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Silver Diamine Fluoride

What is silver diamine fluoride?

Silver diamine fluoride (SDF) is a cavity-arresting liquid. Since the 1970s, SDF has been accepted as a therapeutic agent in Japan. The Food and Drug Administration (FDA) recently approved SDF for clinical use. The silver acts as an antimicrobial while the fluoride promotes remineralization of the affected tooth.

How is it applied?

1. Dry the affected area.
2. Place a small amount of SDF on the affected area.
3. Allow SDF to dry.
4. Rinse.

What are the side effects?

The affected area of the tooth will stain black. Healthy tooth structure will not stain. Stained tooth structure may be replaced with dental restoration in the future.

Are there any contraindications for its use?

If your child is allergic to silver, its use is not recommended.

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Consent For Silver Diamine Fluoride Treatment

Child's Name: _____ Date of Birth: _____

Parent's or Caregiver's Name: _____

I understand that my child is having the following treatment performed: Silver Diamine Fluoride treatment to help stop cavities from progressing.

I may refuse this treatment. Other treatment options may include: fluoride varnish, fillings, tooth removal, or advanced procedures.

My dentist will: Dry the tooth. Put a small amount of Silver Diamine Fluoride on the cavity. This will help to stop the cavity. This may need to be done again at future appointments in order to successfully stop the cavity from progressing. I understand that treated teeth may still need other treatments, such as fillings, crowns, or tooth removal. I will tell my dentist if I might have a silver allergy. I will tell my dentist if I have had ulcerative gingivitis or stomatitis in the past.

Side effects:

1. It is very important that you are made aware that treating cavities with this medicine will cause the areas of the tooth with active dental decay to turn black as the medicine is working. The healthy areas of the tooth will not be affected and will remain your child's natural tooth color. The black color indicates that the treatment is working.
2. Fillings and crowns may also change color if Silver Diamine Fluoride gets on them.
3. If Silver Diamine Fluoride touches the skin or gums, they may turn brown. The stain will not harm my child. The stain will not wash off. It will go away in 1-3 weeks.
4. These side effects may not include all of the possible situations reported by the manufacturer. I will let my dentist know if I notice any other side effects.

After the Silver Diamine Fluoride treatment, I will avoid food and drink for one hour. This will help the treatment to work better.

I AGREE THAT: I HAVE READ AND UNDERSTOOD THIS FORM. MY DENTIST EXPLAINED AND ANSWERED MY QUESTIONS ABOUT THE TREATMENT: BENEFITS, SIDE EFFECTS, AND RISKS. MY DENTIST TOLD ME ABOUT OTHER OPTIONS AND THEIR RISKS AND BENEFITS. I HAVE HAD THE CHANCE TO ASK QUESTIONS. I CONSENT TO THIS TREATMENT.

Parent/Legal Guardian Signature _____ Date: _____

Relationship to Child _____ Witness _____

Sample pictures of teeth treated by Silver Diamine Fluoride

