

Smart materials in conservative dentistry



Nanofilled composites



Smart composite resins (e.g., stress-reducing)



Esthetic composite resins



Low-shrinkage composites



Self-etching adhesives



Universal adhesives



Smart adhesive systems (e.g., moisture-tolerant)

Smart composite

Restorative materials

Smart adhesives

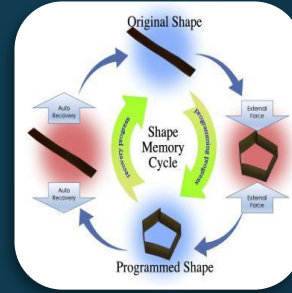
Dental cements



Self-healing composites



Smart ceramic restoration



Shape-memory alloys (e.g., Nitinol)



Bioactive glass ionomer cements



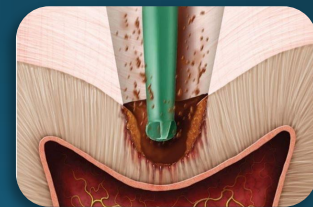
Resin-modified glass ionomer cements



Bioactive cements (e.g., calcium silicate-based)



Self-etching cements



Smart burs