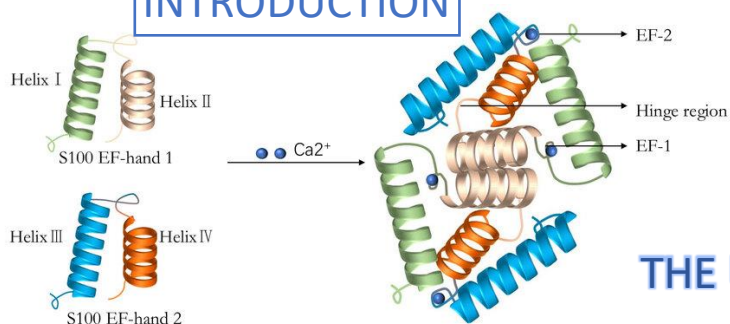
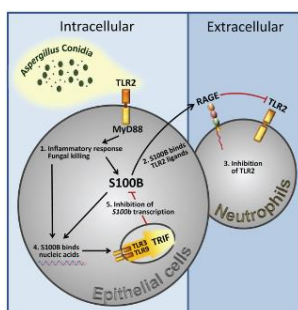
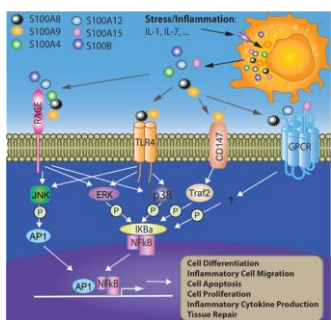


INTRODUCTION



- Family of calcium binding proteins
- Involved in various intracellular and extracellular functions

IN DENTISTRY



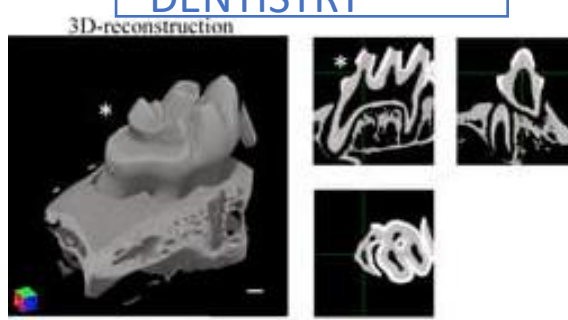
- S100 A7,A8,A9 & S100B have been found in dental tissues
- Expressed in inflammatory conditions like dental pulp inflammation & periodontitis

S 100 PROTEINS

THE UNSUNG HEROES OF DENTAL BIOLOGY

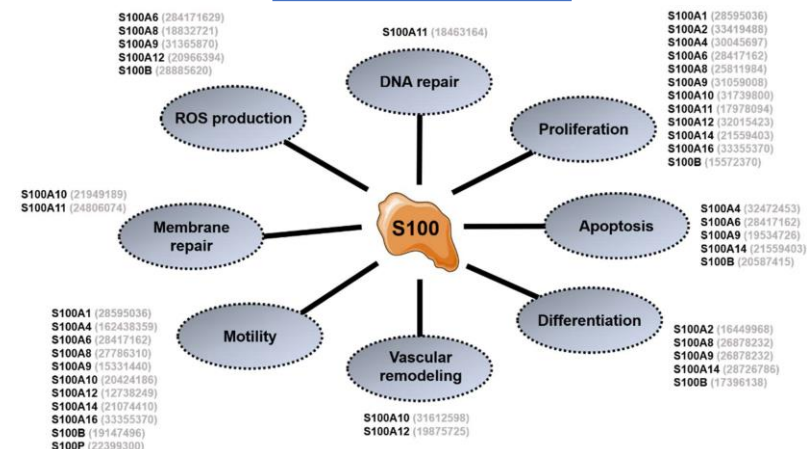
APPLICATIONS

IN CONSERVATIVE DENTISTRY

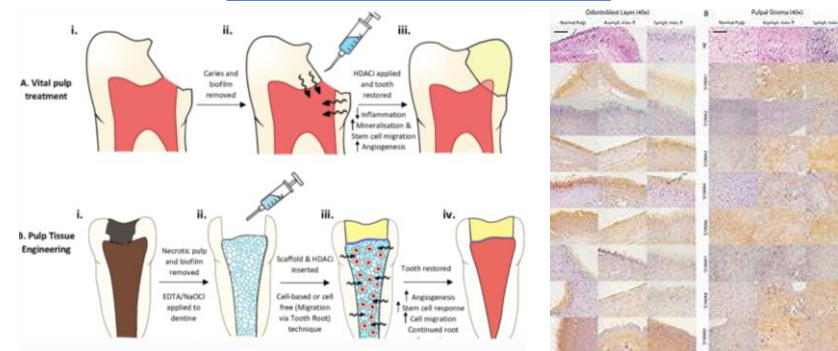


- S100 A8 & A9 are associated with dental caries progression
- Remodelling of dentin in cavity preparation & restoration

FUNCTIONS



IN ENDODONTICS



- S100B is linked with nerve regeneration
- Regulation of immune responses & healing process
- Tissue engineering & regenerative procedures