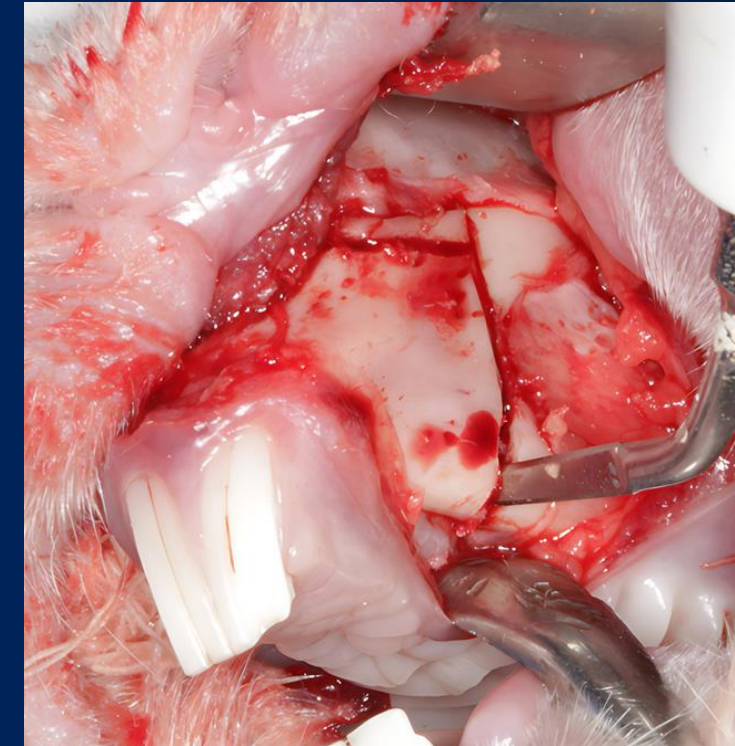
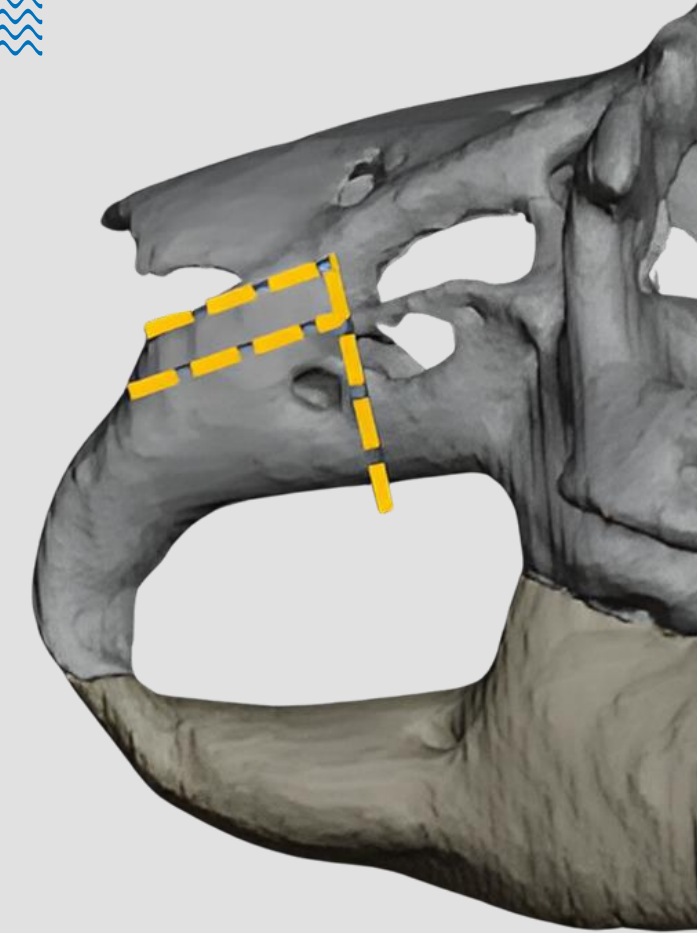
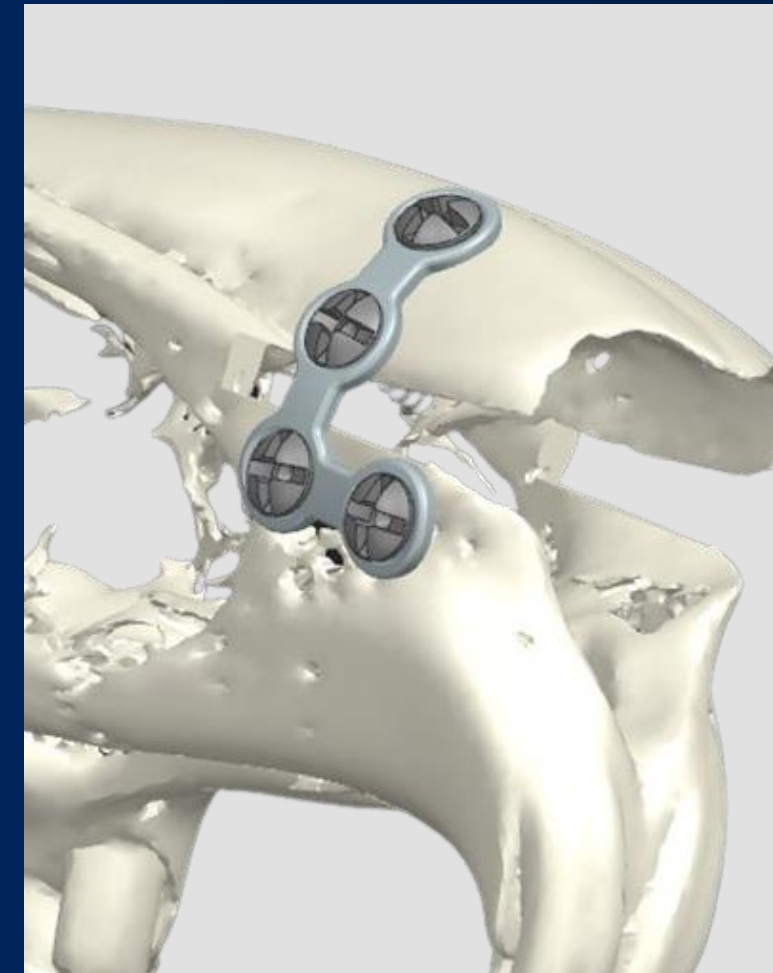


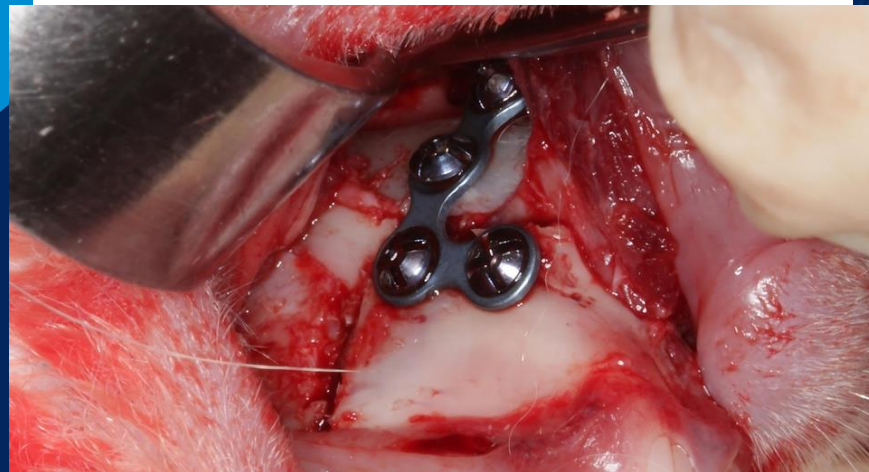


