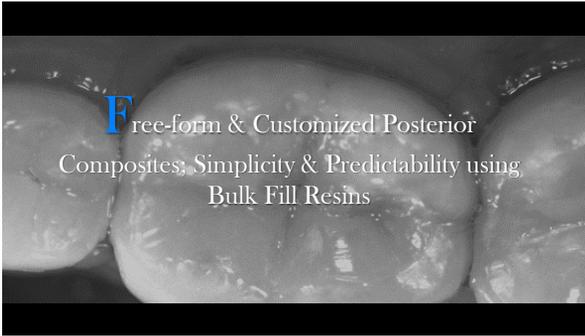


BULK FILL AND
CLASS II

Dr. Dennis Hartlieb



Check occlusion-
Pre-op

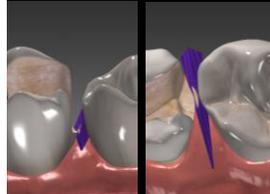
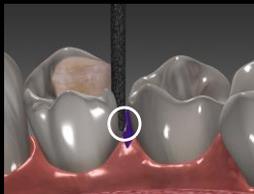


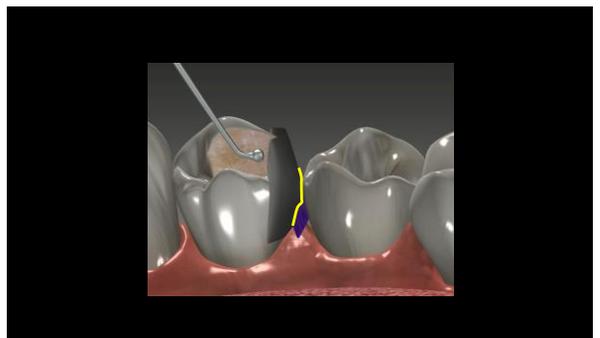
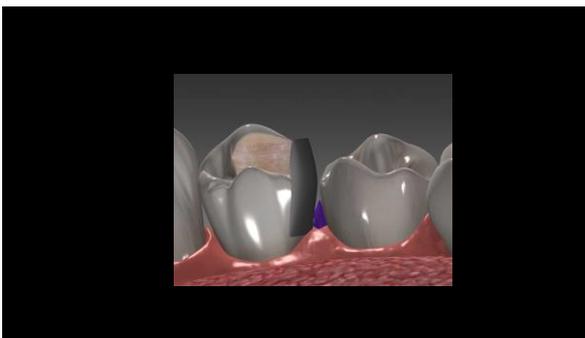
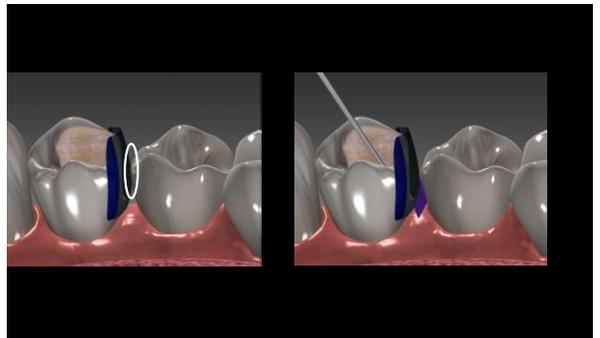
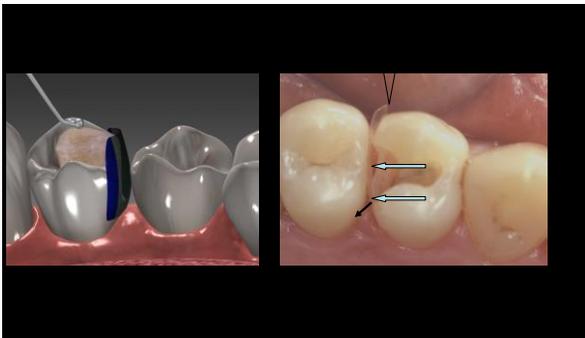
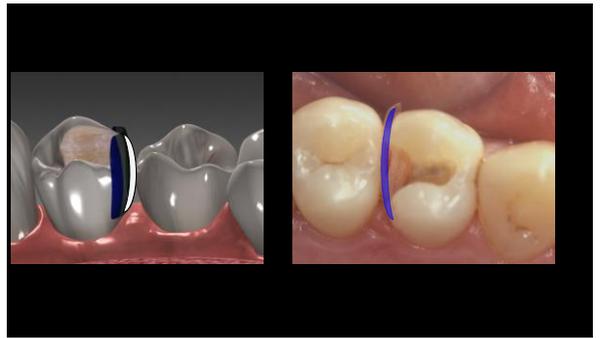
Pre-Wedge

