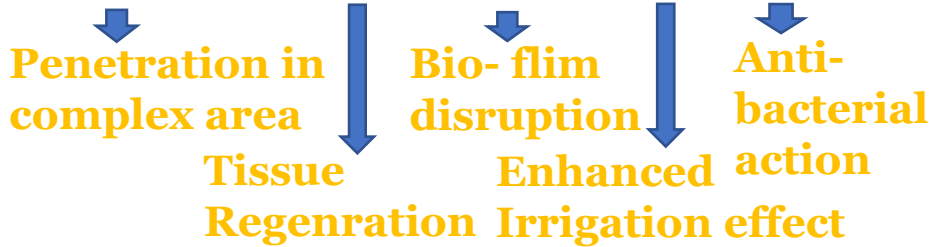


“ENHANCING ENDODONTIC OUTCOMES: HARNESSING NANOPARTICLES FOR SUPERIOR IRRIGATION.”

WHY NANO-PARTICLES IN IRRIGATION?



TYPES OF NANO-PARTICLES:

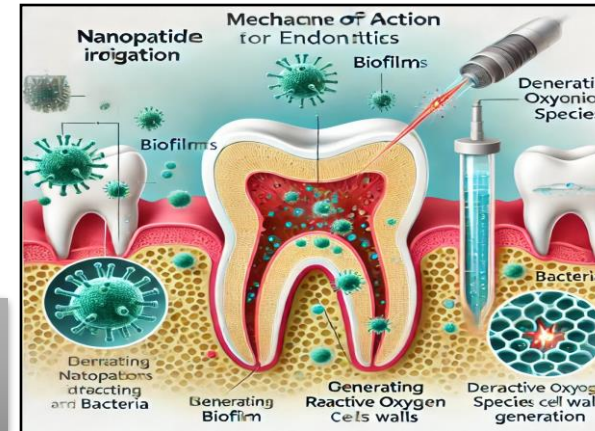


MECHANISM OF ACTION:

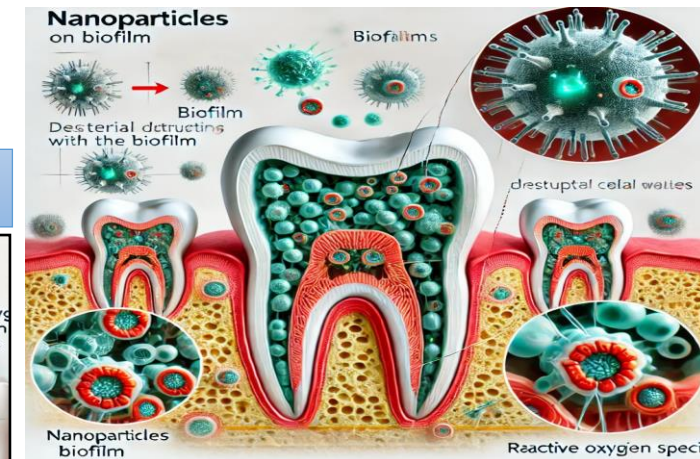
1. Physical Disruption

2. Chemical Action

3. Enhanced Penetration



BENEFITS



CHALLENGES AND CONSIDERATION:

1. Safety Concerns

2. Optimal concentration

3. Standardization

FUTURE SCOPE:

1. Combination Therapies

2. Customized Nanoparticles

3. Long-Term Clinical Studies

CONCLUSION:

1. Superior Advancement
2. Anti-Microbial Property
3. Revolutionize root canal disinfection.