



Figure 1. Preoperative view of patient with significant esthetic compromise.



Figure 2. Radica provisional restorations in place, maintaining health, aesthetics, and function.



Figure 3. Postoperative view of full-mouth rehabilitation achieved following successful provisionalization with Radica.

Clinical images courtesy of Mike Malone, DDS



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ESTHETIC, ENDURING, DIFFERENT

Radica® Provisional & Diagnostic Resin

Indirect restorations are delivered to more than 40 million teeth in North America each year, and virtually every one of them requires provisionalization. Provisional restorations play an important role in maintaining the esthetic and functional aspects of a patient's dental health, and they have a significant impact on the definitive restoration as well.

Additionally, provisional restorations are often being used for longer periods as implant therapy becomes more popular.

Radica® is a new system for provisional and diagnostic restorations from Dentsply Prosthetics, developed and proven to exceed the performance criteria of

The long-term durability of the Radica material, confirmed in independent evaluation by the University of Regensburg, means that clinicians have an aesthetic alternative for provisionalizing patients undergoing extensive dental rehabilitation. Radica provisionals retain significantly more load-bearing capability than acrylics.

“In my practice, the use of high-quality provisional restorations such as Radica is the key to a predictable aesthetic result.”

— Mike Malone, DDS



Images courtesy of Dr. Krastalis

BENEFITS OF RADICA PROVISIONAL & DIAGNOSTIC RESIN

- **Improved strength:** Radica restorations can be used in both routine and long-term restorative applications.
- **Enhanced aesthetics:** Radica restorations may be characterized using effect dentins and stains.
- **Long-term durability:** Radica provisionals do not show a statistically significant loss of strength after two years of simulated service.
- **Patient communication:** Radica improves patient communication and establishes expectations for patient outcomes.
- **Low wear resistance:** The low wear of Radica greatly reduces the potential of provisional perforation and the risk of irritants reaching the tooth.

currently available restorations. Based on a visible light-curing composite platform, the system gives clinicians the benefit of a truly lifelike diagnostic system as well as an aesthetic provisional restoration. Practitioners simply forward VPS impressions of unprepared teeth to a trained dental laboratory, where models and matrices are created. The Radica resin is extruded into the matrix and then adapted to the model, where it is modified to the desired contours. Once the intended result has been sculpted, the resin is light- and heat-cured in an Eclipse®, Enterra®, or Triad® 2000 Light Curing Unit and characterized as necessary before being returned to the dentist. Here, the Radica restorations are relined for proper marginal adaptation, polished to a high-gloss finish, and luted in place.

Consequently, Radica provisional restorations can be advantageous for patients receiving implant therapy or advanced periodontal care.

Radica provides strength, durability, and wear resistance in a new provisional material. Combined with its aesthetic benefits, Radica thus represents a valuable tool for diagnostic and provisional restorations.

DENTSPLY
PROSTHETICS

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