

## CariFree Mouthwash

### What is Caries?

Caries is the professional term used for a bacterial infection that causes cavities in our teeth. Caries infection occurs when the oral environment allows the infectious bacteria to take hold.

### What is CariFree?

CariFree is a system that assess a patient's risk factors for decay along with technology for diagnosing the caries infection.

CariFree provides products for both adults and children that treat and prevent the infection therefore lowering the risk of decays.

There are many anti-cavity and decay preventing mouth washes out in the market these days: but do they work? To prevent caries we need to have a basic understanding of the PROCESS:

Decay process needs time, bacteria and an acidic environment.

### Caries Treatment

Treating caries infection involves eliminating the current infected population of bacteria from the biofilm as well as altering the environment to ensure that they do not return.

This process is two fold, using broad range antimicrobial agents to treat the infection but also using alkaline or basic products to leverage the pH.

This ensures bacteria and promotes healthy bacteria growth.

### How can CariFree Mouthwash help?

The CariFree system has been researched and tested. Clinical studies have proven that it is designed to treat the cavity causing plaque biofilm. (*Biofilm is a community of bacteria attached to a surface*).

There are three main components found in CariFree mouthwashes: Xylitol, Fluoride and patent pending Ph + technology.

#### Xylitol:

This is a natural sweetener and is found in fruits, vegetables, chewing gums and toothpaste, to name a few.

It has been proven to greatly reduce the strength and acidity of biofilm. This occurs when biofilm comes into contact with Xylitol, not sugar in the mouth.

Oral bacteria cannot breakdown xylitol, therefore the cavity causing bacteria cannot produce the acids that breakdown teeth, causing erosion and decays.

In addition to aiding in the prevention of cavities, xylitol can also;

- \*Help to reduce the development of cavities.
- \*Reduce plaque formation
- \*Increase saliva flow to aid in the repair of damaged enamel.
- \*Compliments fluoride in oral hygiene products.

#### Fluoride:

Fluoride is beneficial in the remineralization of weakened tooth structure.

Fluoride is needed to strengthen teeth that have had acid attacks, which in the majority of people, occurs daily.

### **Changing PH:**

The patent pending pH of CariFree rinse is alkaline. This means rinsing your mouth with this solution will lower Ph of your saliva, to help reduce the decay rate.

### **PRODUCTS**

Here at Hartwell Dentistry, our team of dentist and hygienists recommend the use of both the treatment and maintenance rinse for those patients with a high risk a decays.

### **TREATMENT RINSE:**

Treatment Rinse is designed to treat cavity – causing plaque biofilm, reduce the over population of cavity causing bacteria and neutralise decay causing acids.

Treatment rinse is good for:

- \*Any patient who has cavities or has had cavities in the last three years.
- \*Patients who have been determined to be a high risk for decay, even if no cavities currently exist.
- \*For patient experiencing bad breath
- \*Improving the health of teeth and gums

### **MAINTENANCE RINSE:**

Maintenance is designed to promote healthy bacterial growth and limit the growth of decaying cavities.

Maintenance is good for;

- \*Patients wanting to prevent cavities
- \*Those who enjoy rinsing after brushing as part of their routine
- \*Adults and children ages 6 and up
- \*Patients who don't have the ability to brush and floss perfectly.