



# Glass-fibre-reinforced composites as a core build-up in minimally invasive endodontics



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By **Dr. Kaplan Sheudzhen, Russia**

Even though dentistry is nowadays focusing more and more on prevention, there is still a considerable amount of patients with extensive caries lesions in need of endodontic treatment. When the damage has already occurred, it's important to treat the lesion in a minimally invasive way. Preserving the cervical dentine is of utmost importance here, as maintaining a ferrule is necessary for a good prognosis of the restorative treatment.

Since the introduction of microscopes and NiTi files in dentistry, preservation of the cervical dentine has become more simple and predictable. Several options exist for the post-endodontic treatment<sup>1</sup>: the treatment plan depends on the remaining tooth structure, wall thickness and the total cavity size.

Heavily damaged teeth often end up in a restorative cycle, with increasingly larger restorations after the original fractured and endodontic retreatments, the prognosis of the tooth becoming more and more challenging each time. Hence, it's important to implement a correct treatment plan to preserve the teeth not only in the short term, but to avoid catastrophic failures that compromise the long-term survival.



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