



FREEZDONTICS



EFFECTS OF CRYOTHERAPY

Post
Endodontic
pain

Success of
Local
Anesthesia

Reduction of
root surface
temperature

Kills
E.faecalis

Cutting efficacy
of NiTi
Instruments

PHYSIOLOGY

Temperature
Change

Changes in
local blood
flow

Cellular
Tissue
Metabolic
Activity

Nerve
Stimulation

Derived from the
Greek word **cryos**,
meaning “cold.”



MECHANISM OF ACTION

Extreme cold - freeze and remove abnormal tissue.

Reduce blood flow, decreases swelling that causes pain.

Blood vessels are narrowed.

Freezing dry air (below -100 C) for two to four minutes.

By liquid nitrogen, liquid nitrous oxide and argon gas.

