

COMPROMISE TO CONFIDENCE: CURRENT CONCEPTS IN PRE-ENDODONTIC BUILD UP

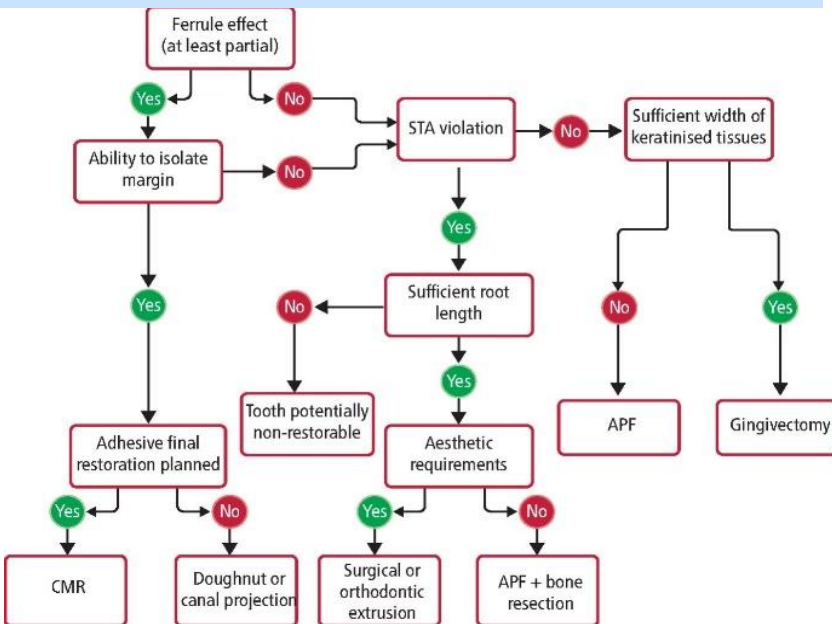
Pre-endodontic Build up is essential first step in carrying out effective endodontic treatment . Pre-endo buildup is important for effective isolation and irrigation before root canals. It creates an antibacterial seal, preventing oral bacteria from entering the pulp chamber and root canals.

ADVANTAGES OF PRE-ENDODONTIC BUILD-UP

1. Strengthening of weakened tooth structure
2. Prevention of vertical root fractures:
3. Improved access and visibility during RCT:
4. Enhanced predictability of endo treatment

5. Improved prognosis
6. Enhanced esthetics:
7. Antimicrobial seal
8. Application of RD

DECISION-MAKING FLOWCHART FOR PRE-ENDODONTIC RESTORATION



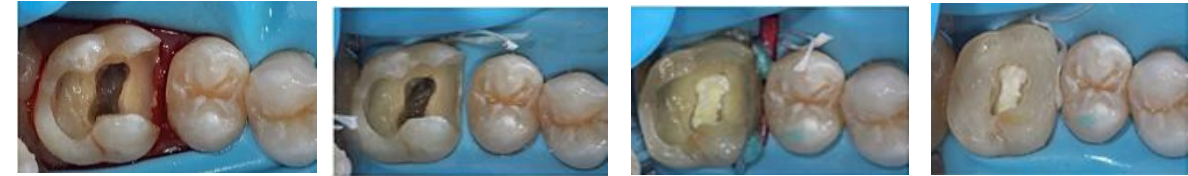
TRADITIONAL PRE-ENDO BUILD UP TECHNIQUE

1. Amalgam core build up
2. Copper/orthodontic bands with temporary cements
3. Temporary crown

SURGICAL/ORTHODONTIC PRE-BUILD UP TECHNIQUE

1. Surgical crown lengthening
2. Orthodontic extrusion
3. Surgical Extrusion

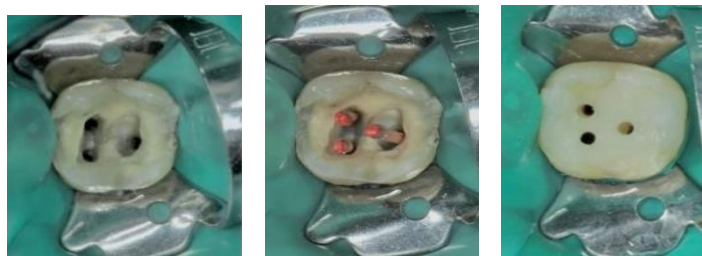
RESTORATIVE TECHNIQUES



CERVICAL MARGIN RELOCATION (CMR): Relocating a deep cervical margin to a supragingival position using resin composite.



DOUGHNUT COMPOSITE BUILD-UP: Circumferential build-up of the cavity walls and use of a suitable barrier (cotton pellet, thermoplastic gutta-percha, PTFE, liquid dam) to prevent blockage of root canal orifices.



CANAL PROJECTION-Core build-up with projection of root canal orifices from the pulp chamber floor to the cavo surface .

Conclusion-This poster showcased the significance of pre-endo build-up for successive outcome. It offers us a clean field of work, assessment of restorability and ensures the correct workflow of endo treatment.

Reference Gavril, D., Kakka, A., Myers, P. *et al.* Pre-endodontic restoration of structurally compromised teeth: current concepts. *Br Dent J* **231**, 343–349 (2021).
<https://doi.org/10.1038/s41415-021-3467-0>