The New Scientific Breakthrough for Pain-Free Injections

DENTALVIBE®
INJECTION COMFORT SYSTEM

Infiltrations
Palatal
Block
Invented by a Dentist, for Dentists

Discover the future of pain-free dental injections, today.

DentalVibe® is a patented, award-winning multipurpose clinical instrument designed to alleviate intra-oral injection pain. It is a cordless, rechargeable, hand held device that delivers soothing, pulsed, percussive micro-oscillations to the site where an injection is being administered. Its proprietary VibraPulse® technology gently stimulates the sensory receptors at the injection site, effectively closing the neural pain gate, blocking the pain of injections.

This revolutionary instrument enables a Dentist or Hygienist to comfortably anesthetize patients faster and with a more profound anesthetic effect.*

Bring more patients to your office

When you consider that 50% of Americans avoid dental care entirely due to the fear of pain, the use of DentalVibe will reduce patient anxiety by eliminating injection pain, and bring those patients back into the dental office for the care they desperately need and elective treatments they truly desire.

* With DentalVibe, I use less anesthetic with a virtually instant onset allowing me to begin working right away, especially with mandibular blocks. Saving me time to perform more dentistry and generate more revenue. It’s been an absolutely amazing addition to my practice. My patients are loving it.

- Dr. Alan Z. Markowitz, D.D.S

DentalVibe® is proudly Made In the USA!
According to the Editor of Dental Economics, Dr. Joe Blaes, referring to DentalVibe® in Pearls for Your Practice, January, 2011 edition, “The best WOW experience that we can give in dental practices is to not hurt our patients. You will get more referrals from patients if you have a pain-free practice than any other marketing tool you can use... DentalVibe’s synchronized percussive vibration provides an ideal way to administer anesthetic injections without discomfort.”

Lets face it, injections are painful! No matter what we think, patients believe they are.

Dentistry doesn’t hurt, injections do!

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What your patients say about their experience with you as their dentist, is critical to the successful growth of your practice.

DentalVibe is the most successful and profitable instrument in my office. We use it for nearly every patient and procedure.

– Dr. Louis J. Malcmacher, DDS, MAGD

Pain-Blocking Results backed by Science

DentalVibe® is a breakthrough application of The Gate Control Theory of Pain.

Here’s how it works:

Research shows that when vibration is simultaneously applied as a counter-stimulation to an anesthetic injection, its sensation reaches the brain first, blocking the feeling of pain.*

Proposed by Dr’s Ronald Melzack and Patrick Wall in 1965, there is a neurological “gate” located within the dorsal horn of the spinal cord, that can either block pain signals, or permit them to travel up the spinothalamic tract to the brain.

The sensation (impulses) of vibration travels very quickly along thick, myelinated, A beta nerve fibers at 75 meters/second. In contrast, the sensation of pain travels slowly along thin, unmyelinated, C nerve fibers at 2 meters/second.**

When occurring at the same time, the sensation of vibration reaches the sensory area of the brain first, and also causes a release of inhibitory interneurons, preventing the activation of projection neurons at the synaptic junction in the dorsal horn of the spinal cord, resulting in a closure of the gate to the sensation of pain.

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90% of patients disagree.

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Consider this:

You restore tooth #14 with a direct bonded MOD restoration. After creating perfect contacts and marginal adaptation, you develop an ideal representation of occlusal anatomy. You feel proud about your artistic creation and have provided a tremendous service for your patient. However, your patient’s will remember only one thing, did you hurt them with the injection at the very beginning of the appointment. And this is what they will pass on to their family and friends.

Patient’s recognize and appreciate your genuine concern for their comfort and the investment in technology you’ve made that improves their overall dental treatment experience. Now, with DentalVibe, your patient’s will be raving about you, because you no longer have to hurt them, to help them.

Because the brain can readily adapt to a constant stimulus, negating a closure of the pain gate, DentalVibe is equipped with the world’s first micro-processor controlled VibraPulse Technology to provide the most effective way to “close” the Pain Gate to the brain and block the discomfort of dental injections. The micro-sonic oscillations of DentalVibe’s comfort tips are pulsed in a controlled synchronized wave pattern. Along with an enhanced amplitude, VibraPulse Technology sends a soothing percussive, or tapping stimulation deep into the oral mucosa, gently exciting the submucosal sensory nerve receptors.

Brilliantly, it is this pulsed re-stimulation that maintains a closure of the gate, blocking injection pain.


