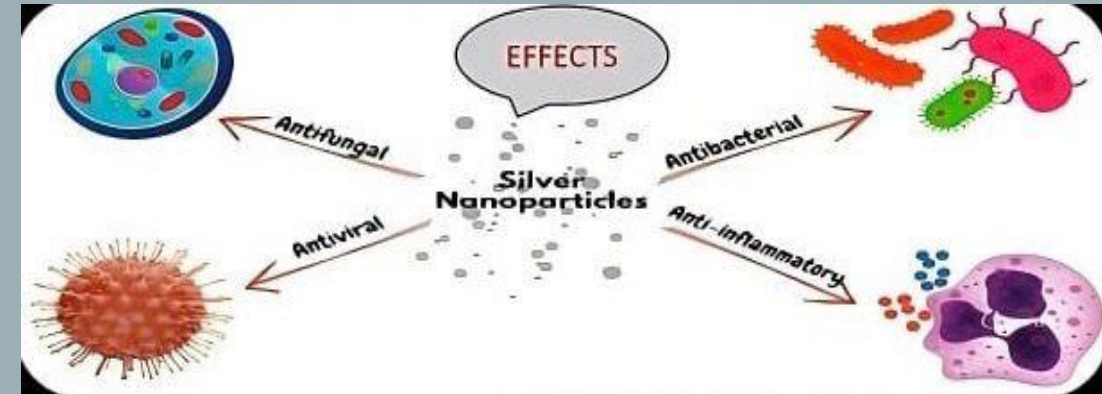
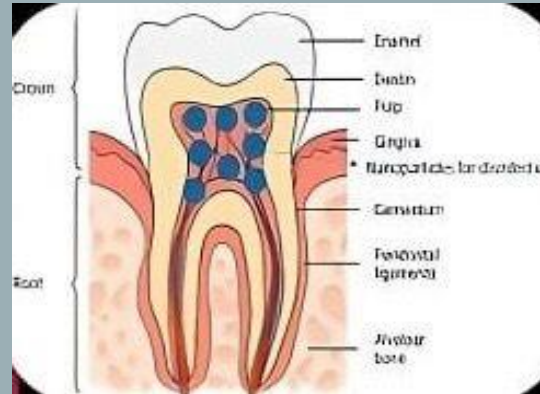
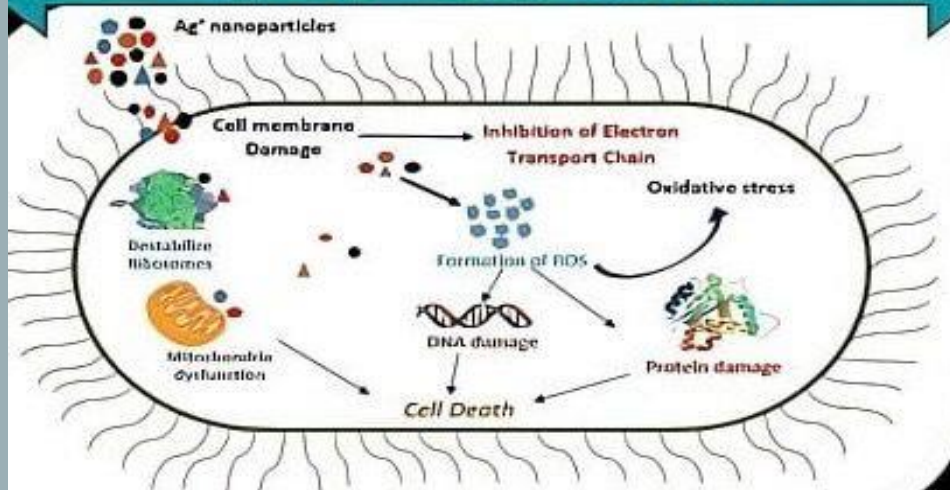


SILVER NANOPARTICLE IRRIGANT: A NEW FRONTIER IN ENDODONTIC DISINFECTION AND BIOFILM MANAGEMENT

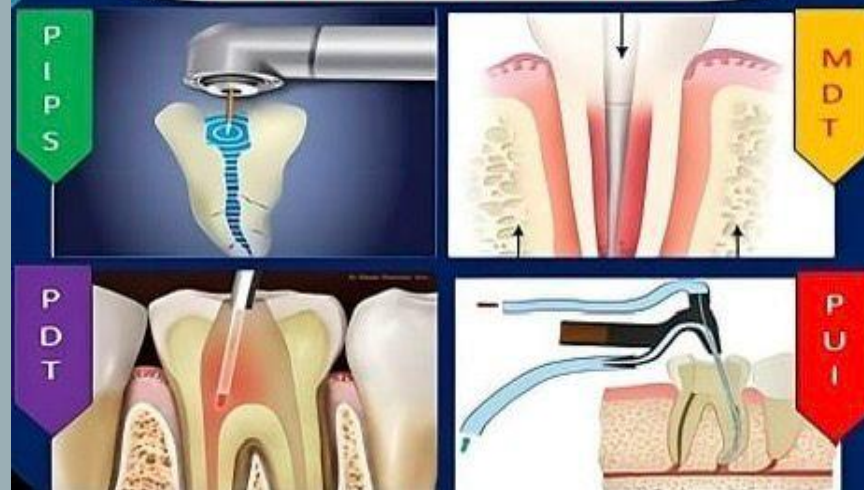
- Nanoparticles are an area of research that has gained popularity in recent years.
- Size of nanoparticles ranges between 1-100 nm.
- Silver Nanoparticles (AgNP) is a popular antimicrobial agent. They are the nanoparticles that have been studied the most concerning endodontics and have shown positive effects.



MECHANISM OF ACTION



MODES OF ACTIVATION



Conclusion

- Considering the limitations of AgNP studies having moderate to low risk of bias, it can be concluded that AgNP has an antimicrobial effect when used as to irrigate root canals.
- They have the potential to be used as an endodontic irrigant. (Shilpa Bhandi, Deepak Mehta, JOURNAL OF CLINICAL MEDICINE 2021)