Enhancing Bone Healing in Rabbit Premaxillary Defects with 3D-Printed Grafts Stimulating Proteoglycan Activity

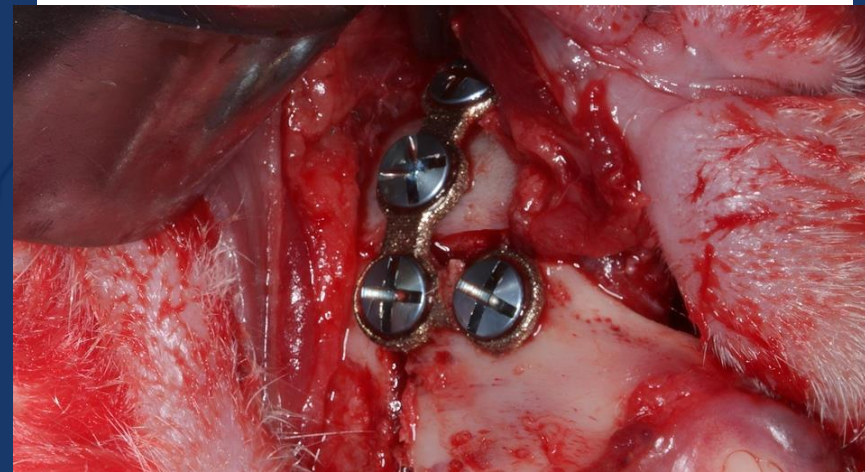
