

Buffering Simplified™

Anutra Local Anesthetic Delivery System, Delivered Chairside.



ANUTRA
MEDICAL



Enhanced Patient Experience

At Anutra, we believe in combining proven science with ground-breaking technology to radically enhance the patient experience as well as a practitioner's efficiency. With our technology, we have overcome injection fear and treatment avoidance and aim to transform a patient's perception of the dentist.



9 / 10 Patients Prefer Anutra

**Patient Comfort-Double Blind Study — Anutra versus Traditional Local Anesthetic*

Providing exemplary patient experience could be the difference between that patient scheduling their next appointment and being a referral, or going somewhere else for their dental treatment.

"I had no idea the injection was actually happening!"



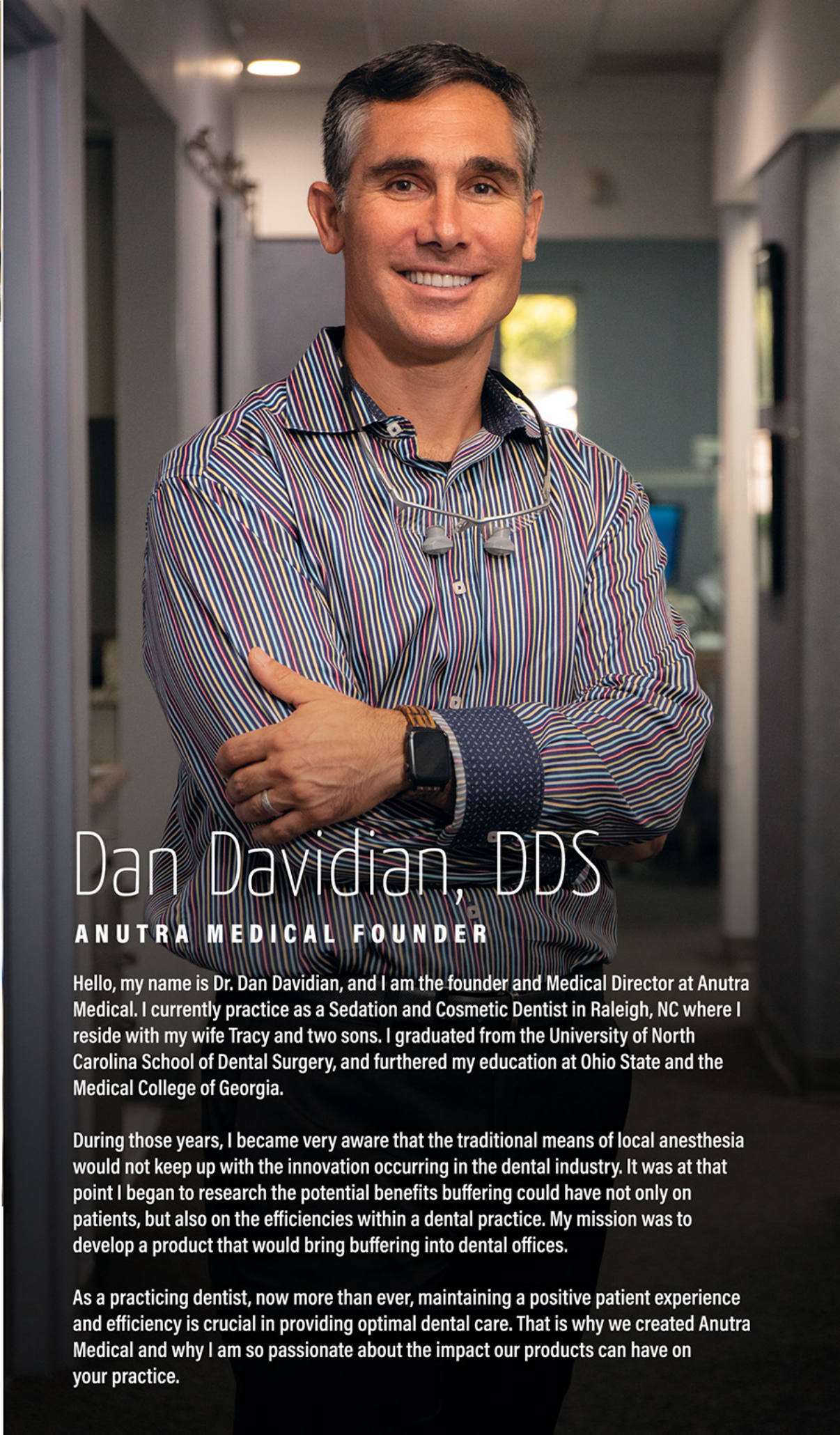
"Whoever invented this, they earned their pay that day because it is awesome!"



