Current research

links gum disease

to serious systemic diseases.

It's about your
health.

Healthy Teeth

SCIENTIFIC RESEARCH

New research studies show a connection between gum disease (periodontitis or gingivitis) and serious systemic diseases including:

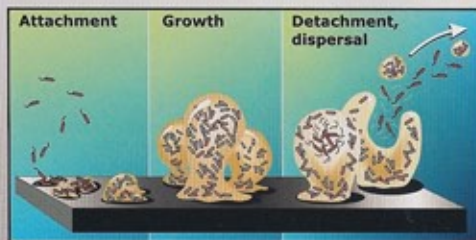- Diabetes
- Heart Disease
- Respiratory Disease
- Blood Clots and Strokes
- Preterm and Low Birth Weight Babies
- Pancreatic Cancer
- Alzheimer's Disease

The theories linking gum disease to other diseases explain that the infection in your gum tissue may serve as an entry point for bacteria to invade your body. If you have been diagnosed with gum disease, pathogenic bacteria are likely forming colonies that cause localized inflammation and damage in your gum tissue. Those bacteria may enter the blood stream through small ulcers to be spread throughout the body.

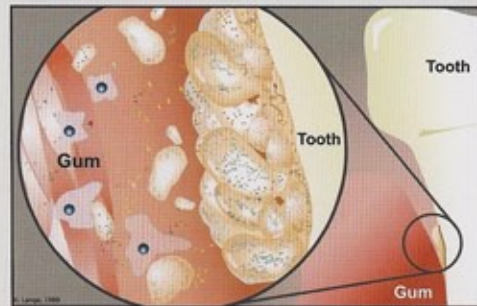Attachment | Growth | Detachment, dispersal

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The growth of bacteria in periodontal pockets occurs in three stages. After the first stage of attachment,

Healthy Body

the bacteria form a colony with a filmy or slimy protective covering. The most advanced stage of bacterial growth involves clumps of bacteria detaching from the colony to form new infections.

Tooth
Tooth
Gum
Gum

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The bacterial infection, like the colony growing on the tooth surface in this illustration, spreads when small clumps of bacteria detach in a "seeding" effect to form new infections. Left unchecked, bacteria growing in the protective colonies in periodontal pockets can destroy the teeth and eventually the bone supporting the teeth. Because the bacteria may spread through your body to threaten more than your teeth and gums, it is important to talk to your doctor about your risk factors and treat any infected areas of your mouth.

ASSESSING YOUR RISK FACTORS FOR DISEASE

People who have a family history of disease may be genetically predisposed and need to discuss ways to protect their health with their physician. It is important for everyone to eat right, not smoke, and take care of their oral health. If the mouth is a portal for bacteria into the body, the best way to stop the

disease is where it starts. Perio Protect® offers a comfortable and extremely effective, non-invasive method to heal and protect your gum tissue.

EFFECTIVE HOME CARE

The Perio Protect Method™ uses a Perio Tray™ to direct and hold antimicrobial medication at the source of the infection and kill the bacteria causing disease in the gum tissue. The genuine Perio Tray™ shown here is an FDA cleared medical device, manufactured according to the highest quality standards.

Perio Protect's® patented Perio Tray™ system.

Your doctor may prescribe an antimicrobial with hydrogen peroxide as the active ingredient. Hydrogen peroxide is:

- Naturally occurring (formed by white blood cells and by action of sunlight on water).
- Able to penetrate the protective covering of a bacterial colony.
- A powerful oxidizer to kill bacteria causing disease.
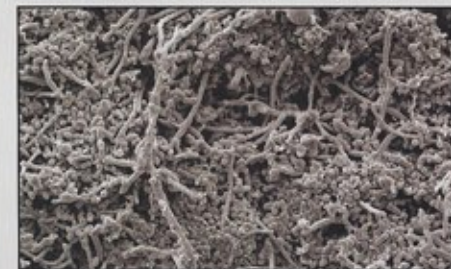
WHAT ELSE SHOULD I KNOW?

In order to protect yourself, you need to follow the treatment schedule prescribed for you. As many dentists explain to their patients, "If you use it, it works."

As healing occurs, your dentist will decrease the wearing time until your gum tissue is healthy. Once you have the disease under control, following a simple maintenance schedule will help maintain a clean oral environment and help protect your body from dangerous bacteria and disease.

PROTECT YOURSELF

Perio Protect® treatment has been shown to be effective at killing the bacteria in periodontal pockets. A team of world renowned micro-biologists working at the University of Southern California used a scanning electron microscope to analyze and record images of bacteria in periodontal pockets before and after Perio Protect® treatment. The scientists determined that after 17 days of Perio Protect® treatment 99.98% of the disease-causing bacteria were killed.

Some of these bacteria have been found in the heart, lungs, brain and arteries. If the mouth is a portal for the bacteria into the body, the best way to stop disease is where it starts. Use Perio Protect® to protect yourself.

Bacterial growth in a periodontal pocket before Perio Protect® treatment.

After Perio Protect® treatment almost all of the disease-causing bacteria have been killed.