

A microscopic view of numerous rod-shaped bacteria, likely periodontal pathogens, against a blue background.

FACE IT. **YOU'RE OUTNUMBERED.**

PERIODONTAL DISEASE MEANS YOU HAVE  
**MILLIONS OF HARMFUL BACTERIA** CAUSING  
DAMAGE DEEP UNDER YOUR GUMLINE—  
WHERE BRUSHING AND FLOSSING CAN'T REACH.

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Your dental team can help you fight it, with professional treatment that includes an **antibiotic like ARESTIN®**.

**Arestin®**   
minocycline HCl 1mg  
**MICROSPHERES**

# WHAT IS PERIODONTAL DISEASE?

Every mouth has good and bad bacteria. When you have periodontal disease, it means you have millions of harmful bacteria that have multiplied under your gumline and started an infection.

PERIODONTAL DISEASE IS COMMON, BUT SERIOUS.



**Three out of every four** American adults develop some degree of periodontal disease

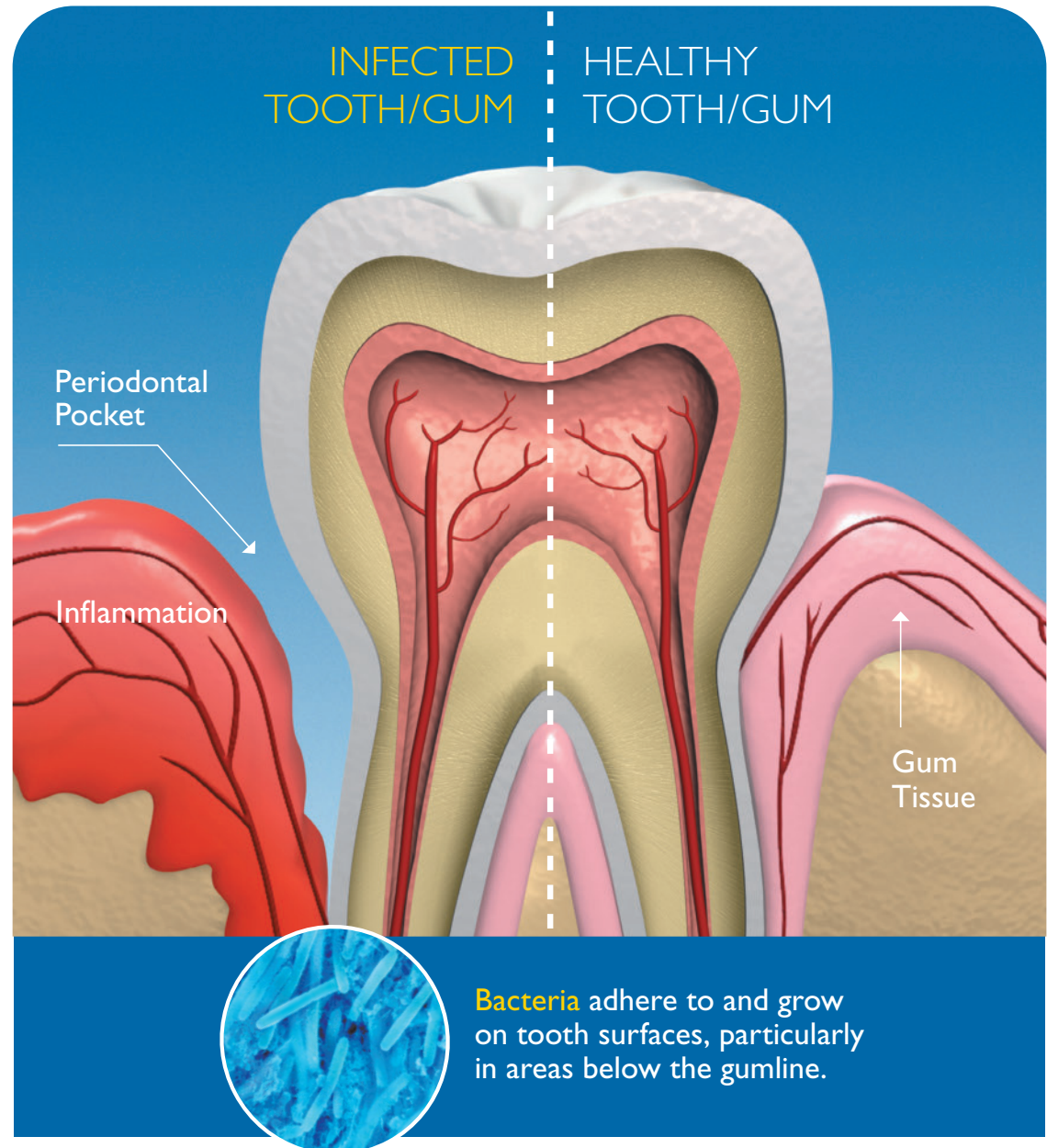


**Some people have a higher risk**

- Family history of periodontal disease
- Smokers
- Other diseases such as diabetes



Periodontal infections are the **#1 cause of adult tooth loss** in the United States







**Bacteria** adhere to and grow on tooth surfaces, particularly in areas below the gumline.



# HOW DOES PERIODONTAL DISEASE PROGRESS?

Even with an active periodontal infection **you may not have any visible signs at first**, but if left untreated, here's what could happen...

		What is happening in your mouth	What you might experience
