

# Healthy Teeth. Healthy Body.

## THE SCIENCE

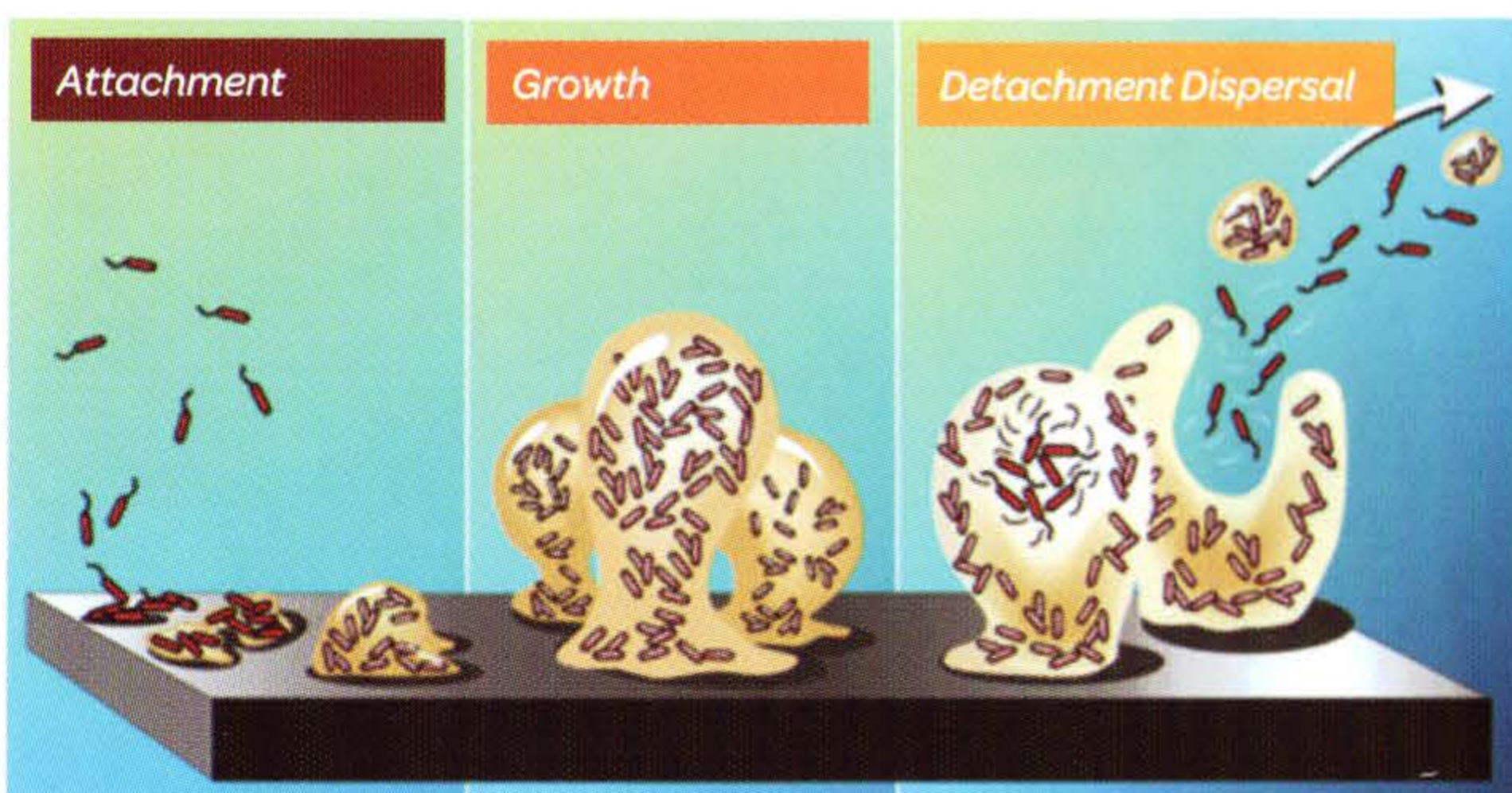
Research shows a connection between gum disease (periodontitis or gingivitis) and serious health concerns including

- type 2 diabetes
- cardiovascular diseases
- hardening of the arteries
- respiratory diseases
- Alzheimer's disease
- low birth weight babies
- chronic inflammatory conditions.

One theory for this connection explains that oral bacteria enter the body through infected gum tissue. Gum disease starts when bacterial communities, called biofilms, form in periodontal pockets below the gum line. The biofilms cause infections and small, bleeding wounds in the tissue, through which bacteria may enter the blood stream and spread throughout the body.

## BIOFILM GROWTH

The growth of bacterial communities in periodontal pockets occurs in three stages. After the first stage of attachment, bacteria multiply to form a biofilm covered by a slimy protective layer. During the most advanced stage of bacterial growth, clumps of biofilm detach in a seeding effect to spread and form new infections.



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## TREATMENT OPTIONS

Professional cleanings called debridement and scaling are the most common procedures used to remove biofilms at the dental office. The Perio Protect Method® combines these procedures with the prescription Perio Tray® delivery of medication at home.