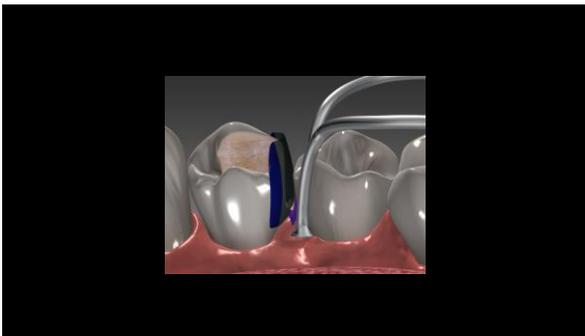
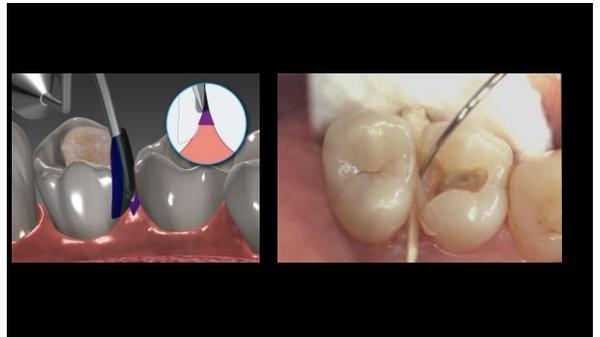
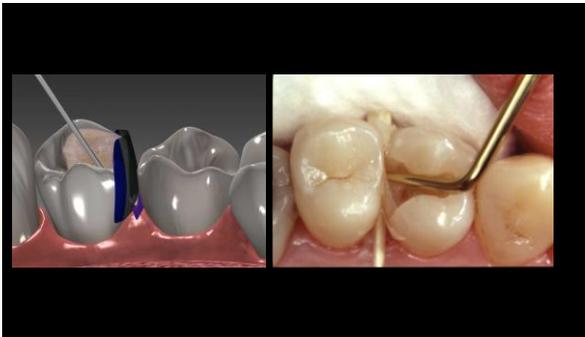
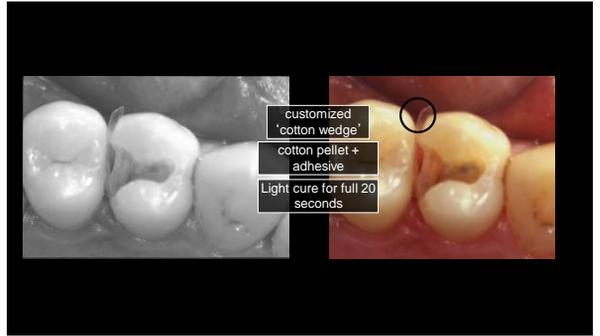
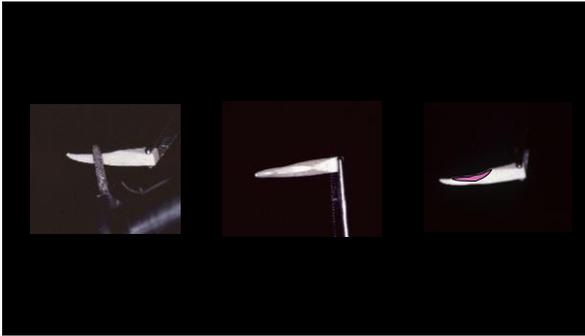