J. A. Shibli, E. Dallazen, G. Dias, G. Ferreira, A. R. Naqvi, L. Faverani



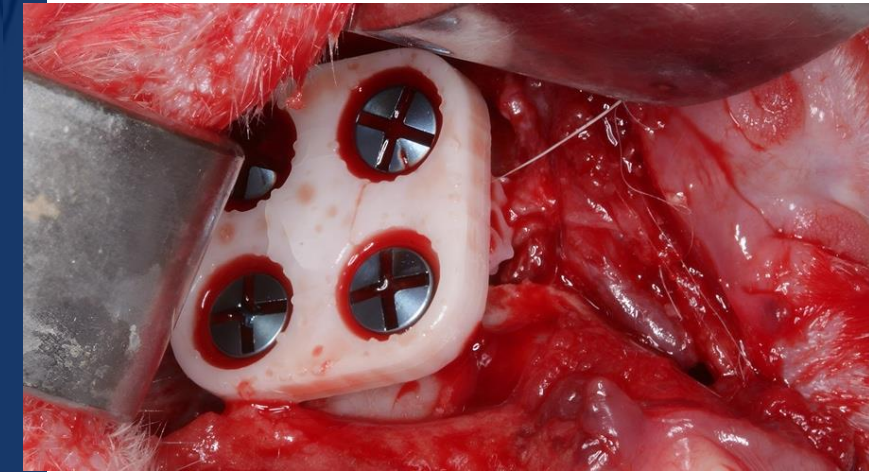
EXPERIMENTAL GROUPS



