

HEALING TEETH WITHOUT DRILLS: The Role of EAER in Modern Dentistry

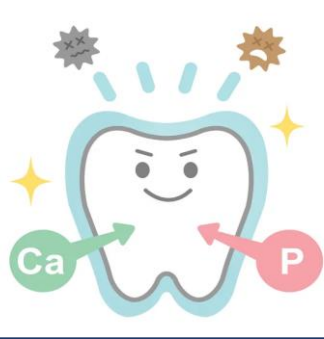
A complete
painless
procedure

EAER - Electrically Accelerated and
Enhanced Remineralization

REMINOVA

It boosts
tooth's natural
repair process
by movement
of calcium and
phosphate
minerals into
the damaged
tooth.

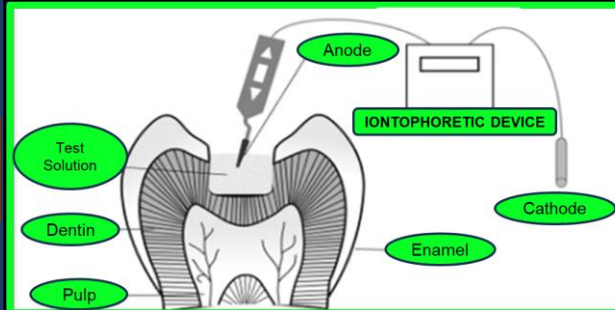
KING'S COLLEGE, LONDON



Only early to medium
tooth decay can
undergo self-healing.

IONTOPHORESIS

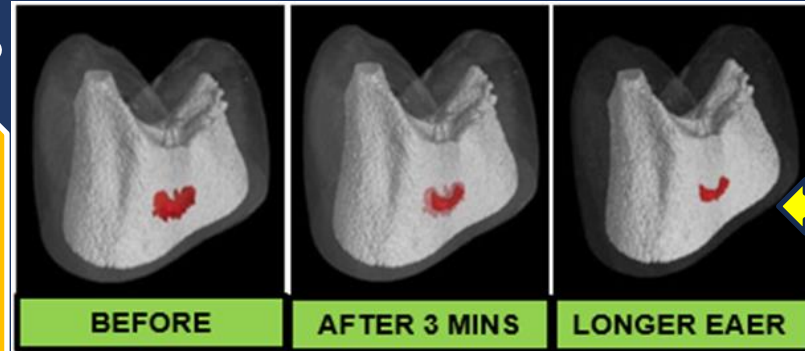
A small electrical field is created
from a custom made dental device
to drive mineral molecules from a
reservoir into the deepest parts of
caries lesions, which have
been cleaned and conditioned.



It's done with a Healing
HandPiece". This process takes
15 minutes

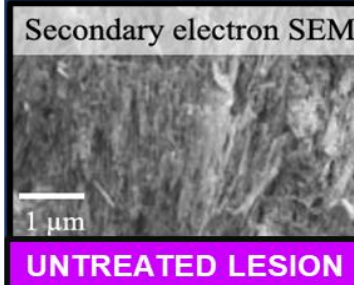
Remineralizing Agents

1. Remineralizing
Toothpaste
2. Tooth Mousse

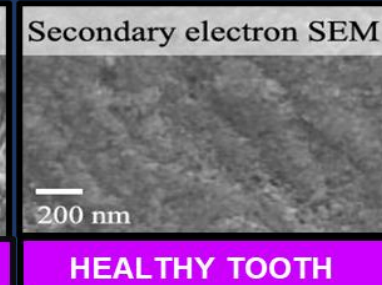


RESULTS

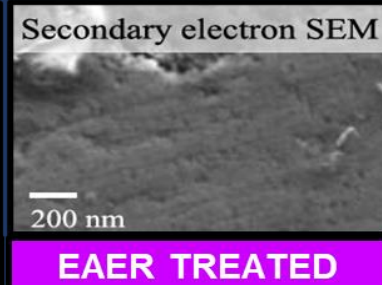
**3D MICRO-CT OF
HUMAN TOOTH-**
Natural caries
lesion "**shrinking**"
in depth and
volume after EAER
treatment



UNTREATED LESION



HEALTHY TOOTH



EAER TREATED

STEPS

PRECONDITIONING

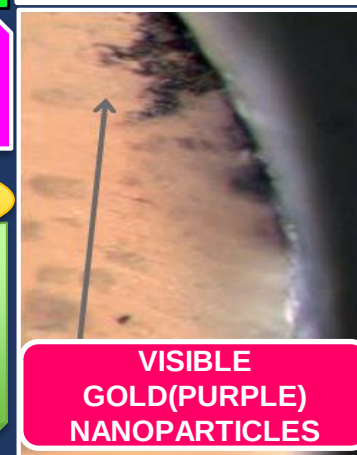
ACTIVATION

REMINERALIZATION

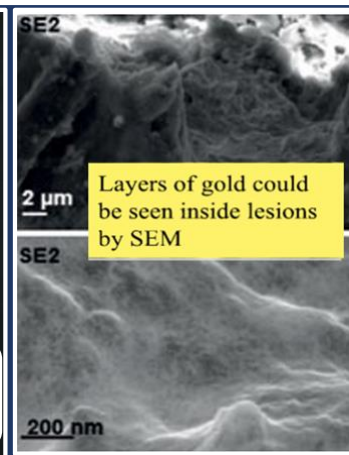
MATURATION

ADVANTAGES

1. No loss of healthy
tooth structure
2. No introduction of
foreign materials
3. No re-restorations
4. Highly aesthetic
and stronger teeth



**VISIBLE
GOLD(PURPLE)
NANOPARTICLES**



Layers of gold could
be seen inside lesions
by SEM

PRESENTATION CODE:418