



## Oxygen and Ozone Mad Science in Dentistry



When one of my patients first saw the apparatus for ozonating water in our office, he asked me, "What is that setup, Dr. Frankenstein?"

Ozone clearly has many uses in a dental office, but we are most excited about using **pure ozone/oxygen gas to treat deep cavities that reach the nerve. This allows us to avoid root canal in 80 percent of cavities that go into the nerve, sparing patients the expense and inconvenience of a root canal.** Ozone avoids root canal by following the following three steps:

- 1** Using the laser and high power magnification the cavity is cleaned out thoroughly being careful to protect the area that is next to the nerve.
- 2** Ozone gas and Ozonated water disinfect the deep portions of tooth especially those areas close to the nerve. AS we mentioned Ozone is 3,000 times more effective than other disinfectants.
- 3** The deep cavity and nerve tissue are sealed and protected and the tooth is restored with a filling or onlay.

### The Ozone Advantage

What makes oxygen and ozone so effective in disinfecting waterlines and deep cavities, and for whitening discolored teeth?

Neutrophils are the protective cells in your body. These cells fight bacteria by rapid generation and release of reactive oxygen. They create an "oxidative burst" which has the ability to kill bacteria and viruses by exploding the cell wall without damaging healthy cells of the body. We use oxygen and ozone in a similar way to create an "oxidative burst" which is very powerful in attacking bad breath and whitening teeth. Ozone disinfects 3,000 times better than bleach, chlorine, or other commonly-used disinfectant chemicals, with virtually no side effects. If you have a retainer, partial or full denture or night guard, you may want to invest \$50 in the NatureZone™, a home ozone disinfectant. Ozone and UV light reach deep into porous materials to clean and disinfect and eliminate the smell created by the bacteria, viruses, molds, yeasts, and other deadly pathogens.

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