

## Poster journal

### Retrograde Filling Materials - Soldiers of Apex

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#### Commentary:

Successful periapical surgery mandates the elimination of periapical infection and a good apical seal<sup>1</sup>. The apical region of the root canal has the maximum lateral canals that may act as portal of entry for the ingress of irritants. During periapical surgery, the apical 3mm is resected and prepared to receive a retrograde filling material. Root end filling is the procedure through which an inert material is packed into the root canal via a retrograde approach<sup>2</sup>. The desirable characteristics of a root end filling material include biocompatibility, non-resorbable, radiopaque, easy to manipulate and capable of being closely adapted to the dentinal walls of the retrograde cavity<sup>3</sup>. Conventionally, amalgam, glass ionomer cement, super EBA were used as retrograde filling materials. Research has led to development of various newer biomimetic materials based on calcium silicate cements. The earliest of these was mineral trioxide aggregate. Newer materials include Biodentine, and Bioceramics like Endosequence and Bioaggregate. The present poster highlights the various retrograde filling materials used in dentistry.

#### References

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