Shofu recently introduced BeautiBond™, a seventh-generation bonding agent with an exclusive chemistry, as the newest addition to its family of restorative materials. BeautiBond’s unique dual adhesive monomers work independently to produce equal bond strengths to both enamel and dentin. Available in convenient unit doses for easy, one-step, one-coat application, BeautiBond has a low film thickness of only 5 microns. BeautiBond’s enhanced bond strength rivals that of leading sixth-generation adhesives, but with the convenience of a seventh-generation material. The light-cure, self-etching adhesive produces a durable, reliable bond and is ideal for a wide range of applications. With excellent biocompatibility and bonding durability, BeautiBond is an all-in-one adhesive that enables etching, priming and bonding in one simple step. Yet, with many dentists unsure of advances in adhesive technology, Shofu and Dr. Howard Glazer hope to clarify any questions with a new technique video available on Shofu’s Web site. Visit www.shofu.com to view this informative video and learn more about the advantages of seventh-generation bonding agents. Available to view, download or share, the video provides useful technique tips. In addition to the technique video, Shofu offers a variety of other resources, including a step-by-step animation that is an easy and convenient way to learn more about BeautiBond. Information about interactive Webinars featuring key opinion leaders, such as Dr. Mark Latta, reviewing recent scientific updates on bonding agents is also available at www.shofu.com. Another key opinion leader has their time and money where it belongs — with their patients.

For more information or to order, call (800) 955-5885 or visit www.savalife.com.

BeautiBond by Shofu

Savalife M100: Save time, money ... and lives

Every year in the United States, 50,608 emergencies occur in dental offices, according to the American Dental Association. So that they can respond when one of them inevitably occurs in their office, dentists must have an appropriate emergency response plan and appropriate emergency response equipment to match.

Savalife’s Quick Response M100 emergency drug kit includes the pre-filled syringes, sprays and inhalants needed to quickly and effectively treat common patient emergencies, including those related to angina, asthma, insulin problems, allergic reactions, fainting, heart attacks and more.

As convenient as it is necessary, the kit saves patients’ lives while also saving dentists’ practices, as appropriate emergency response can reduce dentists’ exposure to risk and liability.

What’s more, because the kit is free when they sign up for Savalife’s Automatic Drug Refill Program, it allows dentists to invest their time and money where it belongs — with their patients.

For more information or to order, call (800) 955-5885 or visit www.savalife.com.

Savalife M100: Save time, money ... and lives

Up or down, right or left, the sleek new Digital Doc ICON intraoral camera gives precise fingertip control to either hand in any position with dual ergonomic capture buttons.

NOW THE CHOICE IS YOURS.

Only the ICON gives you the flexibility of variable touch focus, with unmatched sharpness and range from 5mm macro close-ups to full arch and full smile. And now it’s simpler than ever to use, with a specially designed USB connector that fits any dental unit.

When you view the beautiful colors and detailed images that ICON’s seven precision optical lenses, 8 point LED lighting, and Sony’s Hi-Resolution CCD create, you’ll see why the new Digital Doc ICON intraoral camera is the #1 choice in North America. To find out more, call 1-800-518-1102 or visit us at www.digi-doc.com.

Unique USB 2.0 connector sits next to your high-speed in any dental unit.
Dentistry grown up: utilizing sedation to care for children

By Alex Harris & Michelle Hannah

While adults can be like children at the dentist, the reverse is not true. There are many distinctions between adults and children when it comes to dentistry. Failure to recognize these distinctions can result in significant harm and even death. Specific training in pediatric sedation is essential for treating children.

Each child must be treated according to his or her unique characteristics. Fears, age, weight, medications, supplements and allergies are just a few factors that must be considered. Special considerations should be made for children who are autistic, hyperactive, obese, asthmatic or prone to seizures. An understanding of pediatric anatomy, physiology and psychology provides the framework for safe and effective sedation.

Using oral sedatives and/or nitrous oxide to properly sedate children can not only be effective for the procedure at hand, but can help lay the foundation for lifelong comfort with the dentist. Even older pediatric patients who have previously had negative experiences are able to develop new comfort and resolve dental anxiety.

Fear of needles (belonephobia) and other dental-related fears often begin in childhood. Even very young children can be emotionally scarred by a painful dental experience. Though these young children may be unable to understand why they are experiencing pain, the cognitive association is formed and a lifelong fear develops.

Oral sedation can help resolve these issues. Tense moments of fear and strain transform into a relaxed calm. The calm presents the opportunity to complete more high-quality dentistry in less time, creating better patient comfort and more practice profitability.

Sedation is not only a tool to help anxious patients; it can also increase patient safety. A squirming child afraid of the dentist and the sharp metal instruments used is a recipe for disaster. However, when properly sedated, a child’s procedures can be completed quickly and safely.

Isolated cases of health emergencies represent a small possibility that dentists should be prepared for. Acidosis and cellular death develop much more rapidly in children during cardiac arrest as they lack the oxygen reservoir that adults have in their tissues and blood. The cells in a child’s heart die quickly, and thus timing is of the utmost importance. A dentist must know how to immediately and properly act in a medical emergency should one occur.