*The Perio Tray® shown here is manufactured according to the highest quality standards. You can tell your tray is the genuine Perio Tray® from Perio Protect by the blue logo.*



The customized Perio Tray® has a special sealing system that keeps medication below the gum line to fight infections. This is important because oral biofilms regenerate very easily and grow below the gums where toothbrush and floss cannot easily reach, making them difficult to control between office visits.

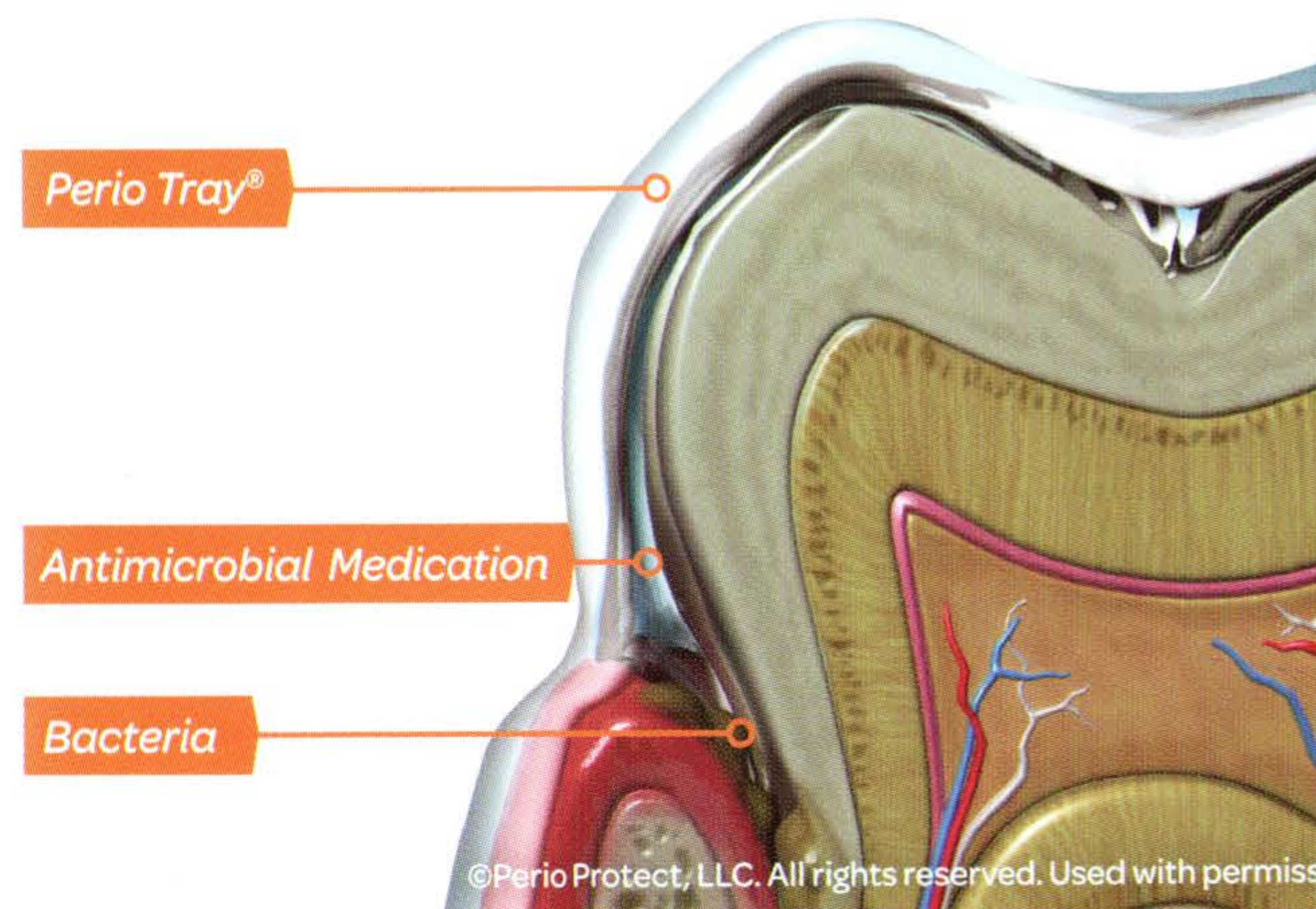
You use the Tray with prescribed medication at home for just minutes each day. Research shows that combining debridement and scaling with Perio Tray® delivery leads to better results than debridement and scaling alone.

## ASSESSING YOUR RISK FACTORS

People who have a family history of disease may be genetically predisposed and should discuss ways to protect their health with their physician. It is important for everyone to eat right, exercise, and avoid tobacco usage. It is also important to take care of your oral health.

Oral 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. Perio Protect® offers a comfortable and effective non-invasive option to help heal and protect gum tissue.

Oral bacterial growth and infections prompt an inflammatory response locally in the gum tissue and systemically in the body. Left unchecked, oral infections can lead to the destruction of your teeth and the bone supporting your teeth. There may also be wider inflammatory effects on your body, so it is important to talk with your doctor about your risk factors and treat any infected areas of your mouth.



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