The visible cure for saving compromised roots

Formerly, fragile, thin-walled and flared roots have presented major restorative problems due to fracturing and poor retention of posts. Often extraction has been the only alternative. Today there is an easy-to-use, effective solution to this problem. Performed at chairside in one visit, the clear Luminex Light Transmitting Posts enable the polymerization of acid-etched, bonded, light-cured composites within the entire root canal to be used with a corresponding range of retentive posts.
OVERVIEW OF THE CLINICAL PROCEDURE

Canal preparation
Prepare the root canal to the desired size and depth with suitable Dentatus Standard Classic or Helix Classic reamers to fit a correspondingly sized Luminex smooth post.

Centering and depth control
Insert the smooth Luminex post into the prepared canal to full depth and place a red stop for depth indication. Remove the luminex post. Acid-etch and bond according to the manufacturer’s instructions for bonding system.

Polymerization
Apply a low viscous light-curing composite resin into the canal. Place the luminex post to its full depth. Remove the excess material from the coronal region. Light-cure the post faciolingually according to the manufacturer’s instructions for the composite.

Restored full length canal
Remove the Luminex post by first twisting in place and then pulling in an upward motion. Before cementation, retentive, antirotational indents can be made in the canal with Probos II or similar instruments.

Complete restoration
Select a suitable length post that corresponds in diameter with the Luminex post used. Verify its dimensions using the gauges. Apply the luting or bonding material to the post. Use the hollow key for passive post placement in the canal. After the cement/bonding material has fully set, the cross-key can be used to form metal post heads according to the desired finishing crown shape. For future canal access, the cross-key may be used to unscrew phosphate cemented prefabricated metal post. (The Luminex grooved posts are excellent to use as a pattern for custom cast post and cores that fit passively in the reconstructed canal.)

THE DENTATUS ONE-STOP DISPENSER

Contains a selection of Luminex (grooved or smooth) and Surtex Titanium or Stainless Steel posts with matching size Standard Classic reamers, depth indication rings and keys. The built-in gauges are for the convenience of confirming lengths and sizes.

The following starter kits are available:

**LST-T** with 40 assorted Surtex Titanium posts (5 of each size L1 - L4, SL3 - SL6), 30 Luminex Smooth posts DIP (5 of each size 1 - 6), 30 Luminex Grooved posts DCP (5 of each size 1 - 6), 6 corresponding Standard Classic reamers 1 - 6, keys and stoppers.

**LST-S** with 40 assorted Surtex Stainless Steel posts (5 of each size L1 - L4, SL3 - SL6), 30 Luminex Smooth posts DIP (5 of each size 1 - 6) and 30 Luminex Grooved posts DCP (5 of each size 1 - 6), 6 corresponding Standard Classic reamers 1 - 6, keys and stoppers.

**LX-NK** (no metal posts), 50 Luminex Smooth posts DIP (5 of each size 1 and 6, 10 of each 2 - 5) and 12 Luminex Grooved posts DCP (2 of each size 1 - 6), 6 corresponding Standard Classic reamers 1 - 6, keys and stoppers.