Get SMART; Incorporating Silver Diamine Fluoride
Into Your Dental Practice

Unless you’ve been living under a rock, you’ve probably heard some buzz about silver diamine fluoride (SDF) this past year. You may have even had friends or patients ask you about it thanks to a widely publicized article in the New York Times, “A Cavity-Fighting Liquid Lets Kids Avoid Dentist’s Drills.” You may not, however, have considered ordering SDF or using it in your practice. Much of the mystique stems from the fact that SDF was not part of the dental school curriculum for the vast majority of today’s practicing dentists.

I’ll admit I am a creature of habit and I hate change. When I first heard about SDF a few years back I was highly skeptical. It amazed me that the use of silver to treat caries is nothing new. In fact, its use dates back to the 1800’s. The father of modern dentistry himself, G.V. Black, routinely used silver nitrate to treat decay in children. Impressively, there are 10 randomized clinical trials that tout its efficacy and it has been used to treat decay for decades in other countries such as Australia, China, and Japan. Currently, I believe the single best piece of literature for any dentist curious about SDF to read is the UCSF Protocol for Caries Arrest Using Silver Diamine Fluoride from the January 2016 Journal of the California Dental Association.

It wasn’t until 2015 that silver diamine fluoride became commercially available in the United States as Advantage Arrest by Elevate Oral Care. The actual 2014 FDA approval was granted for treatment of dentinal hypersensitivity, however it is widely used off-label for caries arrest. In October of 2016 it was granted Breakthrough Therapy Designation by the FDA for the arrest of tooth decay. This is the only Breakthrough Therapy Designation ever received for an oral care medicine. Elevate Oral Care, the

(Continued) See Diamine Pg 3

Friday Night Jam With The Hegg Brothers Band!
Friday, May 19, 2017, 6:30 pm - 11:00 pm

Come enjoy dinner and entertainment by the “Hegg Brothers Band”. The Hegg Brothers Band is comprised of the two brothers and four members of The JAS jazz group. Together they cover a vast ground of musical styles and genres. With this flexibility and versatility, the group hopes to entertain all ages and demographics in attendance at their performance.

Tickets are $50 each or buy a table for 10 for $450. To reserve tickets register on the enclosed Annual Session registration form.
Emergency Department Referral Project Update

The number of patients in South Dakota who access hospital emergency departments (ED) for treatment of dental pain has steadily grown over the past fifteen years. At issue is the fact that no definitive care can be provided by emergency departments – only the prescribing of medication for infection and pain relief. While cases involving trauma are addressed by dentists who are on staff at the hospital, the majority of the cases are given palliative care by ED staff and told to seek care from a dentist. Too often those patients don’t get the definitive dental care they need and return to the emergency department again within a few weeks.

Beginning in June 2016 the SDDA has been working in partnership with the emergency departments of the Avera hospitals in Sioux Falls, Yankton, Aberdeen and Mitchell. Patients who present with dental pain at these locations are referred to the SDDA where our program manager, Brenda Goeden, works with the patient to secure an appointment with a local dentist. If there is a community dental health clinic nearby, the patients are referred there.

A total of 100 people were referred to the SDDA between June 1 and December 31, 2016. These referrals do not represent all of the dental cases seen at these hospitals but rather the ones the ED staff believe could benefit from being treated by a local dentist. The project is proving to be successful, but it is not without its challenges. All told more than half of the patients referred to the SDDA either couldn’t be reached or didn’t follow through with their referral or appointment. However, given the challenges associated with this population, getting dental care to almost half of those referred and preventing further visits to an ED can be considered a success. Approximately 60% of the patient visits resulted in the dental office getting paid, while the remainder were written off.

The future success of the project hinges on the participation of dentists in the local communities who will see the patient within a few days in order to provide them with pain relief.

