Master the Parameters

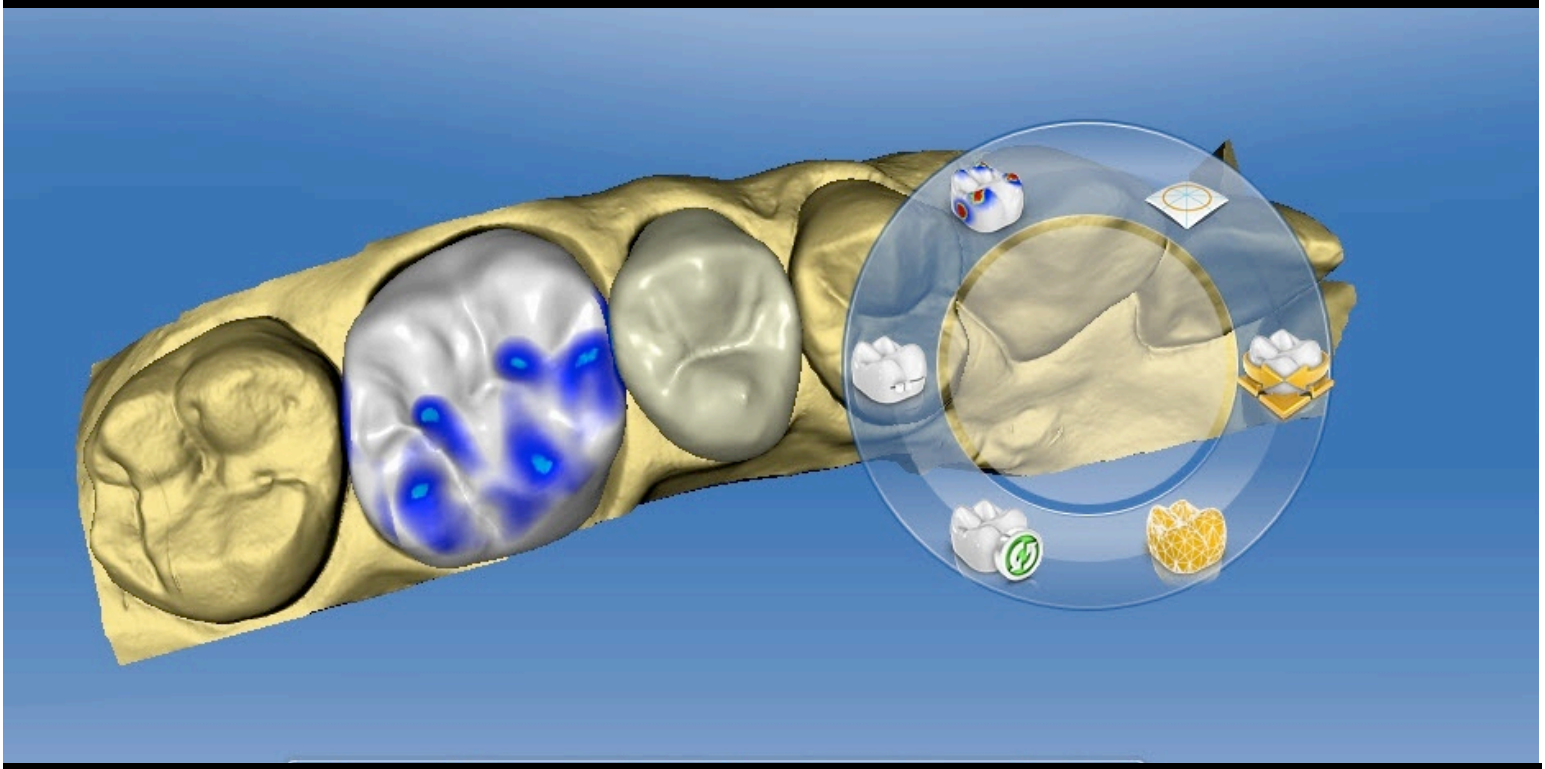
Seamless CAD/CAM Finishing

Learn with Dr James Klim
cadstar.org

Restorative Advanced CAD/CAM Dentistry

Mastering Posterior CEREC Applications

The "Bread & Butter" of CAD/CAM Dentistry



Class applicable questionnaire.