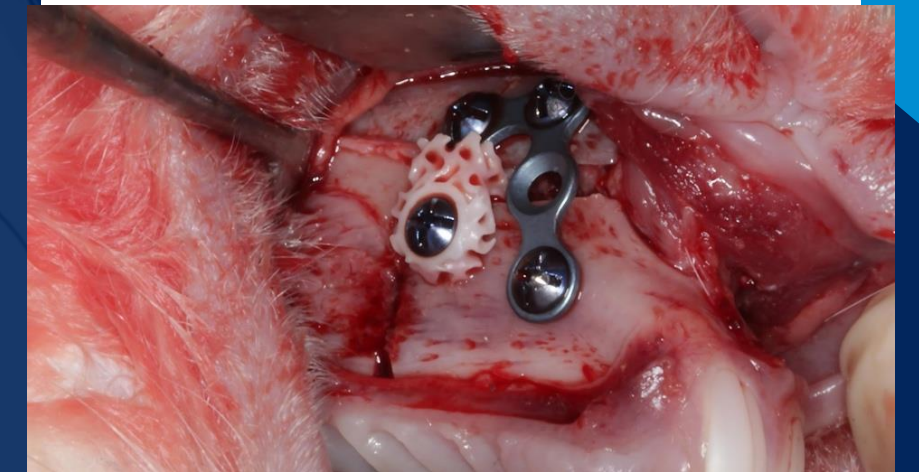
**PLATES
(N=6)**



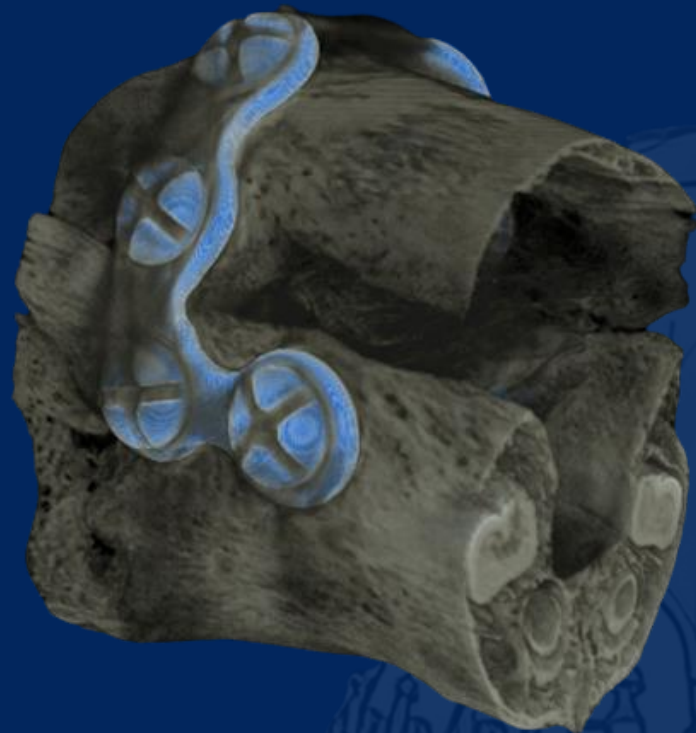
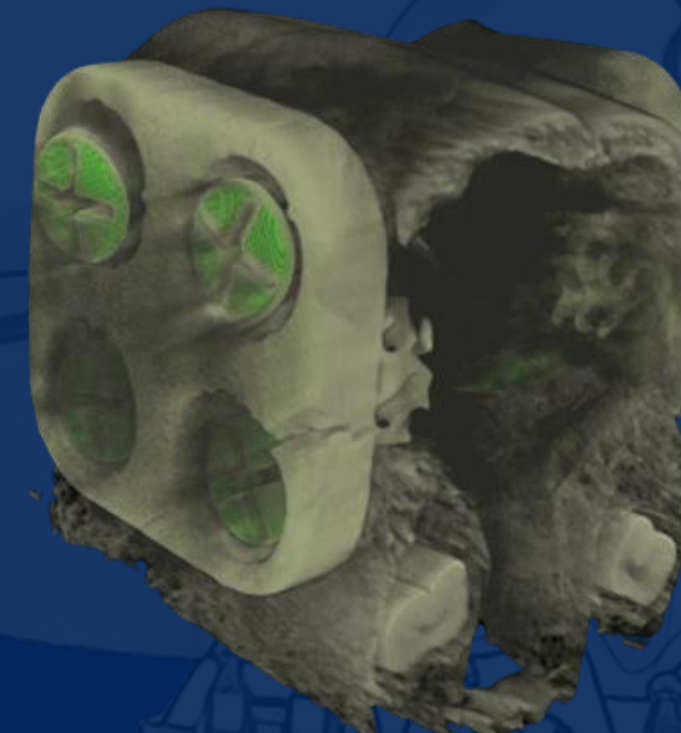
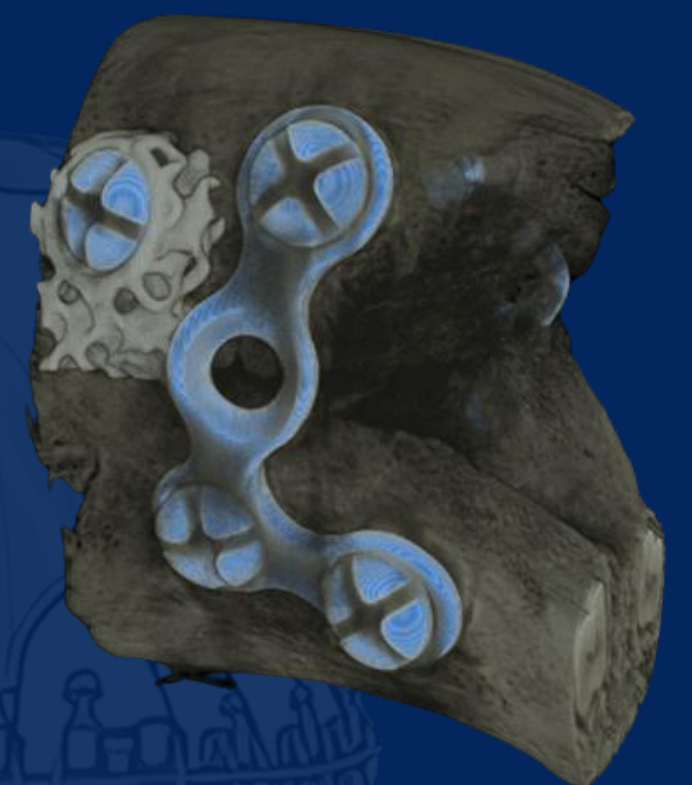
