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CEREC[®] Intermediate Consolidation Course

Ceramic Reconstructions Ltd



CEREC® Intermediate Consolidation Course

Initially this course will reinforce the basic training that was part of the delivery process of the CEREC® system. This full day starts by covering all the basic rules of Cerec® especially to give a thorough understanding of the relationship between the Cerec® camera, the prep and the milling instruments. It is surprising how much better the software behaves when the dentist fully appreciates the finer points of camera angulation, undercuts and when, and when not to take optical impressions. Occlusal surfaces will magically require little or no adjustment. Contact points will be great, and you will be able to rely on the colours that should show the strength of interproximal contact areas.

CEREC® can deliver perfect fit and contact points and occlusion every time. If you are not getting these results, this course will show you how.

As the machine parameters are often incorrect, the course will commence after these have been set properly and an explanation given about their function.



Course Components

1. Design: Overview of Dental Database, Correlation and Replication (Software Versions up to v3.6)
2. Biogeneric function/reference, Correlation and Articulation/function (Software version 3.8).
3. Optical Impressions Many fit, contact and occlusion problems are created at this point. This section covers the relationship between the CEREC® camera angle, and how that impacts on undercut areas, contact areas, and cervical margins – sub and supra gingival.
4. Understanding the design lines: How all the components of the design work together. Why the insertion pathway is so important, and how to properly trim the antagonist surface and why.
5. Inlay and pre-positioning. (All software versions) This tool is only available after the inlay has been completed. By pressing the undo button the biogeneric framework becomes visible. Correct understanding of this feature will completely transform the restoration.



Course Components

5. Quadrant restorations: The quadrant programme in the design window enables the operator to design and mill multiple restorations incorporating a process known as 'virtual seating'. In effect this enables the CEREC® to complete a restoration 'on screen' although the actual restoration is still being milled. Information about proximal contact areas, for instance, is completed and a neighboring tooth can be designed to that surface even though the ceramic is still being milled. Multiple teeth can be designed in this way resulting in major time savings for both dentist and patients. Typically an experienced CEREC® dentist can complete a multiple case of up to 6 teeth in a single appointment of three hours duration. Exercise Design a four unit quadrant of 3 inlays and 1 crown using dental database, function and correlation. The copy and antagonist techniques will be used during this exercise.

6. Bridges: 3.6 and 3.8 software offer the facility of making bridges with the new composite blocks from Vita and Ivoclar. In the event that these versions are not available a demonstration can be shown on a laptop. The small milling unit will require a different water tank and burrs. The MCXL only requires different burrs.

Practical demonstration on how to characterise the CADTEMP CT 40 material.



Course Components

Exercise

Design a two and three unit bridge using the I14 ceramic block and 40mm composite block respectively.

7. Anterior restorations. Very few dentists routinely make anterior teeth with their CEREC®. Indeed many users of the system are unable to run even 3.6 software due to slower computers. In those cases it is not possible to make bridges. We have therefore decided to add or instead cover anteriors. A substantial amount of time can be set aside for this part of the course, and will include the use of correlation and replication from study models or temporary restorations. Dentists with the newer 3.8 or 3.83 software will be shown how to use biogeneric reference paying particular attention to crossing the midline. Flow charts will be available on the master's network to cover this area. A technique known as "triple Mikey" will be covered showing how correlation can be used to great advantage.

8. Tips and tricks: Six ways top get your CEREC® to perform better. This course is designed to be one on one at your practice, and takes up to 8 hours to complete. More dentists can attend at no extra cost but may take longer to complete.



Cost

This activity meets the educational criteria required for verifiable Continuing Professional Development under the General Dental Council lifelong learning scheme, and represents 8 hours of verifiable CPD

£790.00 Inc travel total up to 400 miles. Zero VAT.

(Additional mileage and overnight accommodation negotiable)



Feedback

“Thought the course was very interesting. Didn’t think CEREC could do so much”

“Found the course really interesting and useful. Learnt a lot of things that, as a practice, we don’t use on the CEREC machine!”

“Before course, as a dental nurse found it difficult to understand what the dentist was trying to achieve with restoration. I feel now that I understand the knowledge behind the designing of restoration. Found course content very interesting and learnt a lot from it. Mike was excellent at explaining and demonstrating how to create an excellent restoration.”

“Tips and tricks are the most valuable thing I’ve learnt. I’ve realised how powerful CEREC is.”

“Really good tips on how to overcome problems but more importantly on how not to get into those problems in the first place.”

“An excellent review of basics which weren’t given when CEREC first installed and instruction given. A complete thorough overview of new additions to software and updates; all at an easy pace and with great clarity. Many thanks.