

## Epiphany® Case of the Month

Pre-Op



**Epiphany case description and radiographs courtesy of Dr. Fabricio Teixeira, University of North Carolina Chapel Hill**



A 30-year-old female patient was referred for endodontic surgery on tooth #19 (36 European) due to a failed root canal with apical periodontitis. Clinically, the tooth presented as a retainer of a three unit fixed bridge. No caries were detected and the patient was sensitive to percussion and palpation. Radiographic examination showed radiolucency attached to the mesial root suggesting an acute exacerbation of a previous chronic apical periodontitis. The patient opted for conventional retreatment instead of surgery. The tooth was accessed and instrumented with a crown-down technique, and a 0.04 tapered apical third was achieved using ISO rotary file size #45 for the mesial canals and size #60 for the distal root. Irrigation was accomplished with 2% chlorhexidine gel and 17% EDTA. After 7 days of calcium hydroxide and 2% chlorhexidine paste as an intra-canal medicament, the canal preparations were refined and the final rinse was performed with EDTA followed by 2% chlorhexidine liquid. The canals were filled with *Epiphany* points and *Epiphany* sealer using a warm vertical condensation technique using the Elements\*\* Unit.

Post-Op



The patient remained asymptomatic throughout the follow-up period. The radiograph taken at the 6 month follow-up visit shows progressive and extensive healing of the apical periodontitis.

6 months



For available research and more case radiographs using the *Epiphany* System and Resilon™\* obturation material, please visit [www.resilonresearch.com](http://www.resilonresearch.com).

For information on the *Epiphany* Soft-Resin Endodontic Obturation System call Pentron Clinical Technologies at 1-800-551-0283 or visit [www.pentron.com](http://www.pentron.com).



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