**3D PLATES
(N=6)**



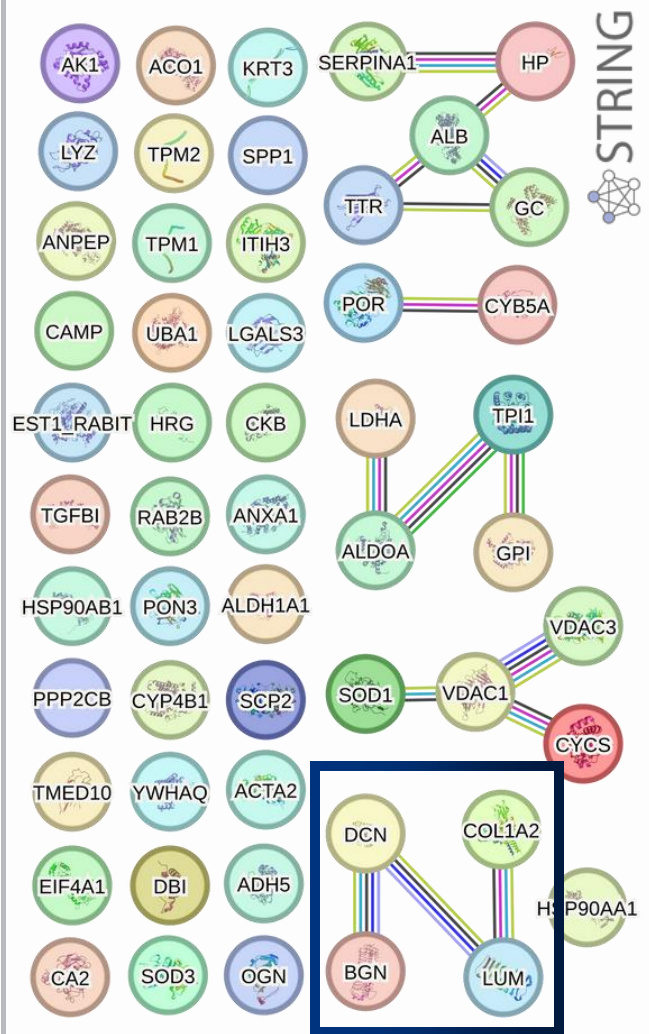
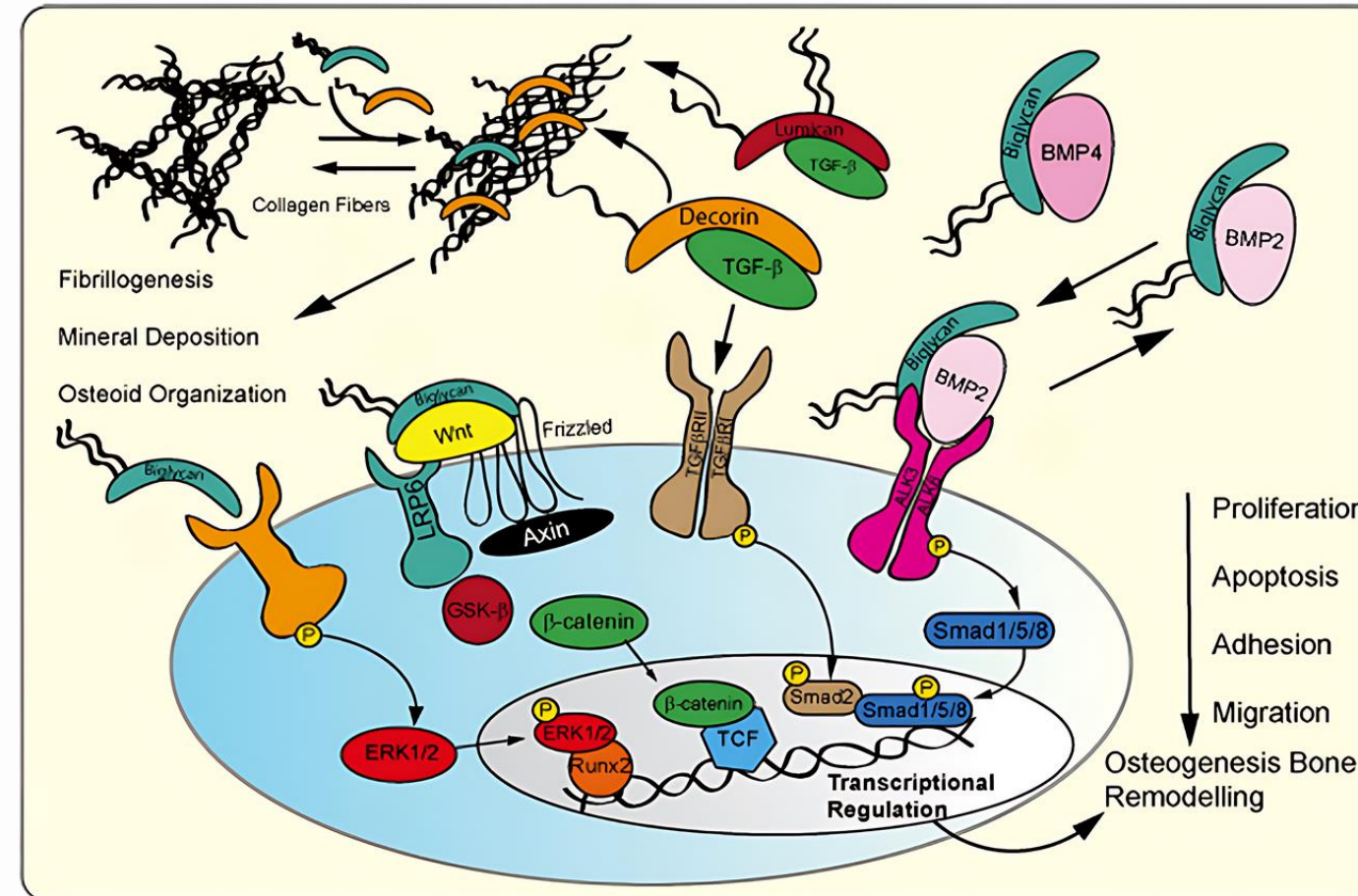
**GRAFTS
(N=6)**



PLATES+GRAFTS (N=6)