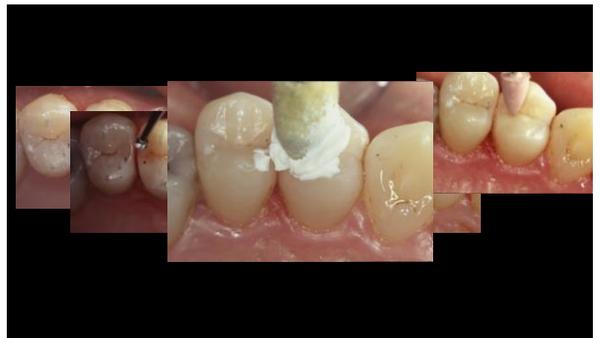
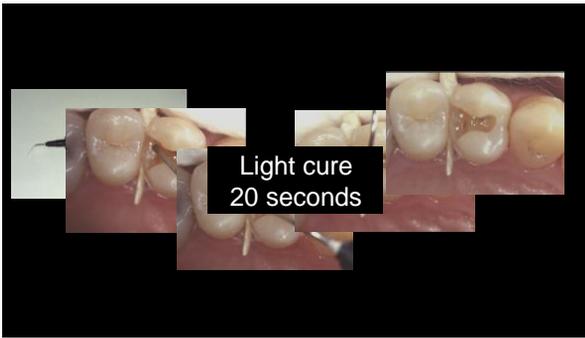
Pre-wedge

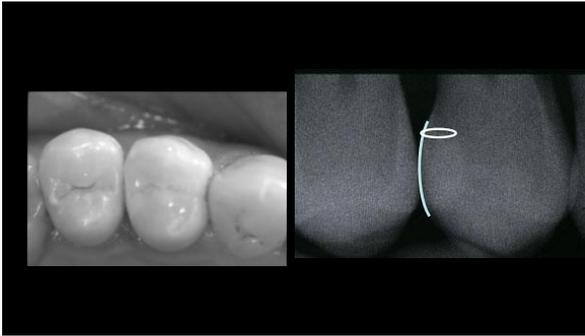
- Begins separating teeth to compensate for thickness of matrix material
- Helps to prevent incidental gingival tissue laceration or rubber dam tearing during prepping
- Bur marks on wedge reveal where contour of wedge needs to be adjusted to allow for full contact of matrix



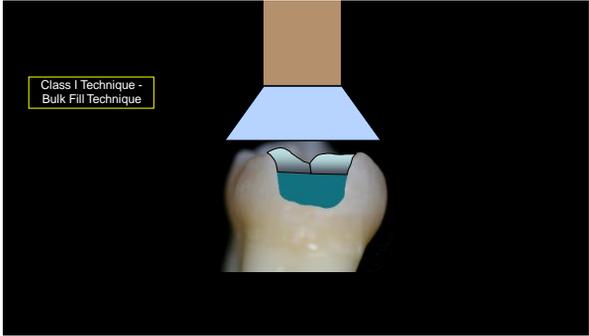
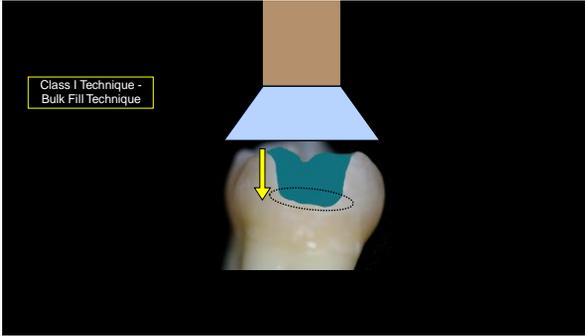
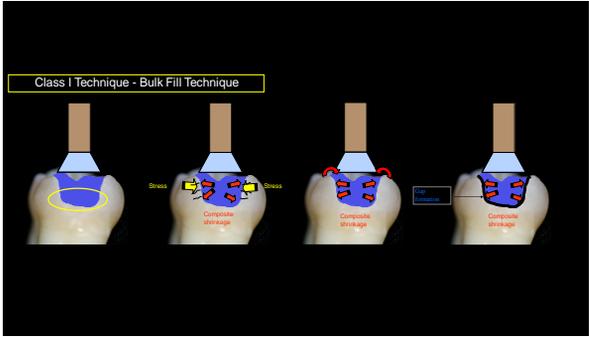








Bulk Fill Composites



Problems with current bulk fill materials

- Controversy on distance of depth of cure
- Is the manufacturer's results consistent with research?
- Often use highly translucent composites to increase depth of cure which can result in low value restoration

Overcoming problems with current bulk fill materials using core build-up material like Cosmecore