** Dr. Melzack’s original article with Dr. Wall, titled “Pain Mechanisms: A New Theory,” appeared in Science 1965; 150: 971-979.
Features of DentalVibe®

Faster, More Profound Anesthesia
Gentle massaging of the injection site, through VibraPulse® technology, prevents a swelling of the bolus of anesthetic solution as it is injected submucosally. This causes a dissipation of the solution providing a faster, more profound anesthetic effect.

Electromagnetic Induction Charging
DentalVibe incorporates state-of-the-art, Wireless Energy Transfer Technology to recharge the built-in NiMH cell battery. Its inductive charging base utilizes an induction coil to create an alternating electromagnetic field from within the charging base station, and a second induction coil in the portable device taking power from the electromagnetic field and converting it back into electrical current to charge the battery.

Voltage Regulated Power Supply and Pressure Sensing Tip
In an effort to maintain the optimal frequency of vibration for closure of the pain gate, DentalVibe is equipped with a voltage regulated power supply which boosts the power when it is needed most, upon retraction. Additionally, the latex-free comfort tips are specifically designed with a pressure sensing feature, causing the unit to temporarily shut off if excessive force is applied during use.

Super Bright LED Illumination
The device is equipped with a super bright, white light-emitting diode (LED), strategically positioned deep within the handle of the unit. Cleverly, the beam of light is transmitted through an oscillating light rod which projects on to the injection site. This provides the clinician with optimal visibility at the injection site.

Ergonomic Design
The DentalVibe instrument weighs just 3 ounces, and can easily be carried from operatory to operatory. It’s slim, lightweight, ergonomically sculpted and balanced design fits comfortably in the hand of a clinician. Finished off with a series of strategically placed finger grips providing ease of use, facilitating comfort and control in any area of the mouth.

Audible Distraction
An audible distraction, as a buzzing sound, has been strategically added to the DentalVibe, at a comfortable decibel range of 70-75db. This provides an audible stimulus for the patient to focus on during the injection process.

Pediatric Reward / Giveaway Toys
Ideal for pediatric patients, we offer animal finger puppets. At 2 1/2 inches in length, these adorable, soft, pliable toys, are the ultimate friendly distraction for any child. They easily slip on to the back end of the DentalVibe, giving your patient something to look at during the administration of a comfortable injection. As a reward, the puppet is given to the patient as a take home gift and is held throughout the entire dental procedure.
Practice building consumer awareness campaign

What are we doing about this fear?
By telling millions of consumers about the wonderful benefits of DentalVibe’s pain blocking abilities they will no longer be afraid of going to the dentist. They will come in for the dental treatment they need and the elective treatment they desire.

When you become a part of our DentalVibe family, you get more than powerful pain blocking technology. You also get the power of our National Direct-To-The-Consumer multi-million-dollar advertising and marketing campaign, designed to educate patients on the benefits of pain-free injections and drive them to DentalVibe Dentists like you, which helps grow your practice.

How We Market Dentists Who Use DentalVibe®
DentalVibe has partnered and enlisted the best and the brightest marketing agencies and online marketing companies to run national and localized television, internet, print and social media advertising campaigns. These campaigns educate consumers on the benefits of DentalVibe, and send them to our web-based DentalVibe Dentist Locator so they can easily find you, see all of your practice information, and a link to your website.

And there’s more!
DentalVibe provides a wide array of attractive, effective marketing materials to show your patients that you truly care about their comfort and you are willing to acquire the very latest in technology to help deliver expert dental treatment experiences without the worry of pain. These marketing benefits include in-office counter displays, window clings, posters, sign-in clipboards, appointment card reminders, promotional materials for your website and newsletters, and much more.
Our mission is to improve health and well-being by eliminating the fear that prevents people from seeking out needed dental and medical procedures.

Customer support and training

You can rely on our highly experienced and friendly DentalVibe Product Specialists for Clinical Training, Marketing Support, Troubleshooting, and Customer Service.

We’re just a phone call away to help successfully integrate DentalVibe into your practice. DentalVibe Service & Support Hotline: 877-503-VIBE (8423).

About BING Innovations

BING Innovations, provider of the DentalVibe Injection Comfort System, was founded for one purpose: to research and develop cutting-edge products that improve the care experience for both patients and health professionals.

To that end, the company has partnered with inspired individuals in the dental, medical, engineering and design worlds to bring major innovations like DentalVibe to market. The proprietary VibraPulse technology behind DentalVibe has many applications throughout healthcare, which are currently being developed by the company.