3M post and core procedure in anterior region
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Pretreatment and post selection

Fig. 1: Situation after endodontic treatment of left upper incisor and canine. Endodontic treatment is indicated after tooth trauma and bridge loss. The coronal tooth loss requires an endodontic post treatment.

Fig. 2: For endodontic restorative treatment, the gutta-percha filling is removed with the Universal Drill. Then, the cavity is widened and shaped with the drills up to the size required.

Fig. 3: RelyX™ Fiber Post 3D Glass Fiber Posts are shortened to the necessary length at the coronal end with a diamond disc.

Fig. 4: Prior to cementation of the posts, root canals are cleaned by rinsing and dried.

Post cementation

Fig. 5: RelyX™ Unicem 2 Automix Cement is used to cement the posts. The endo tip helps to easily fill the root canals from bottom to top.

Fig. 6: After insertion of the post into the root canal, the excess cement is removed using a micro brush. Then the cement is allowed to set.

Fig. 7: Scotchbond™ Universal Adhesive is applied to post and dentin once the cement has set.

Fig. 8: Scotchbond™ Universal Adhesive is light-cured for 10 sec. The situation is now ready to build up the core.

Application of adhesive

Core build-up

Fig. 9: Filtek™ Bulk Fill Posterior Restorative is used as core build-up material. With the capsule, the composite can be applied directly. Then, the composite is adapted and shaped with a Heidemann spatula. A matrix is not necessary.

Fig. 10: Finally, the core build-ups are prepared and finished, ready for the impressioning procedure and temporary restoration.