

POWERING DENTAL INNOVATION

CERIUM SURGE

Cerium (Ce^{58}) oxides are rare earth metal oxides. They have unique redox and catalytic activities.

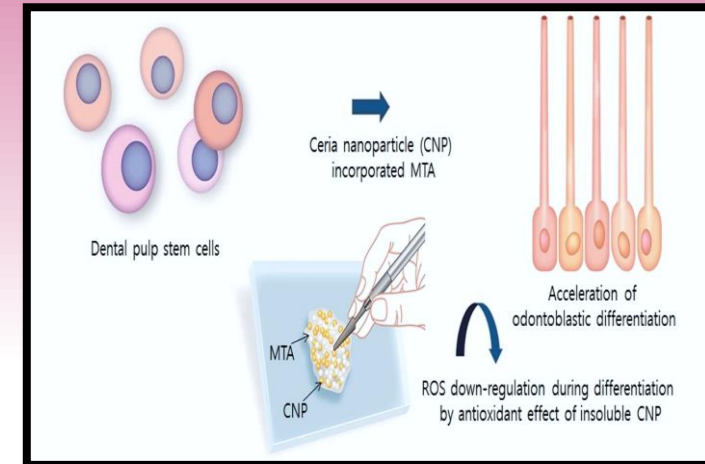
In GIC, Pit & Fissure sealant it increases anti-bacterial efficacy and mechanical properties.

Alters the tooth structure by incorporation of cerium ions into hydroxyapatite crystals.

In Dental Porcelains, cerium oxide acts as silver decolorizer and imparts natural fluorescence.

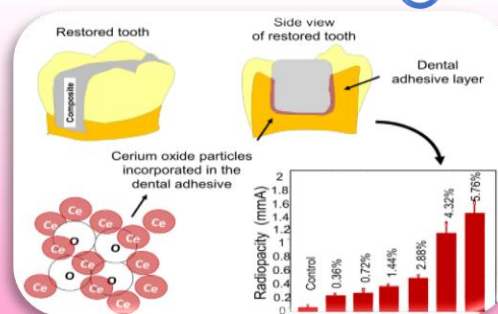
➤ *Antibacterial activity against common oral pathogens*

➤ *In Endodontic Sealers, increases anti-microbial efficacy and dentin sealing.*



➤ *Incorporation into MTA increases the osteoblast differentiation*

➤ *Nano cerium based scaffold can be used for Regenerative Endodontics*



Act as Radio opacifier in dental adhesives