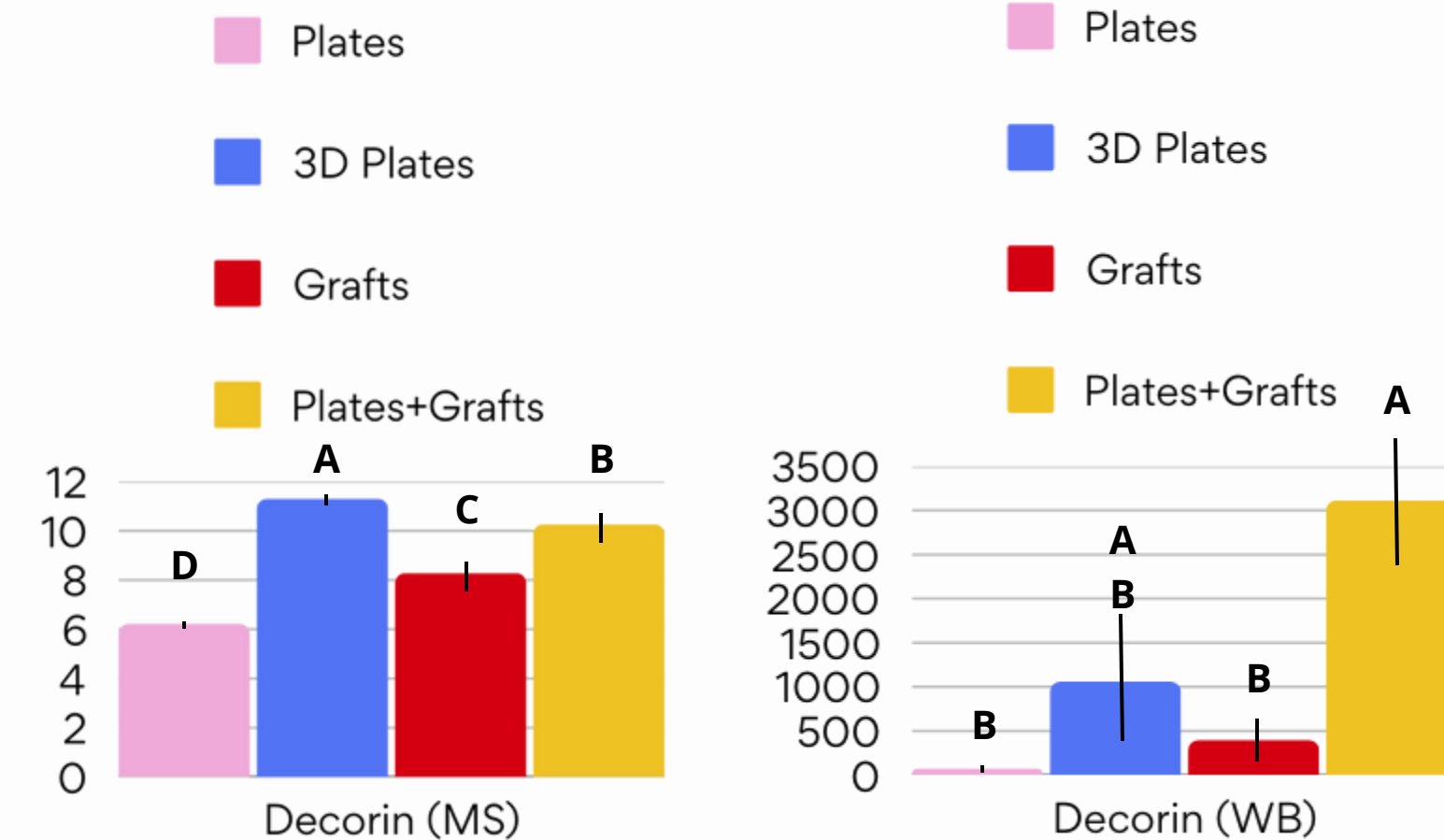


Small leucine-rich proteoglycans

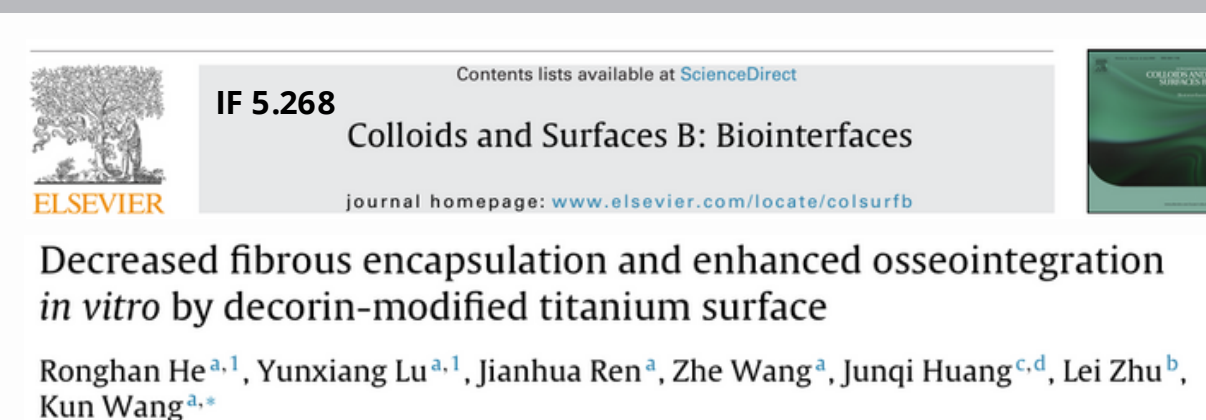
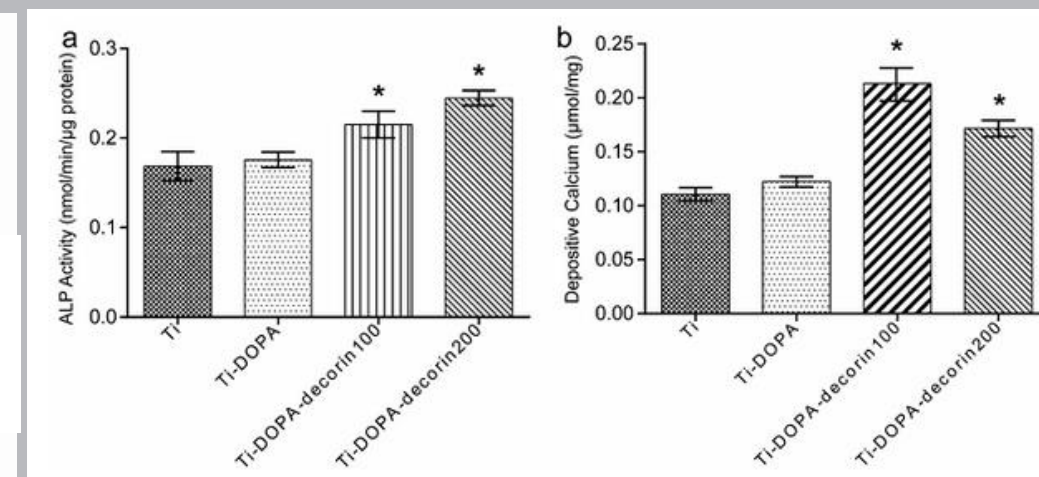


