

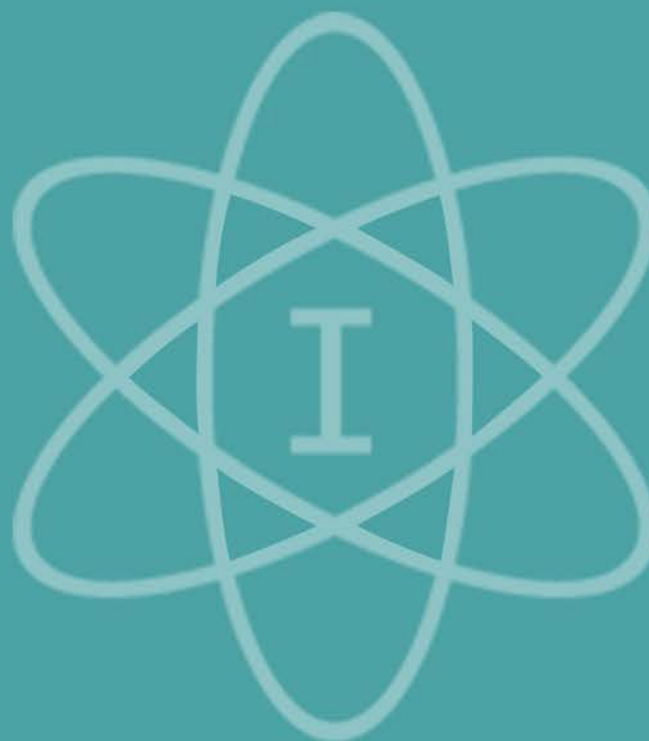
# Representative dental clinical studies demonstrating iodine superiority

## Authors

Clark et al.  
Wolff et al.  
Ueda et al.  
Cigana et al.  
Maruniak et al.  
Forabosco et al.  
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Chidzonga  
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Okudas et al.  
Rahn et al.  
Redleaf & Bauer  
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Kovesi  
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## Outcome Variables

Plaque and Papillary bleeding  
Gingival bleeding  
Clinical periodontal variables  
Clinical and histological variables  
Gingival bleeding upon probing  
Periodontal pocket depth reduction  
Gingivitis  
Acute phase resolution of cancrum oris  
Subgingival total viable bacterial counts  
Subgingival microbiota and bacteremia  
Salivary microbiota  
Bacteremia  
Clinical wound healing  
Oral mucositis after antineoplastic tx  
Prevention of infections after surgery  
Oral microbiota  
Microbiota of cheek mucosa and saliva  
Incidence of early childhood caries  
Periodontal disease and wound infections  
Periodontal disease and bacteremia



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# The role of iodine in the control of gum disease

## Identifying The Problem:

Gum disease (periodontal disease) is an infection that affects the tissue supporting your teeth. It begins with an inflammation of the gums and can lead to the destruction of supporting bone and eventual loss of teeth. It's possible to have periodontal disease without apparent symptoms. When symptoms do occur, they can include bleeding gums, swollen or tender gums, separation of the gums from your teeth, persistent bad breath, pus between the teeth and gums, loose or separating teeth, a change in the way your teeth fit together when you bite and pain or discomfort.





The control of periodontal disease is important because it is so widespread and, if left untreated, the consequences can be so severe, both within your mouth and throughout your body. Indeed, periodontal disease has reached epidemic proportions .....affecting 75-80% of adults, globally.

The potential consequences of periodontal disease include pain, expense, cosmetic disfigurement, loss of chewing ability and tooth loss. Research has also linked periodontal disease to other important illnesses such as diabetes, cardiovascular disease, stroke, rheumatoid arthritis, respiratory diseases, increased risk of pregnancy complications and even cancer.

## Why iodine?

Iodine has been in continuous therapeutic use for over 5,600 years. It is so safe that it is actually an essential nutrient, required by our bodies to avoid iodine deficiency diseases. Governments around the world even require that iodine be added to common table salt (iodized salt) as an inexpensive public health measure to insure adequate quantities of dietary iodine. It is also one of the most effective germ-killing agents known to man. It rapidly destroys a broad range of germs, including bacteria, fungi, viruses and spores. The bacteria responsible for periodontal disease are quickly destroyed in its presence. Iodine, unlike antibiotics and other germ-killing agents, does not allow the development of resistance by the bacteria it is targeting. This unique combination of extreme safety,

effectiveness and lack of bacterial resistance make iodine an ideal agent in helping to control periodontal disease, both in the dental office and for daily at-home use. Leading dental researchers and dozens of clinical studies have validated iodine as a treatment of choice in helping to control periodontal disease.

## Why molecular iodine?

The iodine used in hospitals and for dental rinses is actually a mixture of several different types of iodine. Only one of these iodine types, molecular iodine, can kill the bacteria that cause periodontal disease. The other iodine types cause staining and contribute to toxicity, but do not kill periodontal bacteria. Molecular iodine is so powerful that it provides all of the germ-killing activity of traditional iodine rinses while its presence is limited to just trace amounts (2-3 parts per million). In fact, there is 10,000 times as much of the other iodine types present in these rinses, compared to molecular iodine. For decades, scientists have attempted to boost the effectiveness of therapeutic iodine formulations by increasing the concentration of molecular iodine.



These efforts have been unsuccessful, until now. After years of research, ioTech International has developed and patented a unique technology for generating high levels of stable molecular iodine while reducing the levels of the other forms of non-active iodine. This is the most important breakthrough in iodine chemistry in over 60 years. ioTech's professional dental products, ioRinse and ioGel, which incorporate this advanced technology, contain 25 to 100 times the molecular iodine than is available in other iodine mouth rinses and hospital antiseptics.

At the same time, ioRinse is non-staining, pleasant tasting and safer to use. Independent clinical research testing has validated ioTech products with overwhelmingly favorable results. Your dentist or dental hygienist may recommend your using ioRinse RTU (ioTech's ready-to-use mouth rinse), ioRinse Concentrated Irrigant (for use in an oral irrigating device) or ioGel (for intra-oral tray application). In doing so, you can be confident that your dental office is up-to-date with the latest technology and is providing you with a generational advance in iodine chemistry.

ioTech professional dental products are not sold in stores and are only available from your professional dental office and from ioTech's website:

**[www.iotechinternational.com](http://www.iotechinternational.com)**