







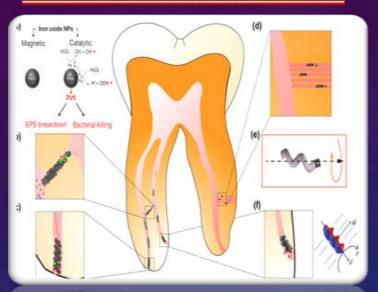
THE MICRO MACHINE MIRACLE !!!!!!

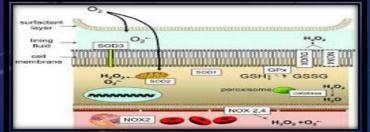
Microorganisms are the primary aetiological factor of apical periodontitis. The goal of endodontic

treatment is to prevent and eliminate the infection by removing the microorganism.



AGGREGATED MICROSWAMS

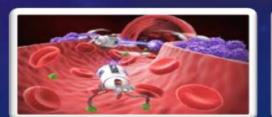




ENDODONTIC MICROROBOTICS

Recently, biofilm targeting has been demonstrated using AGGREGATED MICROSWAMS,3D- MOULDED HELICOIDS AND HELICAL SILICA NANOROBOTIC.

(Babeer et al 2022;Dasgupta et al; 2022 ; Hwang





Magnetically controlled nanorobot entering the

dentinal tubule to target bacterial colony

3D MOULDED HELICOIDS





HELICAL SILICA NANOROBOTICS

Dentinal

Dentine