NIKITOVIC, Dragana et al. (2012)

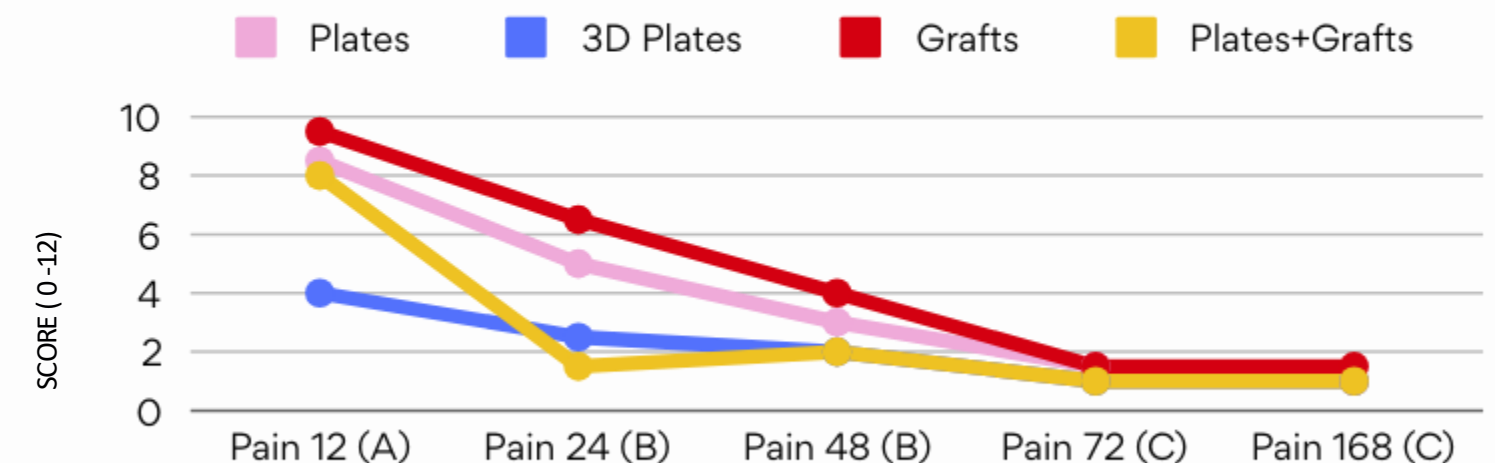
The biology of small leucine-rich proteoglycans in bone pathophysiology