- ☑ My milled restorations "drop in" with excellent passive interproximal contacts.
- ☑ I am able to efficiently design my CAD/CAM restorations.
- ☑ I find that the majority of my restorations do not require much more than minor spot occlusal adjusting.
- ☑ I am confident with quadrant CEREC design using one virtual die.
- ☑ I rarely see post treatment sensitivity to hot, cold, or bite.
- ☑ I use CEREC for the majority of my posterior restorations.

If you are not able to check off two or more of these statements on a regular basis, then this class will significantly impact your life.

CADSTAR™
CEREC Learning Center

Restorative Advanced CAD/CAM Dentistry

Mastering Posterior CEREC Applications

Understanding and Learning Objectives

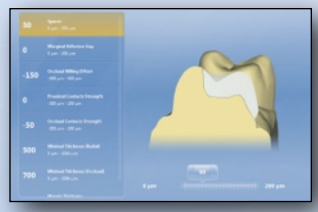
CAD/CAM should be the ultimate adjunctive tool for conservative and full crown restorative dentistry. I have found that in order to make the CEREC experience happen well, it is more about how we prepare the oral theater for the ceramic restoration(s) and placement protocol that will streamlines the process.

When the tooth is prepared for the proper ceramic engineering volume, internal preparation design, axial draw, and tissue retraction, the optical impression will provide a precise virtual model for tooth design. This will simplify the virtual design step and allow you to master the CEREC process in a very short period of time.

My primary CAD/CAM restorative objectives:

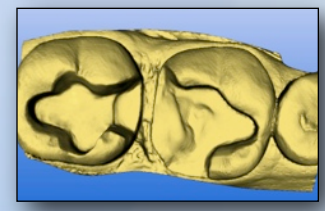
- ☑ Biocompatible material
- ☑ Closed margins
- ☑ Closed passive interproximal contacts
- ☑ Occlusal contacts ideally placed within 8 microns of desired occlusal contact strength

This CADStar hands-on workshop will provide the understanding to make the following objectives flow with your CEREC experience.



Understanding Parameters and Calibration Methods

Fine tuning the parameters to best suit your clinical demands is the secret to seamless CAD/CAM restoration seating and occlusion precision. Dr. Klim will review the principles behind each parameter for a clear understanding and clinical application.



Preparation Architecture for Conservative Ceramic Restorations

Simple and conservative preparation design is the blueprint to simplifying the CEREC process. Could it be that the ceramic's internal design is the most critical factor for ceramic fit and functional success? Learn the metrics for sound CAD/CAM ceramic engineering.

Finishing Preparation Style for Crisp Optical Impressions

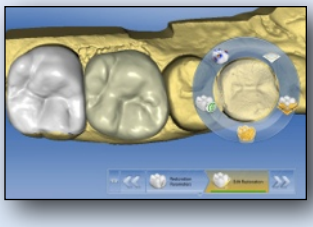
Clean, crisp margins and polished preparations will aid in ceramic fit and functional durability. Ceramic restoration strength comes from the inside. Learn how this fine tuning aspect will improve CEREC fit.

Managing Subgingival Margins

Subgingival margins use to be a complicating factor with all-ceramic restorations, not anymore! With the right tools and approach, the CEREC practitioner will be able to handle and improve gingival health. Learn Dr. Klim's systematic method and soft tissue metric system for margins under the gum line.

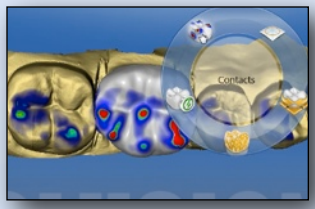
Optical Impression Techniques

The optical impression is the precision link to the virtual design theater. With the Bluecam 4.0 algorithms, this part of the process has become quite simple. With proper preparation design and capturing technique, the CEREC 4.0 software should do most of the design for the operator. Learn proven isolation and optical impression techniques that work every time.