- Dual cure material ensures adequate cure all the way through
- Great strength of core materials
- Cosmecore flows, does not slump, maintains its position
- Can use more opaque, non-translucent shade of material
- Long track record of success with core materials
- Much more efficient, and potentially stronger restoration using Cosmecore as build-up before final layering material



1. Check occlusal contacts



2. Pre-Wedge



3. Prep Complete

4. Contour matrix bands placed. Note distal wedge position.



5. Decision to make:
1) Total Etch or
2) Self Etch





6. Concepsis Scrub (2% Chlorohexidine) - 1 minute



7. Sectional matrix ring placed Triodent V3 ring but with pre-wedging, do not need to use 2 rings




8. Place multiple coats of dual cure adhesive, ie. Cosmedent Complete Primer + Complete Dual-Cure Catalyst




8. Place multiple coats of dual cure adhesive, ie. Cosmedent Complete Primer + Complete Dual-Cure Catalyst

DO NOT LIGHT CURE

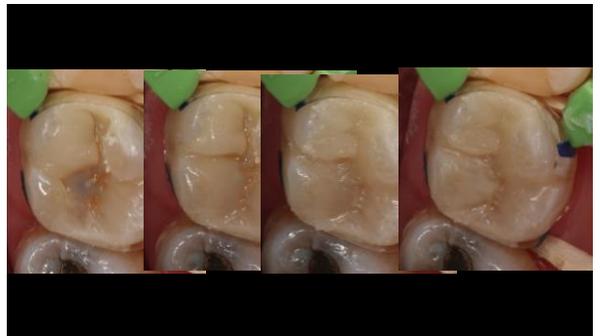
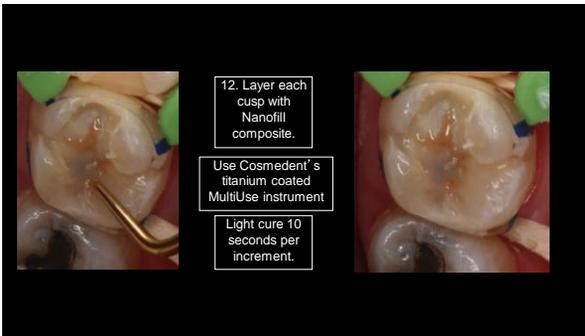
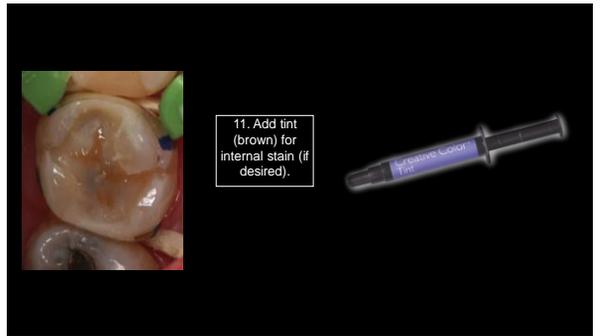
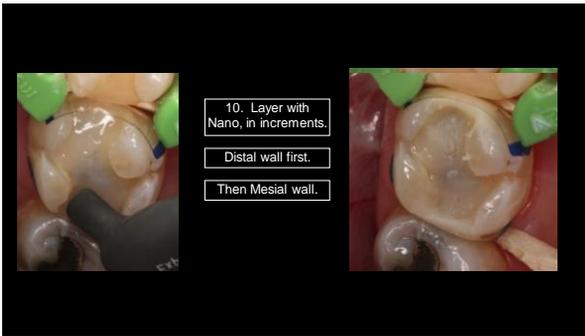



9. Bulk fill with Core build-up material (Cosmecore). Leave about 1-2 mm occlusal space for traditional Nanofilled composite. Light cure 60 seconds.