Proper training in pediatric oral sedation, anatomy and the psychology of children can be found at the Pediatric Oral Sedation Dentistry course offered by DOCS Education. The course teaches safe, effective and predictable oral sedation techniques, as well as safety procedures specific to children. The differences between children and adults are immense. Proper knowledge and pre-

also weighed in on BeautiBond. Dr. George Freedman reviewed BeautiBond recently in his “First Impressions” column. BeautiBond will also be discussed in upcoming lectures by both Dr. Freedman and Dr. Glazer at the upcoming ADA meeting and the Greater New York Dental Meeting this fall.
Medidenta now offers refining and waste disposal

With 65-plus years and counting, the company Medidenta has truly withstood the test of time and earned the trust of dental professionals around the world. The company has recently acquired a precious metal refining and waste disposal operation, which will now provide the entire dental community a service that will be unsurpassed in integrity and value, bar none.

Since 1944, Medidenta has morphed into a boutique of dental products where it dares to be different. Some of its products from the 1940s included copper bands, prefabricated jacket crowns and posts that sold for 15 cents each. And yes, the original product line even included Karat, a pure gold filling material, not to mention genuine silver points for root canal obturation, which in fact was the endodontic standard of care in the '50s and '60s. Some of these items can be viewed on the “Nostalgia” section on the company’s Web site, www.meditenta.com. Medidenta's product line has been synonymous with value because of "direct to the dentist" pricing. The company's most significant breakthrough came in 1969 when Medidenta introduced the Girothane®, the first automated device for root canal therapy; however, its start was with precious metals used in dental appliances and root canal therapy. In July 2007, Robert Achtziger, an employee of Medidenta since 1975, became the sole owner, president and CEO. He has implemented many changes, from streamlining and improving customer service to increasing the research and development budget, which will result in some major dental product introductions in the coming months. Through personal hobbies and friends, Achtziger has developed a deep-rooted commitment to environmental issues facing our world. "Precious metals are a natural resource of our Earth. Our planet has indeed experienced significant advances in technology, but not without a price because our environment is exhausting and neglecting its natural resources, and this will take an effort by all to save and conserve our natural resources for future generations," Achtziger said.

While some corporations have only just begun to initiate conservancy and recycling procedures, Medidenta has already integrated these measures in its daily business operations, knowing it's extremely desirable to implement environmentally conscious changes within the dental community it has served since 1946. As mentioned, Medidenta is announcing it has acquired a refining and waste disposal operation that will now be integrated into Medidenta's respected product and service line. This division will encourage recycling and create initiatives, internally and externally, that are kinder to the environment and enable dental offices to earn top dollar on precious metal scraps that are refined and recycled.

When Achtziger was asked, "Why refining and precious metals and recycling?" his response was, "Some of Medidenta’s roots are with precious metals, and the overwhelming majority of our product line is, in fact, recyclable so this was a natural fit for us." Thus, Medidenta is currently offering some new services.

Refining precious metal scrap Medidenta can now smelt and assay scrap to determine the precious metal content, and pay the dental professional the highest dollar amount within a week. As a bonus, the practitioner will receive valuable discount coupons for other products listed in the Medidenta catalog.

In-office amalgam separator The BOSS Amalgam Separator offers up to three years of safety, convenience, simplicity and environmental compliance for the ultimate protection for the entire dental office.

Dental waste Dental offices can now forget about expensive long-term contracts for disposal of dental waste. The company’s Sharps PLUS system is very easy; Fill it. Seal it. Ship it! Everything is included, including the tape, at a substantial savings.

Why Medidenta?

In an era of financial uncertainty and mistrust of public conglomerates, dental professionals have a trusted name like Medidenta.

This family-run company that has served the profession for more than 65 years can now recyle products and disclose their scrap and waste. This service offers a profit center for the entire staff because even old jewelry can be turned into instant cash!

Medidenta is the home for direct pricing and huge incentives. Take advantage of Medidenta’s refining service and qualify for a bonus 10 percent off products, including current incentive programs available at www.meditenta.com.

Customer satisfaction is Medidenta's main priority The company wants your www.meditenta.com experience to be rewarding and pleasant. The Web site allows you to explore in more detail the new refining and recycling services and browse the general product catalog filled with time-saving, cost-effective products used in your everyday practice.

You can browse the Web site 24/7, and the company looks forward to serving all your needs today, tomorrow and well into the future.
Dentist helps girl with health challenges

By Fred Michmershuizen, Online Editor

Sometimes dental treatment can be a matter of life or death. Just ask Dr. Brian Nylaan of Grand Rapids, Mich., who recently used his skill, expertise and compassion — plus an invaluable piece of equipment — to treat a special patient with unique needs.

Born with spina bifida, Catherine had been neglected. By the time the 11-year-old wound up in foster care, her internal organs were dangerously compressed. Her condition had become so dire that doctors feared she would not survive unless they could perform surgery. But before they would operate, the surgeons insisted Catherine’s numerous dental infections be treated.

