

“CRAFTING THE TOOTH” BIODENTINE-BUILD TO LAST

USES

CLINICAL IMPLICATIONS

BIODENTINE has emerged in recent years as an innovative bioactive dentine substitute.
-Melina Brizuela

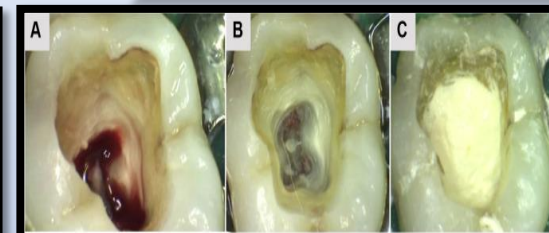
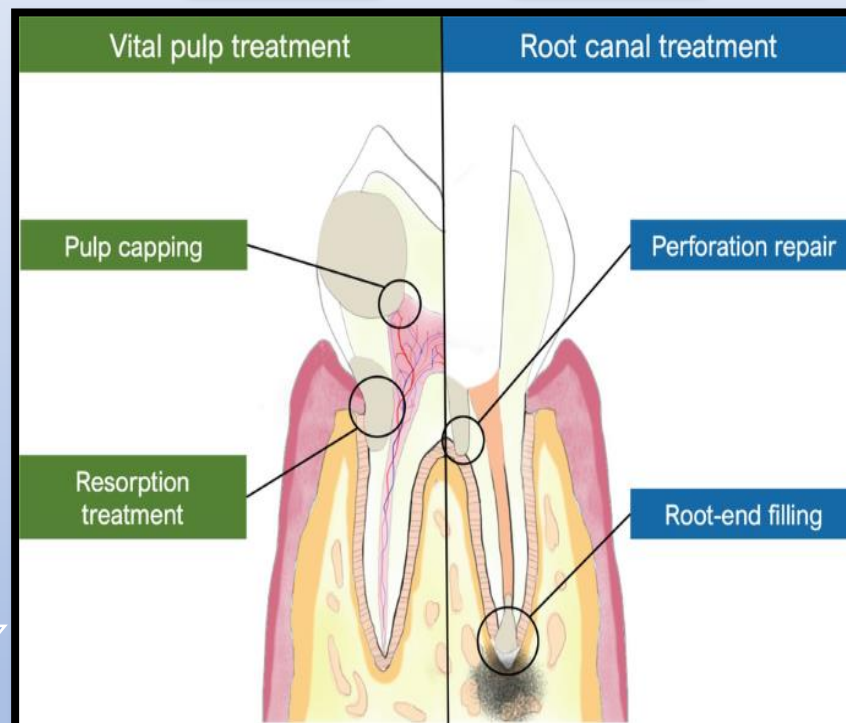
COMPOSITION

TRICALCIUM
SILICATE,
CALCIUM
CARBONATE,
ZIRCONIUM
OXIDE, IRON
OXIDE

CALCIUM
CHLORIDE

PROPERTIES

- Fast setting
- Similar microleakage than RMGIC
- Good marginal integrity
- Bond strength superior to MTA in furcation perforation repair
- Low porosity
- Insufficient radiopacity
- Biocompatible



PULPOTOMY

DIRECT PULP CAPPING

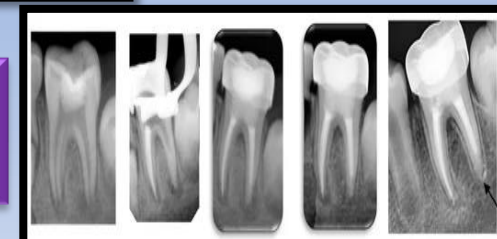


FURCATION PERFORATION REPAIR



Figure 2. Radiographic images. A) BDT group specimens. A1) immediate postoperative. A2) 120 days after furcation perforation repair. B) MTA group specimens. B1) immediate postoperative. B2) 120 days after furcation perforation repair with development of radiolucency (arrow). C) PC group specimen. C1) immediate postoperative with radiolucency (arrow). C2) 120 days after furcation perforation with increase of radiolucency (arrow).

APEXIFICATION



FUTURE PERSPECTIVE BIOAGGREGATE, EMDOGAIN

