



"We respect Dentistry, Dental Technology and Science which makes us stand out from our competition"
Kash Qureshi, Managing Director

Dental Laboratory Newsletter / May 2019

Just learned that a dentist a block away from here was arrested for dealing drugs. Shows you how wrong you can be about people. I had been going to him for over ten years. Never knew he was a dentist.

5:42 PM · 4/10/19 · Facebook

108 Retweets 493 Likes

Dental Fact:

Novocaine wasn't invented until 1903.



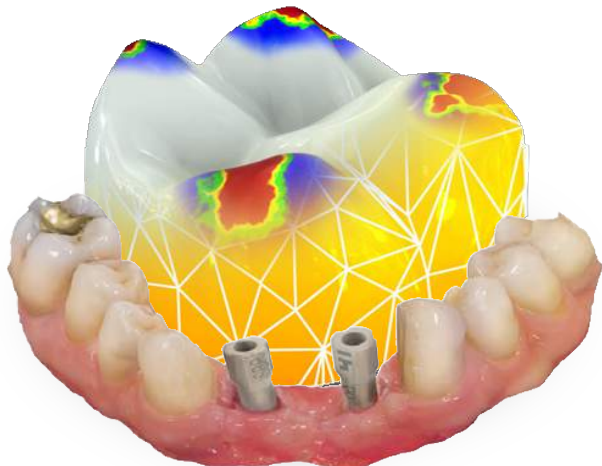
Layered to Zirconia
(Cercon)



Full Contour
Zirconia Crowns



Implants



NEW DIGITAL EQUIPMENT

We have invested in the latest 'Digital Equipment' and 'CAD/CAM Milling' to accommodate 'Digital Dentistry Services' from Dentists around the world using the leading intra-oral scanners (3m, Sirona, Planscan, Trios, Itero, Carestream) & traditional impressions.

We're familiar with key implant systems including Straumann, Nobel Biocare, Dentsply Sirona, Zimmer BIOMET, Bio-Horizons, Ankylos, ETK, Bränemark, Megagen, DIO and CAM LOG with experience in many others implant systems.

We provide CAD/CAM milling services for the following:

- **Full Contour Zirconia** - inlay/onlays, full contoured crowns, full contour bridges, copings, frameworks, retainers, custom implant abutments, hybrid bridges.
- **Layered to Zirconia Crowns (Cercon)** - primary telescopic crowns, crown substructures, multi-unit bridge substructure with a maximum anatomical length of 47mm (4-6 unit bridge) and inlay bridges.
- **IPS .emax** - single unit anterior crowns or posterior crowns, 3 unit anterior bridges, partial and full anatomical crowns, minimal veneers (from 0.3mm) , inlays & onlays and screw retained implant crowns.
- **Zirconia Retainers / Splints**
- **3D Printed Models**
- **CAD/CAM Chrome Partial Frameworks**

CPD OPEN EVENING AT BREMADENT WILL BE ANNOUNCED SOON AND WILL COVER I/O SCANNERS, DIGITAL DENTISTRY & BREMADENTS DIGITAL SERVICE.

'Tempaplant®' is a new 3-in-1 implant solution exclusive to Bremadent Dental Laboratory for immediate implant temporary crowns. Tempaplant provides accurate implant planning, guided placement, immediate loading and soft tissue management within one appointment for same-day treatment, without the need for healing caps or extra appointments by combining a location jig, surgical drill guide and a temporary crown as one appliance.

The 'Tempaplant®' is used alongside CT scans and is custom made within the parameters of the bone and adjacent teeth which is defined for soft tissue profile, function and aesthetics. The surgical pilot drill hole is centralised within temporary crown in relation to the parameters and the fit surface is modified to accommodate the implant abutment. The occusal location jig locks the appliance into place during implant planning, placement, temporary crown positioning and in-situ pick up without movement.

Once implant surgery is completed, the location wings are removed and the voids under the temporary crown is filled with acrylic or composite and placed in-situ to shape the soft tissue profile. The temporary crown is then checked for soft tissue management, function and aesthetics.