HEALTHY		<ul style="list-style-type: none"> <li>• Pink gum tissue</li> <li>• Right balance of bacteria</li> <li>• Tight hold on teeth</li> </ul>	<ul style="list-style-type: none"> <li>• No signs</li> </ul>
GINGIVITIS		<ul style="list-style-type: none"> <li>• Bacteria and plaque build up under gumline</li> <li>• Infection of gum tissue</li> </ul>	<ul style="list-style-type: none"> <li>• Slight irritation of gums</li> <li>• Slight redness or swelling of gums</li> </ul>
MILD OR MODERATE PERIODONTAL DISEASE		<ul style="list-style-type: none"> <li>• Bacteria multiply causing greater inflammation</li> <li>• Gum tissue pulls away from tooth creating "pockets"</li> <li>• Bone loss around teeth</li> </ul>	<ul style="list-style-type: none"> <li>• Blood around teeth or in sink after brushing or flossing</li> <li>• Red, swollen, or tender spots on gums</li> <li>• Bad breath that won't go away</li> </ul>
ADVANCED PERIODONTAL DISEASE		<ul style="list-style-type: none"> <li>• Bacteria grow more quickly within pockets</li> <li>• Further breakdown of gum tissue</li> <li>• Extensive bone loss around teeth</li> </ul>	<ul style="list-style-type: none"> <li>• Consistent blood on brushing or flossing</li> <li>• Sensitive teeth and inflamed gum tissue</li> <li>• Loosening and possible loss of teeth</li> </ul>

Images courtesy of Larry A. Sweeting, DDS

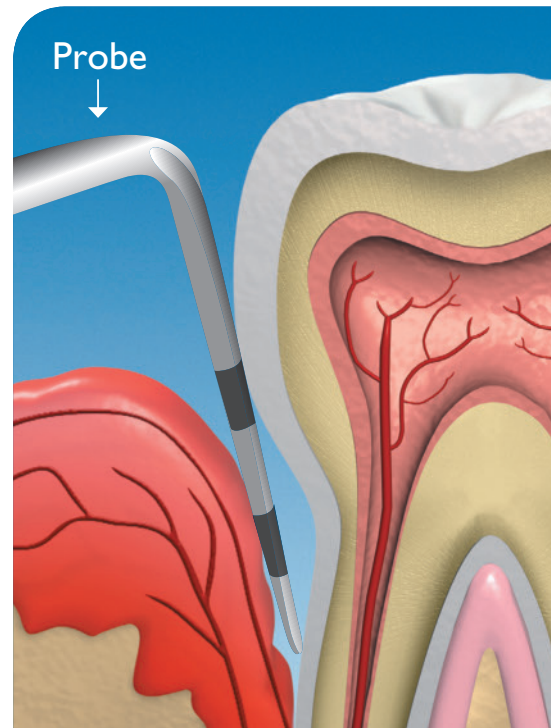


Evidence suggests advanced periodontal disease may be linked to serious health conditions such as heart disease, stroke, or diabetes.