St. Francis Mission Dental Clinic Off To A Great Start for 2017

The number of weeks of clinical care scheduled at the dental clinic at St. Francis has exploded this year. “Our partnership with the Mission is entering its fifth year”, said Dr. Jason Aanenson, President of the South Dakota Dental Association. Dr. Aanenson was one of the very first dentists to step foot in the clinic and he has seen an increase in volunteerism at the clinic each year since. “There’s been a slow but steady increase in the number of weeks that there are volunteers at the clinic, and the schedule for this year is really impressive,” added Aanenson. A visit from the ADA President, Carol Gomez-Summerhays last summer gave the clinic exposure to dentists from out of South Dakota, but the involvement of local dentists and dental groups has expanded greatly as well. Study clubs, dental schools, hygiene programs and individual dentists have all stepped up to increase the amount of dental care that is provided through the clinic located on the Rosebud Reservation.

“One person has had the experience of helping patients at the Mission they want to come back. I’ve supervised students and I’ve provided direct care to patients. Both experiences have been rewarding”, said Aanenson. “There’s more interest in what’s happening there and things just get better every year.”

The schedule for 2017 includes two study clubs, three dental schools, the USD Dental Hygiene Program, the Delta Dental Mobile Program, SDDA members and out of state dentists. “That’s the mix of volunteers we’ve been working toward,” said Marty Jones who manages the clinic at the Mission. “Volunteers come here wondering what we’re all about, but when they’re done, they all say they’ll be back,” added Jones.

The clinic still has several weeks during which they will need volunteers, including Rosebud Dental Days, which is the SDDA’s volunteerism program at the Mission. The schedule of available dates can be found on the clinic’s website: www.sfmdental.org.

To volunteer contact: Marty Jones (Marty.Jones@sfmission.net) at the St. Francis Mission Dental Clinic; 605-747-2142

Annual Session Table Clinics

Have you developed a new technique? Have you obtained exceptional results with a particular product or method? Have you something to share that might help the dental professional do its job better? Then by all means, make plans to present a table clinic during the 2017 Annual Session. Table clinics will be held in Exhibit Hall 1 of the Sioux Falls Convention Center on Friday, May 19 from 11:30AM to 12:30PM.

If you’d like a Table Clinic application email brenda.goeden@sddental.org, or print off a form from the SDDA website at: http://www.sddental.org/meetings-events/sdda-annual-session/registration
A Dental Offices’ Role in Diabetes Education and Prevention

By Melissa Coull, Diabetes Clinical Outreach Coordinator, South Dakota Department of Health and Ben Tiensvold, Assistant Coordinator, South Dakota Diabetes Coalition

In South Dakota, over 218,000 individuals (35.5 percent of the adult population) have prediabetes. Additionally, over 80,000 people in South Dakota have diabetes, with over 21,000 (or 1 out of 4) not even knowing it. These individuals who are unaware they have type 2 diabetes could have prevented or delayed the onset of type 2 diabetes through simple diet and exercise changes.

For patients diagnosed with prediabetes (or at risk for developing type 2 diabetes), two simple lifestyle changes can drastically decrease the chances of developing type 2 diabetes, or at least delay the onset of type 2 diabetes: losing 5 to 7 percent of body weight and increasing physical activity to 150 minutes per week. Often times, dentists and dental staff can tell if a patient has been overconsuming sugary drinks and foods. By educating a patient about the effects these sugary drinks and foods are having on their teeth, a dentist or dental staff member can help a patient learn healthier eating habits. These habits will not only decrease the patient’s chances of developing cavities and tooth decay, but also assist in some indirect weight loss – which can in turn assist in delaying or preventing type 2 diabetes.

Currently, the South Dakota Department of Health and South Dakota Diabetes Coalition provide four (4) resources for dentists to use when educating patients about diabetes and prediabetes.

The following resources are available for free to dentists and their staff to help inform patients with diabetes:

- Diabetes and Your Mouth – A square, front and back handout providing the basics of how diabetes affects oral health – from periodontal disease to information about tobacco cessation.
- Your Guide to Diabetes – A 30-page booklet that enables a patient to take control of their healthcare and track their progress, from clinical measurements and achievements, to dates of appointment visits (such as dental cleanings) and insurance information.

