

Revolutionizing Restorations: Bioengineered Dental Restorative Materials

Traditional Restorations:

Aesthetics

Biocompatibility

Durability



Unesthetic



Lack of Bonding

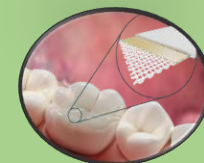


Thermal Expansion

NANO Zr



Malleable



Superior Strength



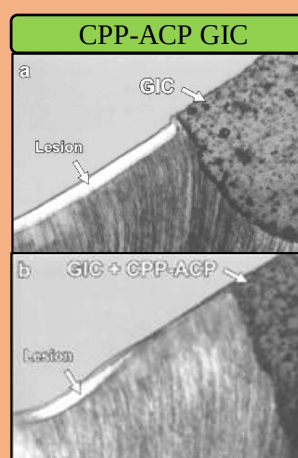
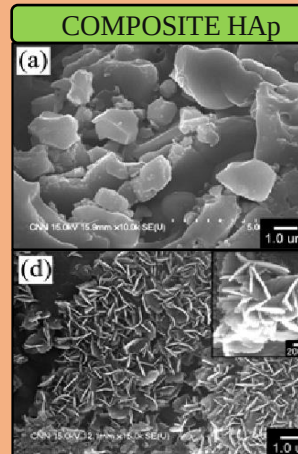
Nano Hybrid composites
– Tetric EvoCeram



Nano Hydroxyapatite -
Yttria Stabilized
Zirconia Microparticles

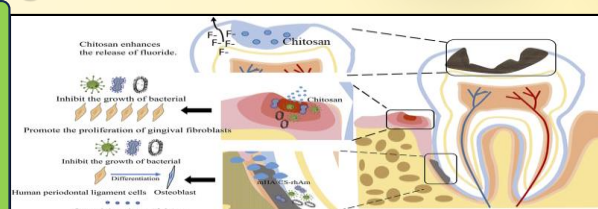


Fiber reinforced Composite-
everX Posterior

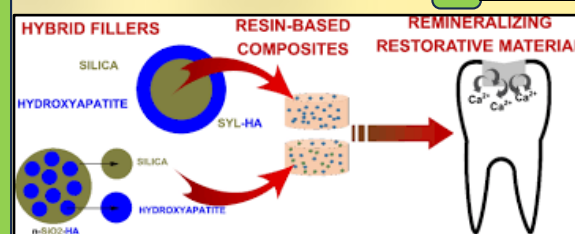


Bioengineered Dental Restorative Materials:

CHITOSAN



HYDROXYAPATITE



Enhanced properties:



Improved Biocompatibility



Enhanced Longevity



Aesthetic Appeal



Tissue Bonding



Enhanced Functionality

Advancements in Restorative Materials:



TRADITIONAL



ACTIVA™ BioACTIVE



Silicone Carbide whiskers-GIC



Hydroxyapatite modified GIC

Conclusion: Biologically engineered dental restorations represent a significant leap forward in restorative dentistry. By harnessing the power of *Bioengineered Dental Restorative Materials*, these innovative solutions can help patients achieve stronger, long-lasting and more aesthetically pleasing results, ultimately leading to a healthier, more confident smile.