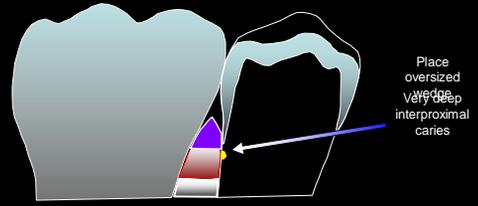



9. Bulk fill with Core build-up material (Cosmecore). Leave about 1-2 mm occlusal space for Nano. Light cure 60 seconds.





Deep Class II's

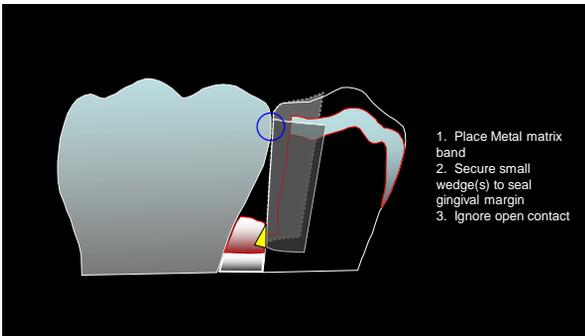
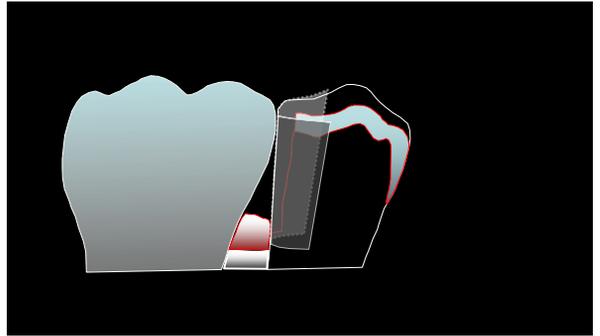
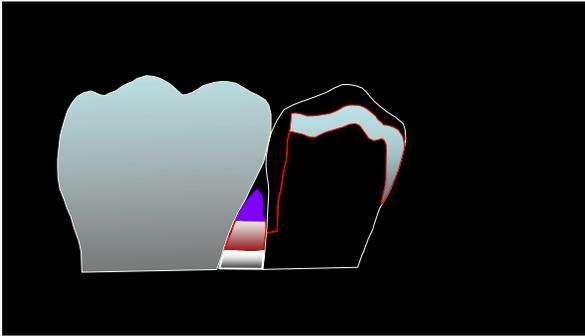


- 2 purposes of wedge:
1. compress papilla
2. create separation of teeth

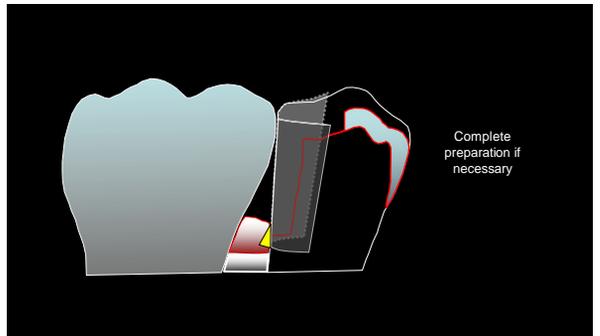
330 Carbide fissure bur

#4 caries removal bur

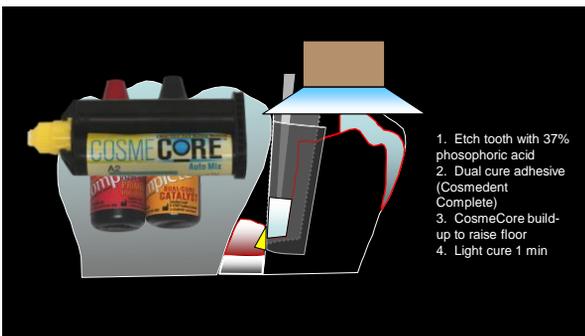
#4 caries removal bur



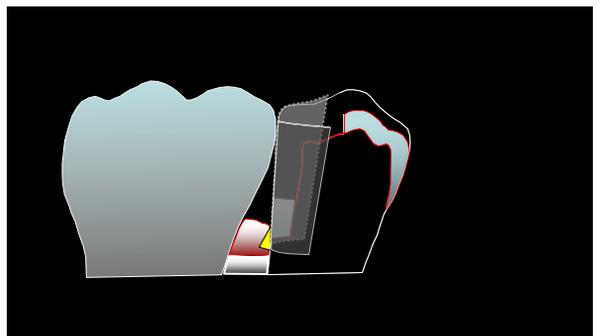
1. Place Metal matrix band
2. Secure small wedge(s) to seal gingival margin
3. Ignore open contact

