

Minimally Invasive Periodontal Therapy

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Minimally invasive treatments abound in today's medicine and dentistry. We are now able to provide non-surgical treatments using micro ultrasonic instrumentation aided by the periodontal endoscope. Combining the best 'cleaning' instrumentation, with various methods of 'disinfection', allows most patients with periodontal disease to return to health without surgery.

The operating microscope takes you into a world of great clarity and precision. Microsurgery minimizes trauma, accelerates healing, thereby improving the predictability of results. Discover what is dramatically changing the practice of periodontics.

Micro Ultrasonics is a generic term coined by John Y. Kwan, DDS and Peggy Hawkins, RDH, when they launched Perio Support Seminars in 1992. The term was coined to clearly identify the refined use of powered instrumentation from the standard practice of ultrasonics, where technique was not emphasized, little training was provided the user, and the technology was used for high power, supra-gingival gross debridement.

Micro ultrasonics is simply defined as: ultrasonically powered instrumentation that is small (the size of a perio probe). Today's clinician can accomplish "micro ultrasonic" periodontal prophylaxis and treatment - supra and sub-gingival - by a variety of techniques. Over 40 years ago, periodontist, Thomas Holbrook, pioneered the transition we are finally now, rapidly moving through. His application technique is one among several that are currently being taught.

Micro ultrasonics emphasizes the utility of high and low power ranges, much less water spray, and high frequency modulation, with the small, probe-like instruments, to provide all contemporary facets of prophylaxis and treatment more efficiently and effectively than hand instrumentation. Today's micro ultrasonics is the state of the science, and appropriately applied, micro ultrasonics is the state of the art.

약력

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