"One of the best experiences I have ever had at the dentist!"



Visit our website at anutramedical.com to view more case studies!



Dan Davidian, DDS

ANUTRA MEDICAL FOUNDER

Hello, my name is Dr. Dan Davidian, and I am the founder and Medical Director at Anutra Medical. I currently practice as a Sedation and Cosmetic Dentist in Raleigh, NC where I reside with my wife Tracy and two sons. I graduated from the University of North Carolina School of Dental Surgery, and furthered my education at Ohio State and the Medical College of Georgia.

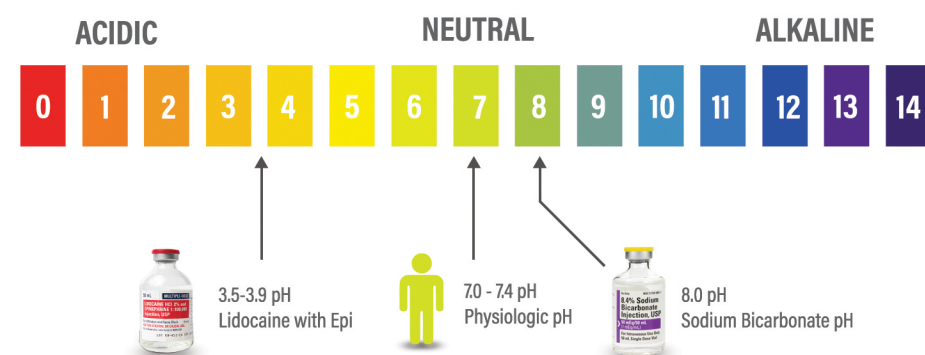
During those years, I became very aware that the traditional means of local anesthesia would not keep up with the innovation occurring in the dental industry. It was at that point I began to research the potential benefits buffering could have not only on patients, but also on the efficiencies within a dental practice. My mission was to develop a product that would bring buffering into dental offices.

As a practicing dentist, now more than ever, maintaining a positive patient experience and efficiency is crucial in providing optimal dental care. That is why we created Anutra Medical and why I am so passionate about the impact our products can have on your practice.



Why Buffer Local Anesthetics?

Buffering anesthetics has been used in medical facilities for over 60 years, and now with the innovation of the Anutra Local Anesthetic Delivery System[®] you can provide buffered anesthetic chairside.



Due to lidocaine's low pH, it can take a while to numb a patient. Along with the additional time, the drug creates a burning sensation due to acidity. To neutralize the acid causing this burning sensation and to expedite the effectiveness of the drug, healthcare providers discovered mixing it with sodium bicarbonate (a neutral solution) would raise the pH to the body's normal levels. This discovery is known as "buffering".



PREDICTABILITY

Buffering can elevate the depth of anesthesia, increasing the likelihood of patients getting numb the first time.



64%

of appointments were at least 15 minutes shorter than scheduled.



EFFICIENCY

Buffered anesthetics can cross the nerve membrane more readily, allowing a patient to become numb quickly.



16.7 MINUTES

is the average time saved per appointment (saves 2 hours per day).



REDUCED PAIN

Mixing anesthetic with sodium bicarbonate creates a bi-product of CO₂ which by itself contains the ability to create a numbing effect.



1.81 OUT OF 10

On a scale of 1-10, 1 being no pain and 10 being extreme pain.

