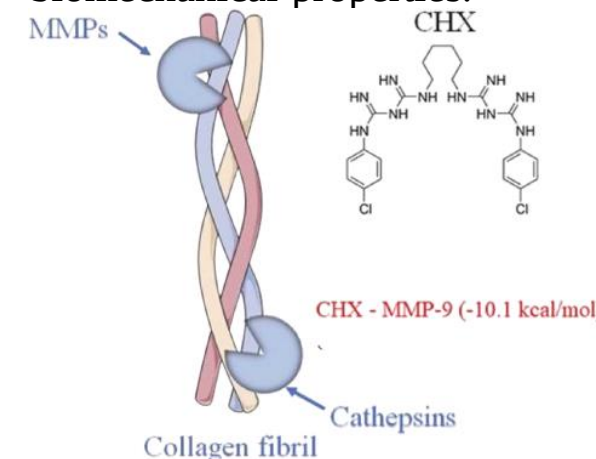
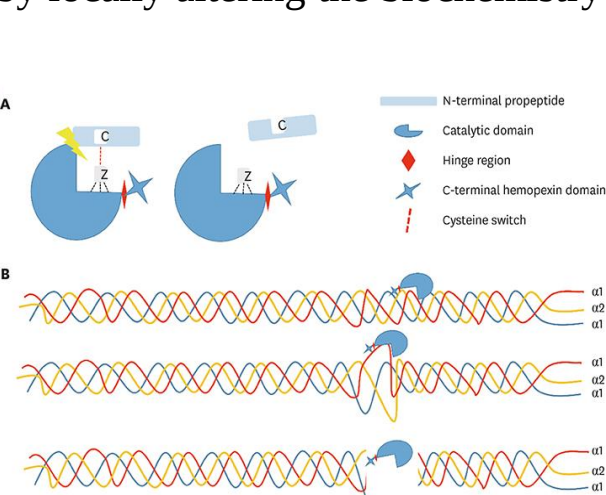
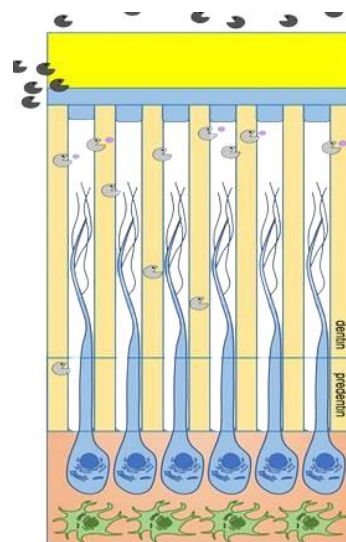
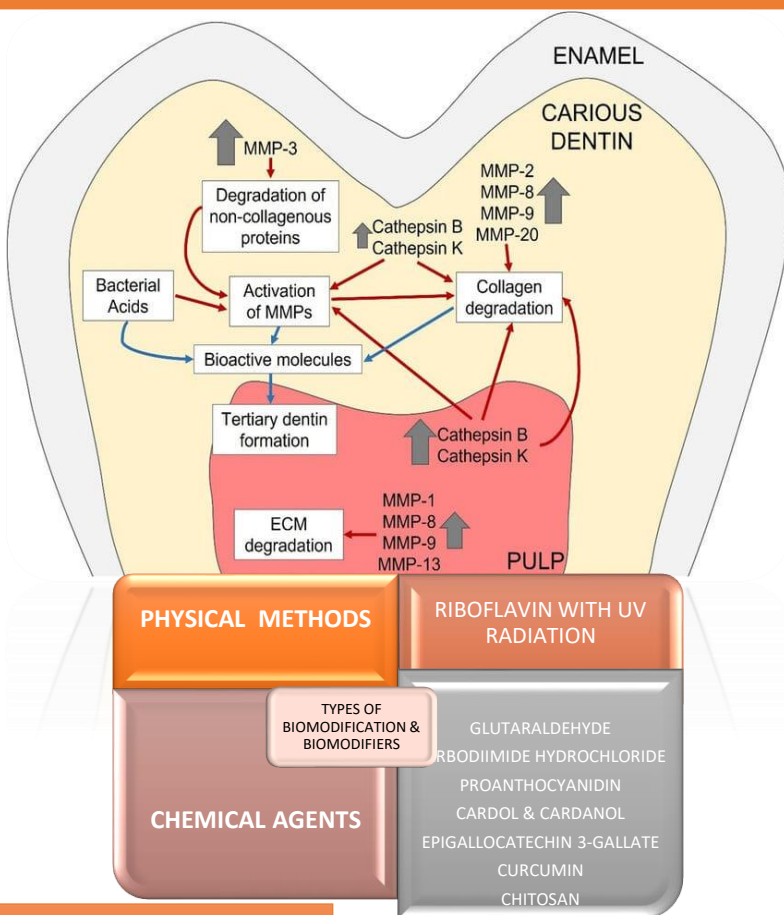
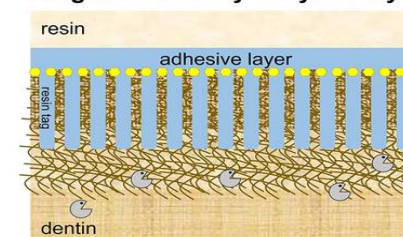


DENTIN BIOMODIFICATION

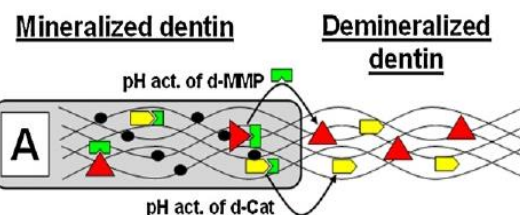
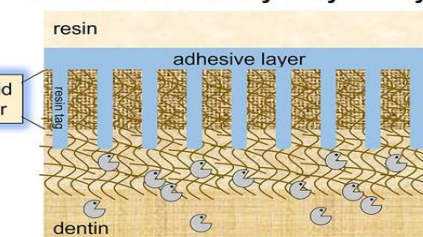
The bio modification of dentin is a biomimetic approach, mediated by bioactive agents to enhance and reinforce the dentin by locally altering the biochemistry and biomechanical properties.



Long-term stability of hybrid layer



Short-term instability of hybrid layer



- exogenous MMPs
- endogenous MMPs
- dentin collagen
- fucosterol

CONCLUSION

Dentin biomodification is a bio-inspired strategy to enhance the properties of dentin matrix with major impact on novel preventive and reparative/regenerative dental therapies. For future development care must be taken to select appropriate source materials & perform rigorous standardization to develop intervention materials that are suitable for clinical use.