# HOW WE DIAGNOSE PERIODONTAL DISEASE.

We assess periodontal disease by:

- Measuring the pockets that have formed between your teeth and gum tissue
- Reviewing your X-rays to look for bone loss
- Looking for bleeding and inflammation of your gums

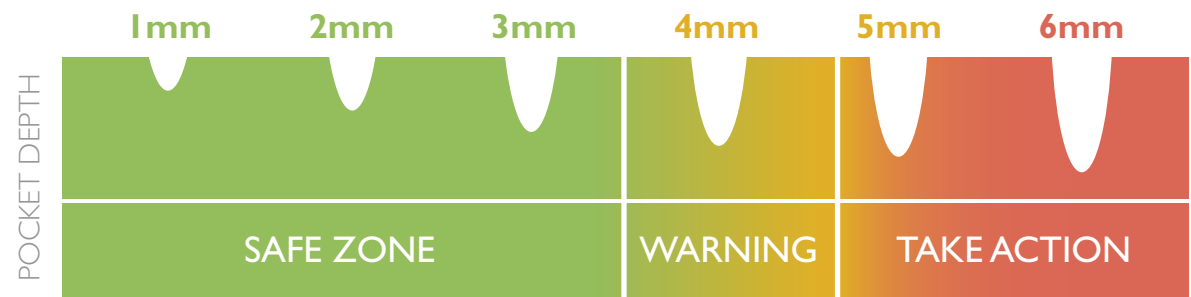


A probe, like a tiny ruler, is used to measure your pockets.

Deeper pockets mean you have a more advanced infection.

You can have more than one infected pocket around each tooth and more than one infected tooth.

UNDERSTANDING  
WHAT YOUR  
NUMBERS MEAN.



A pocket of 4mm or more in size may mean you have an infection.

# HOW PERIODONTAL DISEASE IS TREATED.

## Scaling and root planing (SRP)



- Scaling with a special hand instrument or ultrasonic instrument to scrape away bacterial deposits above and below the gumline.
- Root planing to smooth rough spots on tooth roots and promote healing.

## Antibiotic medication



- We will place the medication, ARESTIN® to kill the bacteria causing the infection.
- ARESTIN® (minocycline hydrochloride) Microspheres, 1 mg starts working immediately and fights infection and inflammation for **30 days**.<sup>1,2</sup>
- Provides significantly better results than SRP alone for **up to 90 days**.<sup>3</sup>

## Good oral hygiene

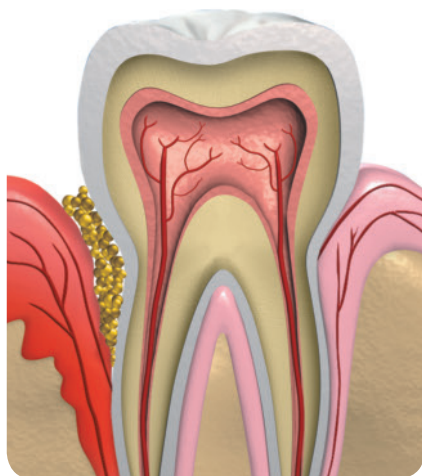


- Follow any special instructions our dental office provides.
- Practice good oral hygiene by sticking to a daily BRUSH, FLOSS & RINSE™ routine, using an ADA-accepted antimicrobial rinse, such as LISTERINE® Antiseptic.
- Schedule and keep appointments for regular check-ups.

ARESTIN® is indicated as an adjunct to scaling and root planing (SRP) procedures for reduction of pocket depth in patients with adult periodontitis. ARESTIN® may be used as part of a periodontal program which includes good oral hygiene and scaling and root planing.

**References:** 1. Goodson JM, Gunsolley JC, Grossi SG, et al. Minocycline HCl microspheres reduce red-complex bacteria in periodontal disease therapy. *J Periodontol* 2007;78(8):1568-1579. 2. Oringer RJ, Al-Shammari KF, Aldredge WA, et al. Effect of locally administered minocycline microspheres on markers of bone resorption. *J Periodontol* 2002;73:835-842. 3. Williams RC, Paquette DW, Offenbacher S, et al. Treatment of periodontitis by local administration of minocycline microspheres: a controlled trial. *J Periodontol* 2001;72:1535-1544.

# HOW ARESTIN® WORKS.



ARESTIN® is an antibiotic placed directly in the infected “pockets” in your gums. It’s applied right after scaling and root planing (SRP) to kill harmful bacteria left behind and to help protect the area from further damage.