Anutra Local Anesthetic Delivery System[®]

EFFECTIVE, COMFORTABLE AND PROFOUND. BUFFERED CHAIRSIDE.

Anutra is transforming the way in which local anesthetics are buffered and delivered to patients. With the Anutra Dispenser[®], Cassette[®], and Syringe[®], practitioners are able to increase productivity and enhance patient experience.

Predictable & Profound Anesthesia.

Enhanced Patient Experience.

Increased Productivity.



▲ 1ml Luer Lock & 6ml Anutra Syringe ▼



The **Anutra Dispenser[®]** helps to simplify the process of buffering local anesthetic, while the **Anutra Syringe[®]** allows multiple doses in a single, disposable syringe.

Innovation Backed by Science

By leveraging widely adapted medical technology and a 14-day shelf life, you can leave your sodium bicarbonate and lidocaine with epinephrine attached to your Anutra Cassette. This allows you the benefit of using Anutra on every patient for every injection.



The **Anutra Cassette[®]** leverages the science of buffering to precisely mix lidocaine with epinephrine and sodium bicarbonate to effectively and efficiently buffer local anesthetics.

The Anutra Syringe[®]

MULTIPLE DOSES. ONE SYRINGE.



STERILE R SINGLE USE ONLY NON-PYROGENIC

The Anutra Syringe[®] is not your typical dental syringe - it is extraordinary. With a revolutionary design, the Anutra Syringe[®] enables the delivery of multiple doses of buffered or unbuffered anesthetic. With an innovative, less intimidating look, the Anutra Syringe[®] is optimized in diameter and length. The ergonomic, lightweight design is simple-to-use and easily allows one-handed aspiration.

Innovative
Anutra Syringe[®]

Traditional
Metal Syringe

Audible and Haptic Feedback	✓	✗
5 mL Capacity	✓	✗
Reduces Waste	✓	✗
Ergonomic, Lightweight Design	✓	✗
No Cross Contamination	✓	✗



Reduce Fear. Reduce Waste.

The traditional metal syringe is restricted to 1.7mL or 1.8mL cartridges which must be reloaded when additional anesthetic is needed. In using the Anutra Syringe[®], you have the ability to precisely draw up the amount of anesthetic that is required.

Buffered Anesthetic

M O R E I M P O R T A N T T H A N E V E R

The Anutra Local Anesthetic Delivery System facilitates CDC's guideline to remain with one patient, reducing the need to change PPE

Dr. Richard Rosenblatt, DMD is a forward-thinking dentist who places an emphasis on providing his patients with an efficient, comfortable experience. His primary reason for adopting the Anutra Local Anesthetic Delivery system was simply to eliminate the inefficiencies of moving between operatories so often.



"I needed patients to become numb quickly to avoid slowing down appointments," Rosenblatt says. "Especially when you are doing a lot of mandibular work, you are sometimes waiting 6 to 10 minutes for a block. I want to be able to start working on the maxillary teeth right away and the mandibular teeth within 2 minutes or less."

"The disposable syringes hold approximately 6 ml of solution, so if I am working on multiple maxillary teeth and want to use more anesthetic, I do not need to change carpules as I would with a typical syringe," Rosenblatt says. "Conversely, if I do not want to use a full carpule, I can save the excess anesthetic. I can monitor what I want to use and have the freedom to determine a specific dosage for every patient."

"Anutra allows us to get our patients numb and know that by the time we have everything ready, we can almost turn around and start working on them with in 60 seconds," Rosenblatt says. "This is a new era, and the efficiency of the Anutra Local Anesthetic Delivery System is more important than ever."

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"Anutra allows me to get my patients numb faster, more effectively, more profoundly, and with much less anesthetic than I could use ever use with traditional anesthetics."

Lisa Mayes, DDS (Preston Dental Center)



"One of the unexpected consequences that has occurred as a result of using Anutra is that I've gained the reputation in my town as being the painless dentist!"

John Krasowski, DDS (Krasowski Dental)

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