The following resources are available for free to dentists and their staff to help educate patients about prediabetes:

- Risk Test Rack Card – While waiting at the dentist, patients can take a quick, eight question risk test to find out if they are at risk for developing type 2 diabetes. This card is CDC-sourced and can be given out in the waiting room or given to a patient to review while waiting in the dental chair.
- What is Prediabetes? Rack Card – This card complements the risk test card and provides more information about prediabetes and connecting with a primary care provider for a blood sugar test.

All four materials can be ordered for free in bundles of 50 by visiting the South Dakota Department of Health website at [http://doh.sd.gov/catalog](http://doh.sd.gov/catalog) and selecting the “Diabetes” tab or by emailing info@sddiabetescoalition.org.

**Diamine continued from cover**

manufacturer of Advantage Arrest (38% silver diamine fluoride), estimates, based on their market analysis, that SDF adoption has been 4-6 times faster than the adoption of unit-dose fluoride varnish.

**About the Author:** Dr. Jeanette MacLean is a private practice pediatric dentist and owner at Affiliated Children’s Dental Specialists. She is a Diplomate of the American Board of Pediatric Dentistry, her clinical research has been published in the AAPD journal, Pediatric Dentistry, she has written featured articles for Dentaltown, and she has been featured in the New York Times and on Good Morning Arizona for her use of Silver Diamine Fluoride.

**Foundation Grant Applications**

The SDDF Endowment Fund was created in order for the Foundation to provide financial support to the people, organizations and causes that advance the dental profession in South Dakota. Contributions are awarded for:

- dental health projects for the underserved
- dental and auxiliary student activities and scholarships
- dental education programs for the dental professional and the public
- continuing education and promotion of professional ethics
- recruitment of dentists and dental students to South Dakota

For more information and an application, please go to our web site at [http://www.sddental.org/sd-dental-foundation/grants-and-gifts](http://www.sddental.org/sd-dental-foundation/grants-and-gifts). Applications are due April 1. Awardees will be notified within 60 days of the application deadline.
CONTINUING EDUCATION CALENDAR  
Spring 2017

The listing of these programs is provided as a service to SDDA Newsletter subscribers, and does not mean that these programs have been endorsed or approved by the SD Dental Association or the SD State Board of Dentistry. All members are cautioned to evaluate the programs on their own merit.

SDDA ANNUAL SESSION  
Contact: Brenda Goeden 605-224-9133  
www.sddental.org  
May 18-20, 2017 Sioux Falls, SD  
Registration forms are included as a supplement in this newsletter.

WESTERN DAKOTA TECHNICAL INSTITUTE  
Contact: 605-718-2410  
April 14 & 15; June 9 & 10; or Aug 18 & 19, 2017  
- Nitrous Oxide Class  
- Dental Radiology  
- Third Friday of the Month, mornings  
- American Heart Association CPR Class for Healthcare Professionals  
- Third Friday of the Month, afternoons  
- American Heart Association Healthcare Provider CPR Recertification

LAKE AREA TECHNICAL INSTITUTE  
Contact: Amy Meadors 800-657-4344, ext. 378  
amy.meadors@lakeareatech.edu  
Home Study Radiology Courses available:  
- Radiology Safety  
- Radiography Production

UNIVERSITY OF SOUTH DAKOTA  
Contact: Dept. of Dental Hygiene 605-677-5379  
Home Study Radiology Courses available:  
- Digital Radiography, Advantages & Disadvantages  
- Exposure Errors of Periapicals & Bitewings  
- Processing Errors  
- Occlusal Exposures for Children  
- Oral Effects of Head & Neck Radiation Therapy  
- Panoramic Radiography  
- Radiation Safety  
- Vertical Bitewings  
- Fluoride Varnish, Indication & Application

Opinions expressed in the Dental Forum may not be those of the South Dakota Dental Association. Advertising rates and circulation data will be furnished by request.