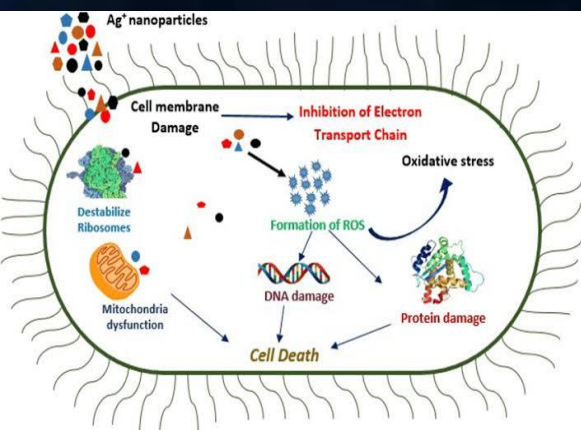


Nanotechnology: A marvel in endodontics

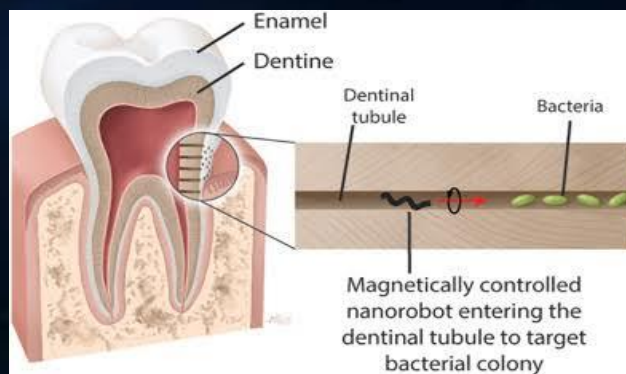
Nanotechnology is the recent advancement in scientific research, exploring a phenomenon which involves direct manipulation of materials at Nano scale.

Mechanism Of Action



APPLICATIONS

Nanorobots



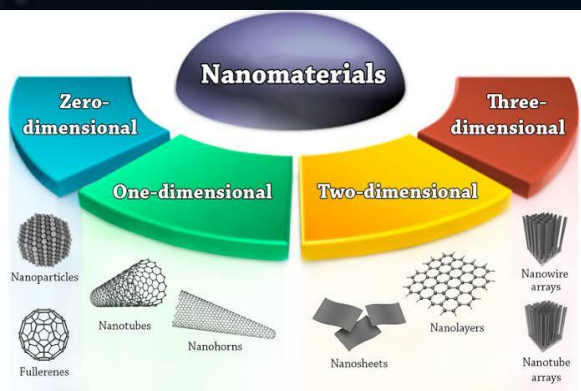
Irrigation



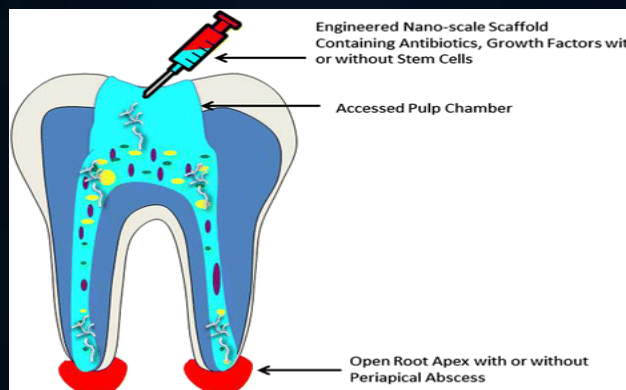
ADVANTAGES

Enhanced Disinfection.
Improved Root Canal Sealers.
Strengthened Root Canal Fillings.
Regeneration and Healing
Enhanced Drug Delivery

CLASSIFICATION



scaffold



Filling material



LIMITATIONS

Toxicity and biocompatibility concerns.
Limited long term data.
Complex manufacturing and high cost.
Potential environmental impact.

CONCLUSION: The integration of nanotechnology in endodontic procedures may lead to minimally invasive , more effective and long lasting treatments.