



**JAMES M. CAVANAUGH, DMD**

Dr. Cavanaugh and his team at Portsmouth Family Dental use the latest technology and techniques to provide a superior patient experience with optimal results.

The practice offers single-visit crowns, implants, clear aligners, laser-assisted gum therapy, and more.

**FOR MORE INFORMATION:**

800.243.7446  
parkell.com

**PARKELL**

# Predicta Bioactive Core

*A bioactive, dual-cure, core buildup resin composite that releases calcium, phosphate, and fluoride ions to stimulate mineral apatite formation and remineralization*

**M**ost people—dentists included—tend to be creatures of habit. They stick to what they know, oftentimes at the expense of missing out on what they don't. When it comes to his family practice in Portsmouth, RI, Dr. James M. Cavanaugh is an exception to that rule. Knowing that dentistry is constantly evolving, he keeps an eye out for new products that can achieve better results.

When he learned that Parkell—a company he knew to have a long history of innovation and quality—had introduced a bioactive dual-cure composite for core buildups and post cementations, he wanted to give it a shot. What piqued his interest most about Predicta Bioactive Core was its regenerative ability. The material releases fluoride, calcium, and phosphate ions to stimulate mineral apatite formation and remineralization at the material-tooth interface.

"I was attracted to the idea of placing a core—especially in hard-to-reach areas—that had a regenerative effect," he said. "It's really about trying to increase the quality of care I provide. If the core material has a regenerative effect, and protects and/or strengthens the tooth structure around it, that should result in longer-lasting restorations."

**Strength and Versatility**

In addition to delivering a unique combination of physical and chemical properties, Predicta Bioactive Core presents several advantages for optimizing core buildups, with or without posts. The material is dimensionally stable with ideal strength and support for crowns made of zirconia, porcelain, PFM, and metal. A variety of viscosity and shade options are available: Stackable (high viscosity) is ideal for placing larger core buildups where stackability results in a more centralized core and less excess in areas that would require removal during prepping; Flowable



(low viscosity) is recommended for cases where post cementation and core buildups are done together.

**A Product that Performs**

After a year of experience with Predicta Bioactive Core, Dr. Cavanaugh said he's had nothing but success. "It's easy to use and place, and there have been no reports of sensitivity." All restorations, he said, have held up well and looked good on recall. Further, since the material is highly radiopaque, he said it's been easy to identify on x-rays.

"Dentists are faced with new materials that make promises all the time," he said. "Some perform well, but some do not." Predicta Bioactive Core is one product that has already exceeded expectations.

**THE PREDICTA BIOACTIVE FAMILY FROM PARKELL**

Bioactive materials release calcium, phosphate, and fluoride, triggering the formation of a protective layer of mineral apatite, the predominant element found in enamel and dentin:

- **Predicta Bioactive Bulk:** A universal dual-cure composite with unlimited depth of cure for all your restorative needs.
- **Predicta Bioactive Desensitizer:** Effectively plugs and seals the dental tubules with hydroxyapatite to treat dentin hypersensitivity.