Because of its microsphere technology, ARESTIN® adheres to your pockets and gradually releases minocycline, an antibiotic that kills bacteria right at the source.

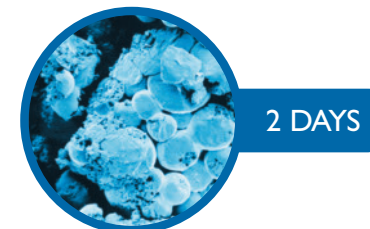
## CLINICAL TRIALS HAVE SHOWN THAT:

- ARESTIN® + SRP reduced harmful bacteria by **nearly twice** as much as SRP alone.<sup>1</sup>
- ARESTIN® + SRP fights infection and inflammation for **30 days**.<sup>1,2</sup>
- ARESTIN® provides significantly better results than SRP alone for **up to 90 days**.<sup>3</sup>
- ARESTIN® + SRP are nearly **3X more likely** to result in successful treatment than SRP alone.<sup>3</sup>

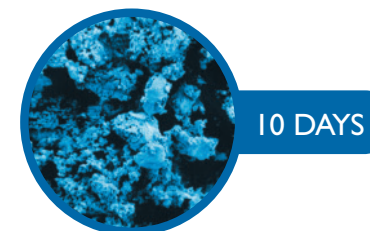
ARESTIN® microspheres release minocycline over time.



START



2 DAYS



10 DAYS

**ARESTIN® keeps working for 30 days.<sup>1</sup>**

ARESTIN® contains minocycline, a tetracycline derivative, and therefore should not be used in children and in pregnant or nursing women. The use of drugs of the tetracycline class during tooth development may cause permanent discoloration of the teeth.

**References:** 1. Goodson JM, Gunsolley JC, Grossi SG, et al. Minocycline HCl microspheres reduce red-complex bacteria in periodontal disease therapy. *J Periodontol* 2007;78(8):1568-1579. 2. Oringer RJ, Al-Shammari KF, Aldredge WA, et al. Effect of locally administered minocycline microspheres on markers of bone resorption. *J Periodontol* 2002;73:835-842. 3. Williams RC, Paquette DW, Offenbacher S, et al. Treatment of periodontitis by local administration of minocycline microspheres: a controlled trial. *J Periodontol* 2001;72:1535-1544.



# WHAT COULD HAPPEN WITHOUT TREATMENT.

Brushing, flossing, and rinsing are not enough when you have a periodontal infection. The multitude of harmful bacteria, stuck deep below your gumline, cannot be removed by a toothbrush or floss.

WITHOUT A PROFESSIONAL PROCEDURE AND TREATMENT, PERIODONTAL DISEASE CAN:



- Cause inflammation and bleeding
- Spread to other areas of your gums and to supporting bone



- Create pockets between the tooth and gum
- Cause gum recession and bone loss



- Require surgery to restore lost gum tissue and bone
- Cause tooth loss

Image courtesy of Charles M. Cobb, DDS, MS, PhD



Evidence suggests advanced periodontal disease may be linked to serious health conditions such as:

Heart disease | Stroke | Diabetes

Although you might be outnumbered,  
together we can fight the bacteria that cause periodontal disease.

ARESTIN® — along with timely professional treatment — starts working now and provides significantly better benefits up to 90 days.<sup>1</sup>

Consistent oral hygiene at home and regular visits to our office will keep periodontal disease from fighting back.

For full prescribing information or to learn more about ARESTIN®, visit [www.arestin.com](http://www.arestin.com)

1. Williams RC, Paquette DW, Offenbacher S, et al. Treatment of periodontitis by local administration of minocycline microspheres: a controlled trial. J Periodontol 2001;72:1535-1544.

ARESTIN® (minocycline hydrochloride) Microspheres, 1 mg is indicated as an adjunct to scaling and root planing (SRP) procedures for reduction of pocket depth in patients with adult periodontitis. ARESTIN® may be used as part of a periodontal maintenance program which includes good oral hygiene, and scaling and root planing. ARESTIN® contains minocycline, a tetracycline derivative, and therefore should not be used in children and in pregnant or nursing women. The use of drugs of the tetracycline class during tooth development may cause permanent discoloration of the teeth. The most common treatment-emergent adverse events were headache (9.0%), infection (7.6%), flu syndrome (5.0%), and pain (4.3%). These occurred at a similar rate to SRP and SRP + placebo.