

Composite Post-and-Core Build-up: Best Practices in Restoring Endodontically Treated Teeth

Endodontic post errors, such as; stripping, perforations, crack initiation, and crack propagation are caused by the commercial, invasive prefabricated post drills. The drills are not scientifically standardized and do not correlate with root canal anatomy.

The evidence is now settled; there is no significant remaining controversy surrounding best practices in restoring endodontically treated teeth (ETT) or which materials are best to use. This eye-opening session focuses exclusively on the clinical application of best evidence in composite post-and-core build-up techniques for the best possible outcomes in restoring ETT.

Dr. Abou-Rass considers composite post-and-core build-up an integral part of modern endodontic treatment and an essential factor for successful restorative treatment. This approach not only provides the physical foundation for proper restoration, but also prevents the risks of coronal leakage and protects the root canal obturation seal, sterility, and longevity. A well-executed composite post-and-core build-up enables dental professionals to place the final restoration of the endodontically treated tooth with the most predictable, trouble-free, permanent, post-and-core foundation.

The course offers an in-depth review of factors, procedures, and practices that reduce teeth resistance to fracture, as well as the factors and conditions that may cause complications or failures of the composite post-and-core build-up.



Learning Objectives:

- Learn the guidelines for the assessment of endodontic treatment as a foundation for the composite post-and-core build-up.
- Review the clinical guidelines for the assessment of sub-standard endodontic treatment and when to retreat the root canal.
- Identify the conditions that require post placement in the ETT.
- List the endodontic and restorative criteria of composite post-and-core build-up.
- Review of current concept in composite post build, set-up, materials and supplies.
- Review post cavity preparation designs and methods.
- The anatomic rationale for the 7-8mm post length.
- Describe how to prepare the pulp chamber walls, floor, and filled root canal orifices for the composite core build-up.
- Describe how to bond the pulp chamber and the post using incremental, thin, layering of the flowable composite.
- Review the finishing and temporization procedures.

Suggested Audience: General Practitioners

Suggested Format: 1 or 2 Day, Partial Day, Keynote; Lecture, Demonstration and/or Hands-On Training

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