of Pediatric Dentistry meeting in Chicago, Katherine Steyer of BISCO Dental Products holds TheraCal PT, BISCO Dental’s new product designed for pulpotomy treatment. Photo/Fred Michmershuizen, Dental Tribune Staff

From left, Stanley M. Bergman, chairman and CEO of Henry Schein Inc., joined by Catherine Alicia Georges, EdD, RN, FAAN, president, AARP National Volunteers and Rear Admiral Timothy L. Ricks, DMD, MPH, chief dental officer of the U.S. Public Health Service and assistant surgeon general of the United States. Photo/Provided by Henry Schein

As a leading voice on issues important to the age-50-plus community, Georges outlined AARP’s health agenda highlighting efforts to address health inequalities in communities of color and the need for collaboration among all sectors to overcome social determinants that impede seniors from accessing care. Georges stressed the need for greater understanding of oral health as part of overall health as she detailed AARP’s oral health advocacy initiatives and support for including dental benefits in Medicare.

Ricks updated attendees on the progress of the “Surgeon General’s Report on Oral Health,” which was commissioned by the U.S. Dept. of Health and Human Services, the Office of the Surgeon General, the National Institutes of Health and the U.S. Public Health Service’s Oral Health Coordinating Committee. He identified challenges and opportunities that have emerged since publication of the first report in 2000 and described key issues currently affecting oral health, such as disease prevention and treatment strategies for an aging population, trends in the dental workforce and factors contributing to the rising cost of health care.

In his remarks, titled “The Power of Us,” Bergman shared key insights on a variety of topics, ranging from trends affecting the practice of dentistry and the rise of consumerism to the growing demand for diversity and cultural competency among health professionals.

“At Henry Schein, we strongly believe in the power of public-private partnership because the global health issues we face are too daunting for any single sector to effectively address,” Bergman said. “With our public-private partnerships, we work with governmental as well as non-governmental organizations, customers and suppliers to make a difference in society. This enables trust, and with trust, you can move things forward – like advancing oral health, for example, by bringing together academia, professionals and public health officials from around the globe.”

For more than 100 years, the NDA has been a national forum for minority dentists and a leader in advancing the rights of the NDA promotes oral health equity among people of color by harnessing the collective power of its members, advocating for the needs of and mentoring dental students of color, and raising the profile of the profession in their communities.

The NDA comprises 39 state and local chapters throughout the United States and the Caribbean. Representing nearly 8,000 African American dental professionals and 37 million African Americans, NDA also includes members from across Latin America, Africa, Canada and Saudi Arabia.

(Source: Henry Schein)
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Innovative loupes expand your vision

By Designs for Vision Staff

Designs for Vision is launching several products at the ADA/FDI World Dental Congress exhibit hall, Sept. 5-7, in San Francisco.

For the first time, the company will be showing its new patented (U.S. pat. 8,928,975 B2) 3.5x and 4.5x Panoramic Loupes. According to the company, the Panoramic Field Loupes represent the most significant advancement in telescope design in more than 100 years. The viewable areas are twice as large as prismatic expanded-field-designed loupes and up to five times greater than Galilean designed optics. Panoramic Field Loupes provide unprecedented field of view, clarity, definition and color, according to the company.

Designs for Vision is also featuring the REALITY 5 Star rated Micro 3.0EF Scopes and Micro 4.5EF Scopes, which use a revolutionary optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent while providing an expanded field view of the oral cavity. The company also is introducing the Micro 3.0EF in its line of Micro Series Loupes. The Micro 3.0EF has a field of view of 100 mm and weighs less than 70 grams.

You can see the lightest 3.0x magnification with the new 3.0x Galilean loupes from Designs for Vision. The lightweight Galilean design enables users to step up in magnification while retaining a sharp 70 mm field of view.

Designs for Vision is also introducing patented (U.S. pat. 8,851,709 and RE46,463) hands-free infrared technology with the WireLess IR HDi™ and the Micro IR HDi headlights. These headlights feature HDI. Designs for Vision’s exclusive advanced photonic design that provides uniform light distribution with maximum intensity. This feature optically focuses the light from the LED to provide 45 percent more light with uniform distribution at 5,800° Kelvin, the ideal color temperature.

The patented IR feature enables improved infection control by letting practitioners operate the headlight without touching the system. The IR headlights use a built-in infrared signal to enable turning the light on or off simply and safely. Onboard biometrics sense the position of the headlight to filter out unintended signals while working.

Designs for Vision has added the High Definition Imaging to all of its headlights including the LED DayLite® Wireless IR and the LED DayLite Wireless Mini, providing a lightweight cordless solution with light intensity comparable to many corded headlights. You can choose High Definition Imaging with either a wired or wireless design to meet your preference, and any of the HDI headlights will illuminate the entire oral cavity.

Designs for Vision’s WireLess headlights free users from being tethered to a battery pack. The simple modular designs uncouple the headlights from a specific frame or single pair of loupes. Prior technology married a cordless light to one pair of loupes via a cumbersome integration of the batteries and electronics into the frame. The compact design of the LED Daylite Wireless headlights are independent of any frame/loupes.

The LED DayLite Micro HDI uses the new High Definition Imaging with a lightweight headlight in combination with the Micro power pack. The Micro power pack is the lightest and smallest power pack. The complete unit includes two power packs, and each power pack can run up to 10 hours.

See for yourself
You can see the Visible Difference® yourself by visiting Designs for Vision’s booths at the 2019 World Dental Congress booth Nos. 945 (South Hall) or 5744 (North Hall), or contact Designs for Vision to arrange a visit in your office at (800) 345-4009 or info@dvimail.com.

TheraCal PT

TheraCal PT’s chemical formulation consists of synthetic Portland Cement calcium silicate particles in a unique hydrophilic matrix that facilitates calcium release.

TheraCal PT is radiopaque, which, according to the company, enables easy identification and differentiation from recurrent decay and other restorative materials. BISCO asserts that TheraCal PT’s physical properties resist breakdown and degradation leading to a durable seal. TheraCal PT is also indicated for direct and indirect pulp capping (liner) and as a base.

BISCO Dental’s line of “Thera” brand products includes TheraCal LC, TheraCem and now TheraCal PT.

BISCO believes that “better dentistry can be achieved when practicing the THERA way.”

For more information about BISCO’s line of Thera products, you can visit the company online at www.bisco.com or call (800) 247-3368.