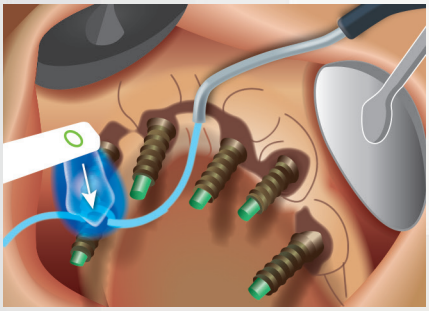
BIO COMPOSANTS MÉDICAUX

INNOVATION D-Lab CSTLINK™

A FIBER FORCE™ PRODUCT

For immediate loading,
create an accurate impression
in 10 minutes!

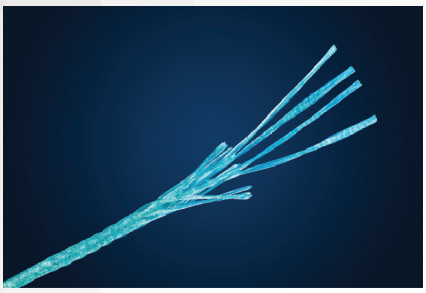
EPOXY BIS GMA FREE



The consolidation of implant transfers position is an essential part of immediate loading where time is limited and there is no margin for error.

This technique, which records the spatial position of implant transfers is rapid, easily reproducible and avoids the need for stability tests.

The recording of a clinical situation must result in a realistic and precise cast, therefore impression taking is a fundamental step in the prosthetic chain.
D-Lab CST LINK™ is a system of rapid consolidation of implant transfers using a dispenser of high stability photo-polymerized fi bered elements.



The structure of a CST LINK™ hybrid reinforcement

The **CST LINK™** braid from **D-Lab** dispenser is made up of one-directional parallel threads of glass fi ber in a woven sleeve. Each fi ber is coated with a film of photosensitive resin.
A very small quantity of UDMA resin will reduce the effects of shrinkage after polymerization.

The shrinkage of the UDMA resin used can be measured at between 5 and 9 %, compared with 21 % for PMMA.

The dimensional variations on polymerization are very small as seen in the spatial stability trials, which show an average variance of 50 µm, while a variation of less than 100 µm is undetectable and without consequence (Panas - 2011). Trial results suggest a total neutrality of the **D-Lab CST LINK™** solution.

Translucent silicon is placed in the transparent membrane impression tray, which allows for visualization of the 3D **CST LINK™** frame and the implant transfers; polymerization of the braids is completed with blue light. The 3D consolidation cast obtained preserves the spatial positioning of the implants, without deformation.

VIDEO ON
YouTube Bio Composants Médicaux

Medical device for dental treatment, reserved for health care professionals. Please read the instructions on the leaflet or on the label before use D-Lab CST LINK™: Class 1 (CE Marking).

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D-Lab CSTLINK™

TUTORIAL – Implementation procedure - This recording technique for the spatial position of implants is rapid and reproducible and avoids the need for stability tests.

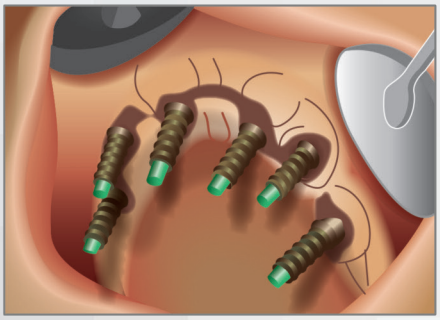


Fig.1 - The Multi posts, whose purpose is to receive the immediate screw-retained prosthesis, are fitted to the implants and the screws are protected by a plastic shaft which allows for swift removal.

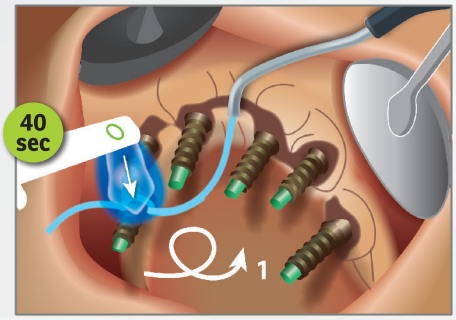


Fig.2 - Consolidation of positioner impressions: the **D-Lab CSTLINK™** braid is held in place by a loop on the right hand most distal positioner and light cured. Then proceed under tension (press the snap button) towards the left most distal implant, each post being locked in position by a loop.

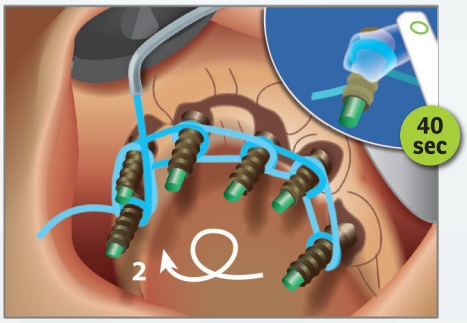


Fig.3 - The left hand most distal implant is locked in position and the procedure is then repeated on the right implant.

