



What Is CEREC 3D?

CEREC 3D is a high-tech instrument that helps dentists restore damaged teeth. The new "what you see is what you get" software makes designing the perfect restoration fun and easy.

CEREC 3D stands for **C**hairside **E**conomical **R**estoration of **E**sthetic **C**eramics. **3D** adds an exciting new dimension to the way it works.

How Does CEREC 3D Work?

First, the dentist prepares the damaged tooth by painting a thin layer of reflective powder directly on the tooth's surface. Using a special camera, the dentist then takes a picture of the tooth. No need to take a messy impression and send it to the lab. As the design of the restoration evolves on-screen, the dentist views it with a full 360-degree perspective.

Freeform editing in three-dimensional realism makes designing the restoration intuitive and precise.

In the virtual world of CEREC 3D, the dentist views, manipulates and verifies all aspects of restoration design for accuracy and assurance of an ideal fit. The material block is then placed in the milling chamber. Minutes later, milling is complete and the restoration is ready to place.

What Kinds of Procedures Can It Perform?

- ◆ Partial and full crowns
- ◆ Veneers
- ◆ All other single-tooth restorations



Before



After

What Are the Advantages CEREC 3D Offers?

- ◆ The dentist performs the restoration in a single session, usually in less than one hour
- ◆ No need for the dentist to make an impression and send it to a lab
- ◆ No return visits for the patient
- ◆ The restoration is natural looking, as it is made out of tooth-colored ceramic material
- ◆ Ceramic material is biocompatible, high-grade, anti-abrasive and plaque-resistant
- ◆ Metal-free — no silver-colored fillings
- ◆ Allows dentist to save more of the healthy tooth
- ◆ Extremely precise

Is This a New Technology?

No. For over 15 years, the CEREC® System has allowed dental professionals to meet patient's needs by producing single-visit, all-ceramic at chairside. The CEREC 3D builds upon this impressive track record with a new user interface, freeing the dentist from the cramped confines of the human mouth.

For More Information, Contact:

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DENTAL INNOVATIONS AND YOU

R.A. Yedigarian, D.D.S.

Technology today is changing our everyday lives. Many people, however, aren't aware that technology also is impacting dentistry in new and exciting ways. Cutting-edge innovations in dental instruments are requiring less time in the dental chair, causing less discomfort and creating satisfying results. One breakthrough instrument, called **CEREC 3D**, allows dentists to quickly restore damaged teeth with natural-colored ceramic fillings, saving patients time and inconvenience.

What is CEREC 3D?

CEREC 3D is an acronym for **Chairside Economical Restoration of Esthetic Ceramics**. Translated, it means that a dentist can economically restore damaged teeth in a single appointment using a high-quality ceramic material that matches the natural color of other teeth.

How does the instrument work?

CEREC 3D uses CAD/CAM (Computer Aided Design/Computer Aided Manufacturing) technology, incorporating a camera, computer and milling machine in one instrument. The dentist uses a special camera to take an accurate picture of the damaged

tooth. This optical impression is transferred and displayed on a color computer screen, where the dentist uses CAD technology to design the restoration. Then CAM takes over and automatically creates the restoration while the patient waits. Finally, the dentist bonds the new restoration to the surface of the old tooth. The whole process takes about one hour.

What does this innovation mean for a patient?

A tooth-colored restoration means no more silver fillings discoloring smiles. The filling is natural-looking, compatible with tissue in the mouth, anti-abrasive and plaque-resistant. Dentists no longer need to create temporaries or take impressions and send them to a lab. Because of this, the traditional second visit has been eliminated.

CEREC 3D has over a decade of clinical research and documentation to support the technology. The restorations have been proven precise, safe and effective.

How can I find out if this is an option for me?

Call the office of Dr. Yedigarian at 703-821-0882. We will be happy to answer your questions on this new technology.