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## Laboratory Fabricated Minimally Invasive Fibre-Reinforced Bridge



Photo 1

This case regards a 49-year-old woman whose upper left lateral was restored with a jacket crown 20 years earlier. Necrosis of the pulp led to an unsuccessful endodontic therapy (it was impossible to reach the apical region) followed by an unsuccessful apicoectomy. Ultimately the dentine abutment fractured and the tooth had to be extracted. The correcting options included a single tooth implant or a bridge. One minimally invasive option was a cantilever two-unit bridge with the lateral supported by the canine. Using the Stick fibre technology it was possible to prepare the upper left canine supragingivally and entirely in enamel, which meant a simple and predictable long term bonded result.



Photo 2

Photo 1

The extracted lateral to be replaced with a two unit cantilevered bridge using the canine as the abutment.

Photo 2

A rubber dam placement for optimal control of the bonding situation.



Photo 3

Photos 3 and 4

The preparation shown on the unsectioned master die, supragingivally and entirely in enamel. The anatomical detail shown in the mesioincisal part of the preparation is the seat for a previously bonded diamond (later the patient puts it on the first bicuspid – see photo 6).



Photo 4

Photo 5

The palatal view of the two-unit Stick reinforced bridge. Stick Net woven fibre is placed around the entire circumference of the prepared tooth (even on the buccal surface) and is still invisible.



Photo 5

Photo 6

The two-year follow-up of the case.



Photo 6