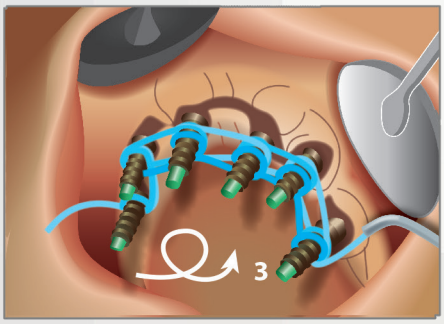


Fig.4 - The right hand most distal implant must be encircled totally. Then the process continued on to the left implant to end with another loop.

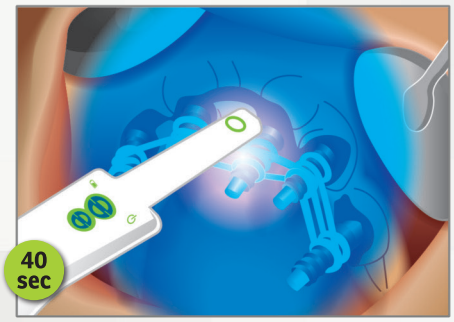


Fig.5 - The whole is polymerized with blue light.

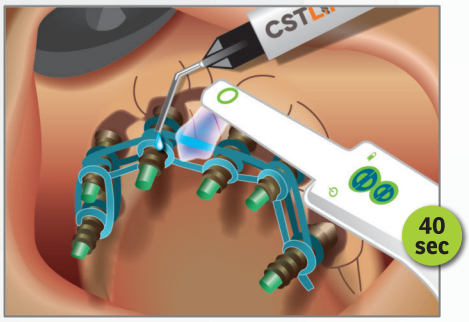
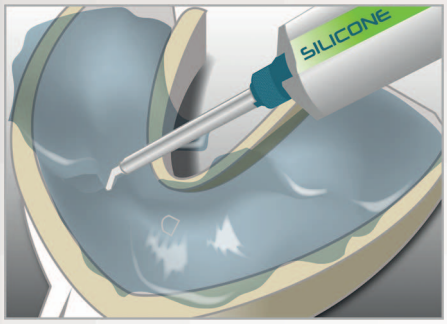


Fig.6 - To complete consolidation of the structure, a drop of **CST LINK™** resin is placed on each post.



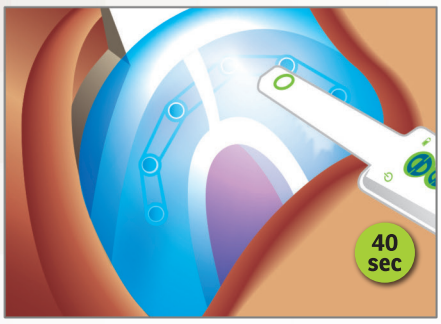


Fig. 7a and 7b - The translucent membrane impression tray is filled with transparent silicon and inserted on the prepared zone. During hardening (2 min), photo-polymerization is completed by lighting though the translucent silicon.

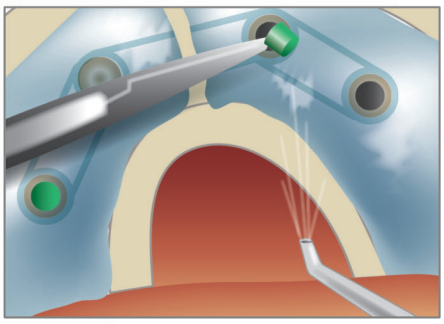


Fig.8 - The translucent membrane is pierced and the plastic protections are removed.

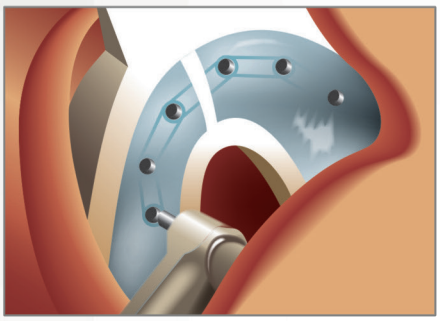


Fig.9 - The screws are removed.

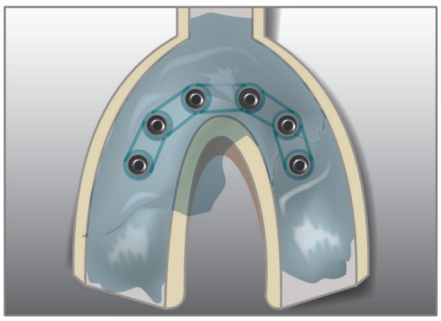


Fig.10 - The impression is extracted.

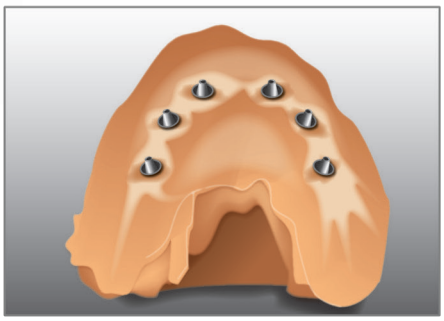


Fig.11 - The impression is molded in a laboratory with a perfect positioning of the implant analogues. Then a prosthesis is directly made with the fiber from Fiber Force CST.

FLYER – FiberForce D-Lab CST LINK DE - 27/11/2020

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