

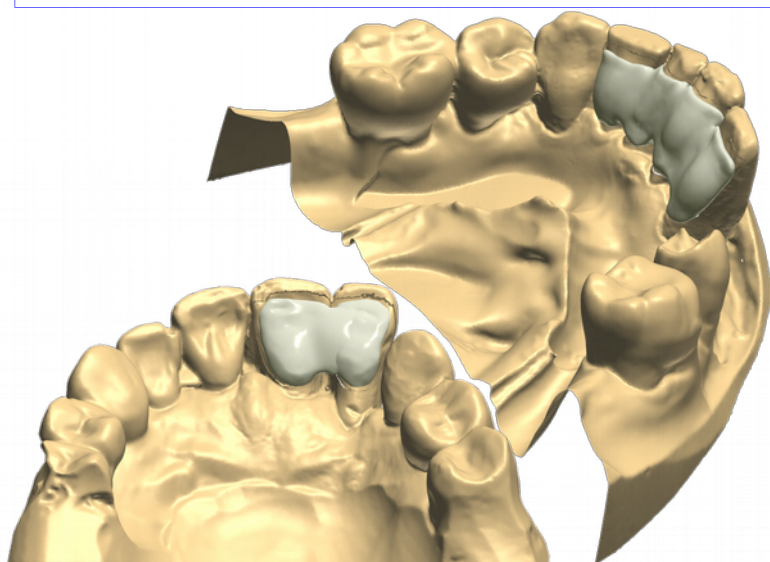


"We respect Dentistry, Dental Technology and Science which makes us stand out from our competition"
Kash Qureshi, Managing Director

Dental Laboratory Newsletter / April 2019

IMPORTANT NOTICE

Please note: A letter has been sent at the beginning of the month that states extra impressions apart from the working impression and opposing will be subject to a charge. Please email for a copy of this letter if you did not receive one.



Zirconia Retainer - 3D Designed and CAD/CAM milled.

NEW PRODUCT

We have successfully trialled a new type of 'Aesthetic' and 'Metal Free' fixed Zirconia retainer / splint.

The 'Zirconia Retainer' is an aesthetic, metal free, fixed alternative to the traditional 'Bonded Wire Retainer' and is used to maintain previous orthodontic treatment or to prevent undesirable movement of the teeth by splinting them together with cement via the palatal or lingual surfaces of the anterior teeth.

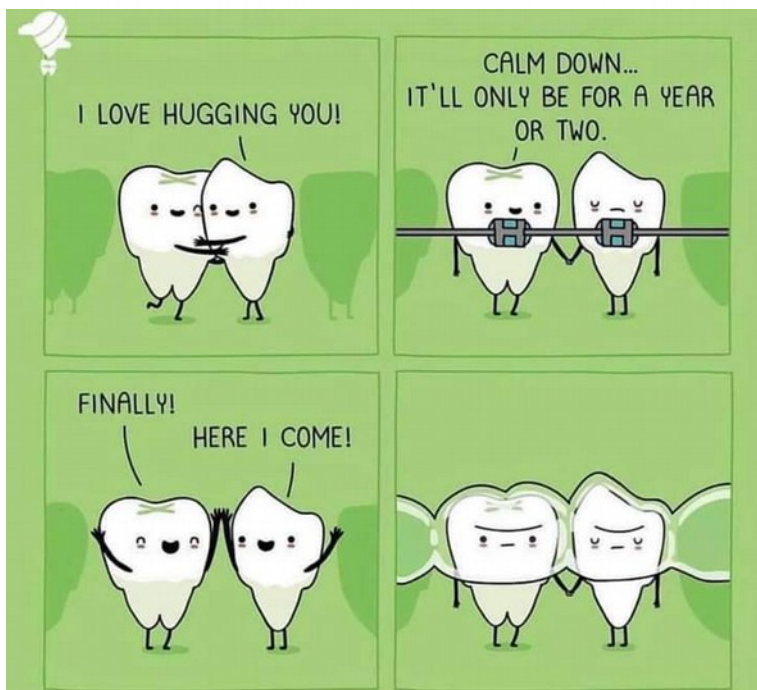
The 'Zirconia Retainer' is 3D designed and milled from zirconia blocks via our in-house CAD/CAM milling machine and provides a high flexural strength that allows for a minimal material thickness with a variety of 'Vita Shades' to match the patients shade.

The 'Zirconia Retainer' is designed to seat above the cingulum areas and 1-2mm above the gingival areas of the lingual or palatal surfaces of anterior teeth to allow for hygiene and has pre-set cement space parameters for composite resin cementing.

Zirconia retainers on the upper are subject to occlusion in design parameters.

All cases are 'Scanned' and 'Designed' in 3D, which gives accurate and clearly defined parameters of the prepared teeth, margins, contact areas and occlusion captured precisely and locked for the 'Design'. Our technicians will then be able to customise any areas of concern within the parameters and design the restoration with 'Natural Anatomy' from the locked parameters.

Bremadent 'Digital' is compatible with the following intraoral scanners: 3m, Sirona, Planscan, Trios, Itero, Carestream.



Dental Fact:

Tooth whitening market was expected to be worth £1.23 billion by 2018 according to Mintel.

'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



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IPS e.max®



What is IPS e.max?

IPS e.max® is a Lithium Disilicate glass all-ceramic that delivers optimum aesthetics, translucency, durability and strength. With up to 10 years of clinical evidence, over 80 million restorations and a 97.6% survival rate, it is a proven system that provides highly durable and highly aesthetic restorations which makes it an affordable alternative to porcelain bonded crowns and zirconia based restorations.

Technical Features:

IPS e.max can either be pressed or milled via our in-house Sirona inLab CAD/CAM milling machine and provides a flexural strength between 360 – 500 Mpa. It is recommended for 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.

Clinical Features:

IPS e.max is a bio-compatible material and is used for highly aesthetic solutions due to its true to nature shade behaviour. IPS e.max promotes durable restoration due to the high flexural strength and is suitable with minimal invasive preparations. There is no condensation shrinkage thus providing a precise fit and reduce adjustment time. IPS e.max restorations offer flexible cementation. *Contact Kash on 0208 520 8528 for further information.*

Before



After





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

