

SEPTODONT

# When in Doubt, Just Go with **BioRoot Flow**

*A bioactive calcium silicate material, BioRoot Flow is resin-free with no shrinkage and limited bacteria growth, making cold or warm obturation fast, simple, and successful*

**T**he old adage that "seeing is believing" certainly holds true in dentistry, where 3D scans and intraoral images bring patients' dental conditions to life like never before—not only making the problem easier for them to understand, but making it even easier to give treatment a resounding "yes." But for patients of Lauren Kuhn Nuth, DMD, MSD, an endodontist in Forest Lake, MN, explaining is believing.

"I tend to see patients with complex root canal anatomy, and when I show it to them on the CBCT scan, they often tell me they're concerned the root canal won't work," she said.



Lauren Kuhn Nuth, DMD, MSD

*"It doesn't shrink. In fact, it actually slightly expands into the dentinal tubules and forms a tight seal."*

because my sealer wasn't always reliable," she said, adding that now, she relies on BioRoot Flow as one of the most crucial elements of the procedure. And, because of less gutta percha being used, there also is less pressure being put on the canals, which decreases the chance of vertical root fractures.

Whether using cold or warm obturation techniques, or more modern approaches such as hydraulic condensation or single-cone obturation, BioRoot Flow is designed to make permanent root canal fillings fast, simple, and successful. The sealer's pure, resin-free, calcium silicate mineral formulation flows easily into canals and provides strong adhesion to both dentin and gutta percha. Its biocompatibility reduces the risk of adverse reactions, while its bioactive properties induce hydroxyapatite crystal formation to aid in tooth remineralization.

### A Sealer That Checks Every Box

"The high pH of BioRoot Flow is definitely a benefit and helps to kill bacteria and limit additional bacterial growth," said Dr. Kuhn Nuth, who at this point has obturated hundreds of root canals with BioRoot Flow. "And, it doesn't shrink. In fact, it actually slightly expands into the dentinal tubules and forms a tight seal." She enjoys not needing to mix the material before every patient, and that by the end of the root canal appointment, cleaning the pulp chamber is much easier. "It ticks all the boxes for me," she said. "We know that in endodontics there are so many things that can go wrong, and I like to joke now that I've got 99 problems, but my sealer is not one."



Familiar with Septodont and its quality dental products—particularly Septocaine, a leading anesthetic—Dr. Kuhn Nuth was intrigued to try BioRoot Flow, a new syringeable, bioactive root canal sealer with no shrinkage and limited bacteria growth. "When I'm able to confidently explain to patients that I have a predictable way to fill the intricacies of the root canal system, they gain confidence in the procedure."

### More Confidence, Less Pressure

Shortly after she started using BioRoot Flow, Dr. Kuhn Nuth witnessed a paradigm shift from using more gutta percha when performing root canals to using less. "In the past, I tried to maximize the amount of gutta percha in the canals

## 5 REASONS TO TRY BIOROOT FLOW

- **Convenience:** Dispenses from a premixed, ready-to-use syringe, which saves time during procedures and allows for precise, direct application
- **Flexibility:** Can be used with both warm and cold obturation techniques and can be applied to all anterior and posterior areas
- **Flowability:** Optimal viscosity allows for easy handling and tight sealing, even in difficult-to-access canals
- **Bioactivity:** Contains highly-pure calcium silicate to stimulate remineralization of dentinal structure
- **Biocompatibility:** Promotes favorable tissue response and limits adverse reactions, with a high alkaline pH that inhibits bacterial growth