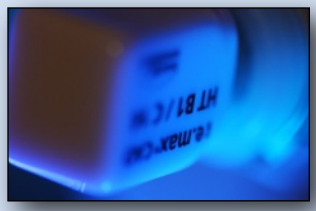
Virtual Design

The virtual design should be the easiest part when the computer has the best 3D information. Learn how to simplify the design process to maximize restoration fit and occlusion without post-milling adjustments or hassles.



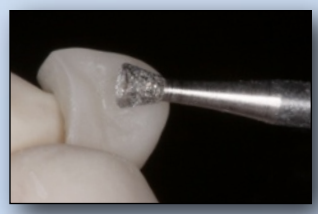
Refining the Occlusion in the Virtual Design Phase

Understanding how the parameters work in conjunction with occlusal contact placement is one of the priceless pearls of CEREC. This should lead to nothing more than minor polishing adjustments of the occlusal contacts. Learn how to make the occlusion management your best friend in the CEREC world.



Block Selection for Function and Aesthetics

With the layered blocks and HT e.max, aesthetic blend has been simplified. Learn Dr. Klim's Depth-Layering-Influence principle and it's impact on aesthetics. In addition, CAD/CAM now has the all-time "tough mother" ceramic for molar crowns. Learn the systematic process for block selection.



Ceramic Pre-Bond Finishing (Polish or Stain/Glaze)

Studies have documented that well polished CAD/CAM ceramics will perform like natural enamel. Learn the 3 minute polish technique. On the other hand, if you desire to take your ceramics to the next level of aesthetics and function, learn the Klim "One-step posterior stain and glaze" technique for VITA, Empress, and e.max.

e.max...Where, When, and How

The lithium disilicate e.max ceramic adds a new functional dimension to the CAD/CAM clinical theater. Learn the where, when, and how aspects of e.max.

No Post-Operative Sensitivity Protocol

Post-operative sensitivity can primarily be broken down in to two separate camps: adhesive technique and occlusion. Learn the protocol to master and practice both camps with confidence.

Introduction to Restoring Posterior Implants

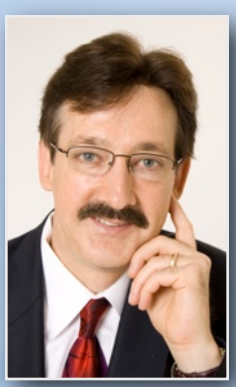
e.max is providing new avenues for restoring posterior implant restorations. One of my favorite posterior implant restorative approaches is designing and fabricating an all-in-one abutment/crown restoration and cementing to a Ti-Base or stock abutment extra-orally and then screwing the implant restoration into place. CEREC 4.0 provides the needed optical precision to accomplish this implant approach.

Learning Tools -

- One-on-one Mentoring with Dr. Klim
- Smaller class size for personalized attention
- Multimedia presentation support with video over-the-shoulder applications
- Hands-on applications
  - ➡ Preparation architecture
  - ➡ Effective optical impression techniques
  - ➡ Virtual design simplified
  - ➡ Efficient polishing technique
  - ➡ Stain and glaze
  - ➡ e.max finishing
- Workbook syllabus with presentation highlights and references

Course Specifics -

- Course tuition— Doctor $2,850, team member $895
- Two day course—Thursday and Friday; Dr. Klim's practice and/ or regional Patterson CEREC Centers (see cadstar.org for course dates and locations)
- Patterson certified trainer course
- Patterson certificate applicable towards tuition
- 16 units of continued education credit (AGD)
- Register—www.cadstar.org or call 707.546.4582



"CEREC ceramics can be exactly what you want them to be."

—James Klim DDS, FAGD, AAACD

CADSTAR™
CEREC Learning Center