The problem was that Catherine, who had been heavily traumatized her whole life, would not let anyone near her mouth even for a cleaning, let alone for extractions or fillings. With no dental treatment there would be no surgery, and with no surgery she faced risk of death.

Luckily for Catherine, she was in good hands with a compassionate dentist, Nylaan, who knew that anything painful would be out of the question, first had his senior hygienists take all the time they needed to clean her teeth. Upon examination, he found several teeth that needed to be extracted. Knowing that a traditional mandibular block injection was out of the question, Nylaan used the Single Tooth Anesthesia (STA) system from Henry Schein to keep his patient comfortable.

“I had one thing going for me — one of her teeth was starting to hurt,” Nylaan told Dental Tribune. “So I looked at her, I got down on my knees, and I said, ‘I have this “nummy pen” here. It makes sounds and you will hear 10 hellos. As I continued to work, she became more cooperative and the look on her face started to change a little bit.”

He was able to remove seven teeth for Catherine, who went on to receive the spinal surgery. It was a success, and today Catherine is much happier and healthier. She loves animals, and she plans to someday become a veterinary assistant.

Henry Schein exclusive distributor for Dentatus narrow body implants in North America, Australia and New Zealand

Agreement expands Henry Schein’s offering to cover full breadth of dental implants

Henry Schein (NASDAQ:HSIC), the largest distributor of health care products and services to office-based practitioners, and Dentatus, an innovative designer and manufacturer of precision high-tech dental products, recently announced a five-year agreement establishing Henry Schein as the exclusive distributor of the Dentatus Atlas narrow body implant system in North America, Australia and New Zealand.

Through this agreement, Henry Schein will now be able to offer dental practitioners the full breadth of dental implants.

“In this important and growing market, the Dentatus Atlas system stands apart and is distinctly different from other systems, with clear benefits that shorten healing time and increase patient comfort,” said Stanley Bergman, chairman and CEO of Henry Schein.

“In North America alone, we estimate the edentulous population who could benefit from this technology to be approximately 50 million people, with projected 6 million new edentulous patients per year. We look forward to working closely with Dentatus to offer these important new products to our North American, Australian and New Zealand dental customers.”

The Dentatus Atlas implants were surrounded with the Tuf-Link Resilient Denture liner provides secure retention and cushioned patient comfort. The implant’s low profile eliminates the need to drastically reduce the denture, and its small diameter allows placement where significant bone loss has occurred without bone augmentation.

“The Atlas flapless surgical procedure, which is significantly less expensive than a conventional implant procedure, shortens healing time and reduces discomfort.”

The procedure requires no surgical incision and no sutures — both of which are typical for wider, more conventional implants — and it can be performed using only local anesthesia in the general dentist’s office in just 45 to 60 minutes.

“The patient can walk out of the office wearing his or her refitted denture right away.”

With Dentatus Atlas implants, dentists treaters of any age can experience healthier and better looking smiles with comfortable and fully functioning dentures. After undergoing the procedure, patients are able to keep their dentures in place while sleeping, brush them in the morning and treat them like natural teeth.

Dentures can be easily removed and reinserted without any stress. Patients are able to laugh, smile, maintain a nutritious diet and eat their favorite foods with confidence.

Dentatus Atlas implants provide patients with substantial relief from the pain and discomfort they previously endured with ill-fitting dentures, while stimulating the jawbone so less bone is lost. Dentures fit more comfortably and properly support facial features that may have been previously lost, enhancing a patient’s self esteem.

“In Henry Schein, we believe that we have found a sophisticated distribution partner that can compellingly communicate the significant benefits of the Dentatus Atlas system to dental professionals,” said Bernard Weissman, president of Dentatus USA.

“The company’s track record of success in growing technology-driven products is impressive, and we look forward to a close collaboration that will strengthen the position of this innovative implant system in these important markets.”

It was a pleasing outcome for Dr. Nylaan, who sees his role as a dentist not only to treat teeth, but to help his patients with their overall health.

“I would not have been able to treat Catherine without the ability to go in and numb up her teeth like I did,” Nylaan said. “This machine really saved this kid’s life.”

With its STA System, Milestone Scientific is changing the way local anesthesia is being delivered today. STA allows a dentist to perform all of the traditional injections that can be performed with a hand-held syringe, but in a superior manner, said Dr. Mark Hochman, who shares in the responsibility of inventing much of the technology currently available from Milestone Scientific.

The Dynamic Pressure Sensing (DPS) technology used by the STA System allows the dentist to precisely and accurately control and monitor needle pressure during an injection. The system provides continuous visual and audio feedback, so the dentist can optimize the rate of drug delivery.

“IT makes your excellent dentistry become an excellent experience for the patient, from the very beginning to the very end of the procedure,” Hochman said.

“With your anesthesia a single tooth in the mandible with instant onset,” Hochman said.


*when compared to leading materials

PhotoMed flash brackets

This is an advance preview of the R2 dual point flash bracket. The original R1 bracket was designed to allow the Nikon R1 macro flash to be better positioned near the end of the lens for intraoral views.

For more information, visit the Web site, www.photomed.net or call (205) 265-7397.