'Tempaplant®' comes in a variety of tooth coloured acrylic 'Vita Shades' and allows for easy chair side modification in either acrylic or composite. It is compatible with key implant systems including Straumann, Nobel Biocare, Dentsply Sirona, Zimmer BIOMET, Bio-Horizons, Ankylos, Bränemark, Megagen, DIO and many others implant systems.



How Tempaplant® 3 in 1 Works:

Clinical work: Dr. Ric Dedi, Herts Dental Advanced Implant Clinic

Implant assessment,
impressions and
RX instructions



Extraction, Tempaplant® in-situ.
Implant planning, placement,
positioning and abutment pickup for
immediate implant loading



Tempaplant® made within
the parameters of RX instructions,
bone and adjacent teeth



Define soft tissue profile,
modify temporary crown &
close screw access hole

Remove location wings.
Check x-ray, aesthetics
and function



www.bremadent.co.uk



office@bremadent.co.uk



0208 520 8528





We offer the full range of 'All Ceramic' (metal free) restorations from 'IPS e.max' to 'Zirconia Based Restorations'. Zirconia based restorations have two options, layered to zirconia or monolithic full contoured zirconia.

Layered to zirconia implies that the framework is CAD/CAM milled as a coping and has ceramic layered over the top of the coping to achieve form, function and aesthetics whereas monolithic FCZ is milled from a solid zirconia and is sintered to produce the form, function and aesthetics as one solid block of material, with no ceramic layered.

What is Cercon®?

'Cercon®' is a zirconia based coping framework with ceramic layered over the CAD/CAM milled coping to achieve form, function and aesthetics. It is a proven system that provides 'High Strength' and 'Aesthetics' for fabricating metal free crown & bridge frameworks and customised implant abutments in anterior and posterior regions. Cercon® has over '5.7 million' restorations produced worldwide for over 10+ years. With numerous scientific studies, it has shown 'Cercon®' is just as safe as the gold standard of metal ceramic bridges with a 100% survival rate over 40 months.

Technical Features:

'Cercon®' is milled from pre-sintered zirconia blocks via our in-house 'Cercon®' CAD/CAM milling machine as a coping and provides a flexural strength of over 1,300 mpa. Ceramic is then layered over the coping, similar to a porcelain bonded crown, but metal free. It is recommended for primary telescopic crowns, crown substructures, multi-unit bridge substructure with a maximum anatomical length of 47mm (4-6 unit bridge) and inlay bridges.

Contact Kash on 0208 520 8528 for further information.

Before



After





'Full Contoured Zirconia Crowns' are CAD/CAM milled zirconia restorations which is stained glazed for 'Natural Anatomy Effects' with no layered ceramic. The flexural strength of 1200 mpa provides high strength and durability whilst being effective with minimal inter occlusal space. it's a cost effective solution as there is no alloy charge and is up to 44% translucent at 1mm thickness.

'Full Contoured Zirconia Crowns' are scanned and designed in 3D, which gives accurate and clearly defined parameters with the prepared tooth, margins, contact areas and occlusion captured precisely and locked for the design process. Our technicians will then be able customise any areas of concern within the parameters and design the full contoured crown with 'Natural Anatomy' from the locked parameters.

The full contoured crown is then 'CAD/CAM Milled' in-house from a pre-shaded zirconia blank . Once milled, It is then fitted to a working model and a solid model to minimize variables. Once fitted, it is stained and glazed for 'Natural Anatomy Effects'. The restoration is then quality controlled for fit, aesthetics, occlusion, contact areas and margins.

Bremadent Digital' service has the latest 'Digital Equipment' to accommodate 'Digital Dentistry' services which are scanned directly from analogue (plaster) models or digitally sent to us from the leading intra-oral scanners from any Dentist around the world instantly (3m, Sirona, Planscan, Trios, Itero, Carestream)

Indications:

Zirconia is ideal for inlay/onlays, full contoured crowns, full contour bridges, copings, frameworks, retainers, custom implant abutments, hybrid bridges and layered ceramic crowns.

Technical features:

Zirconia is a biocompatible material and has a flexural strength of 1200 mpa. It's available in traditional 'Vita Shades' and is up to 44% translucent at 1mm thickness.



Traditional 'Vita Shades'



Zirconia CAD/CAM milled Implant abutments