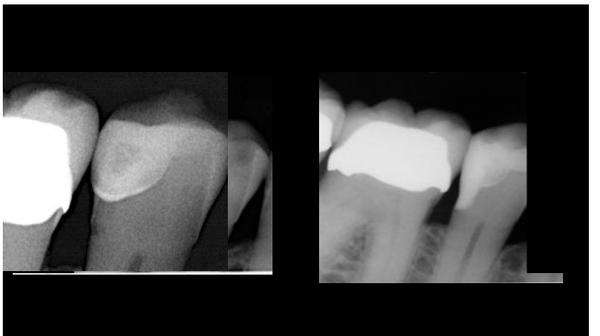
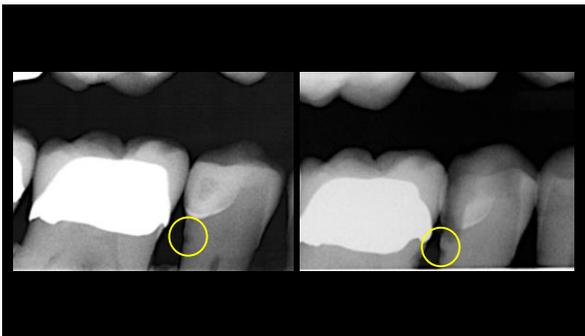
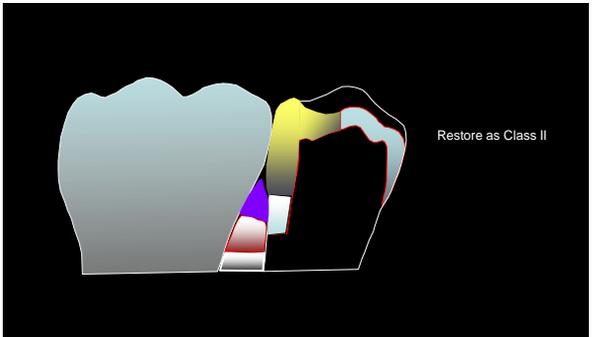
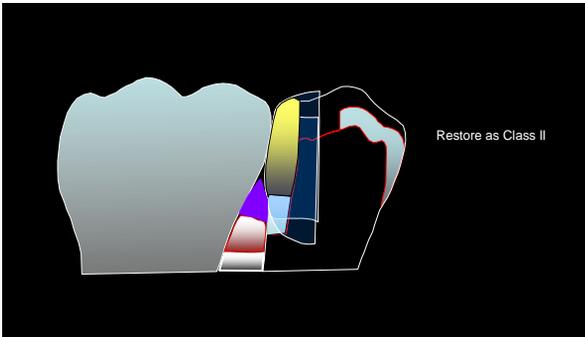
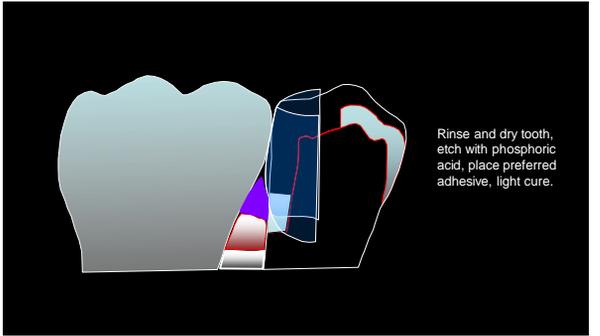
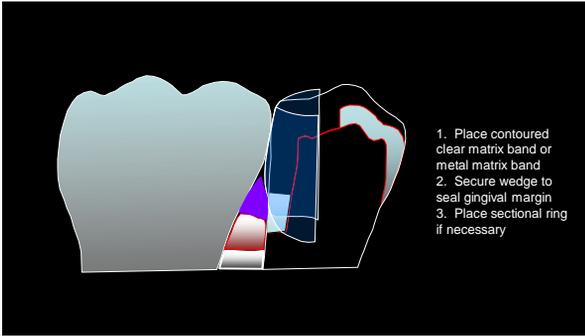


Complete preparation if necessary



1. Etch tooth with 37% phosphoric acid
2. Dual cure adhesive (Cosmedent Complete)
3. CosmeCore build-up to raise floor
4. Light cure 1 min







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