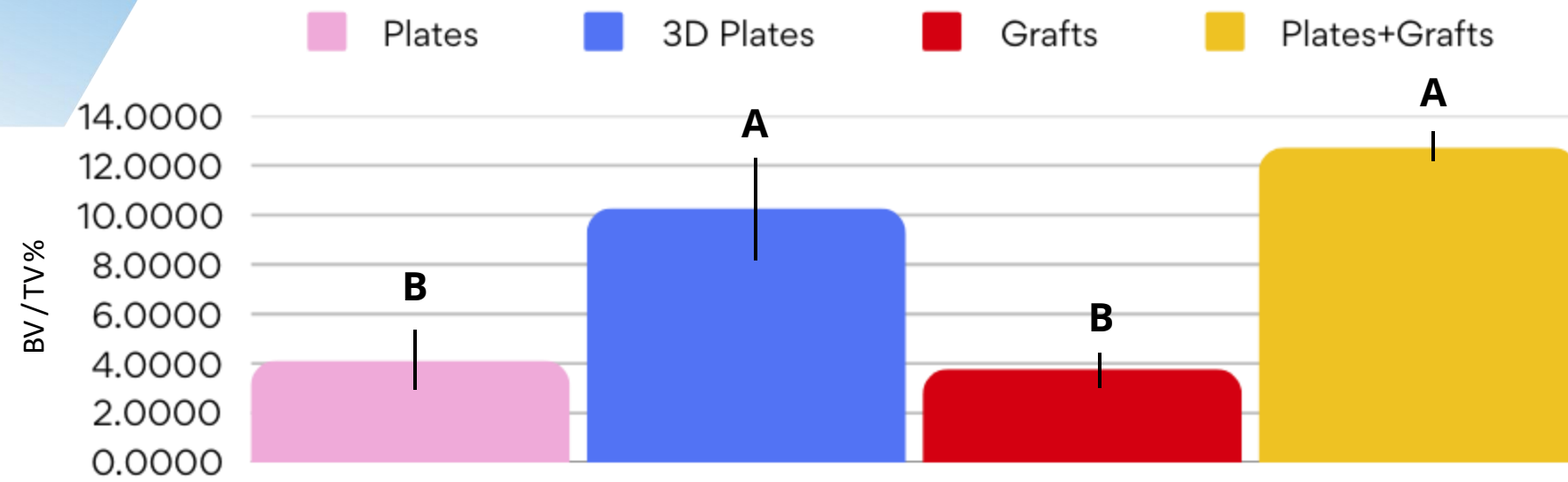
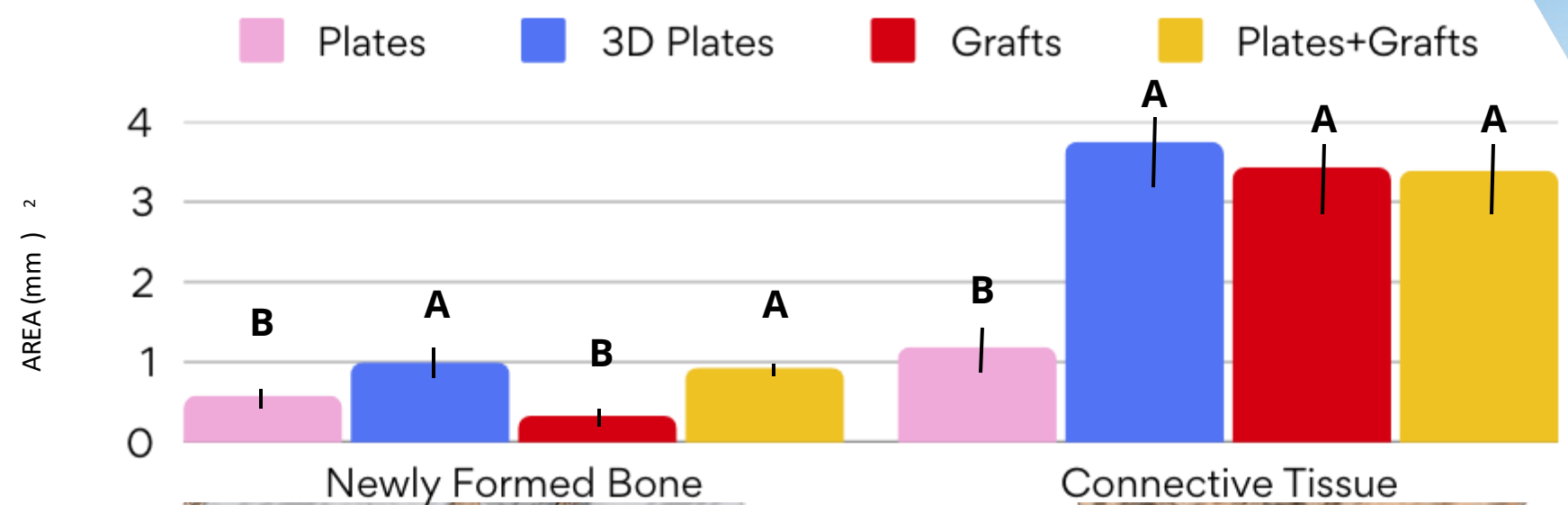
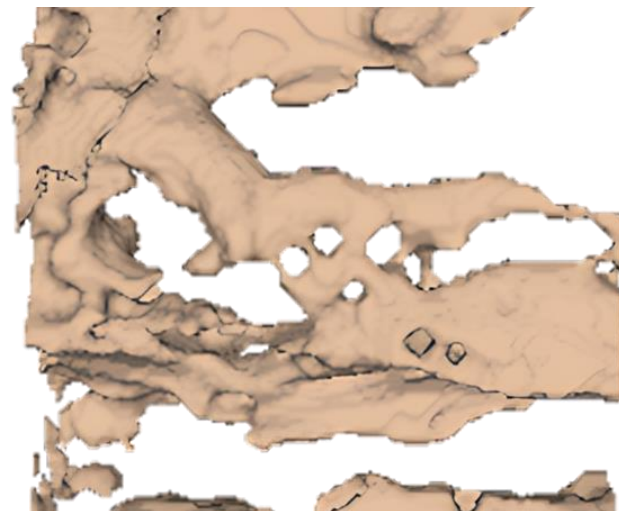
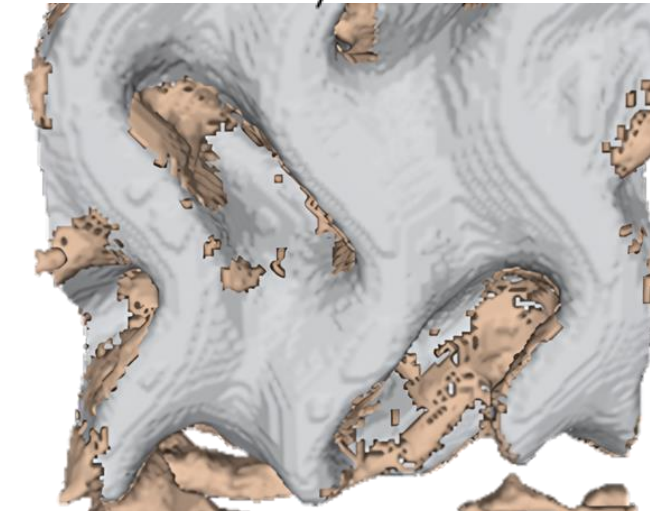
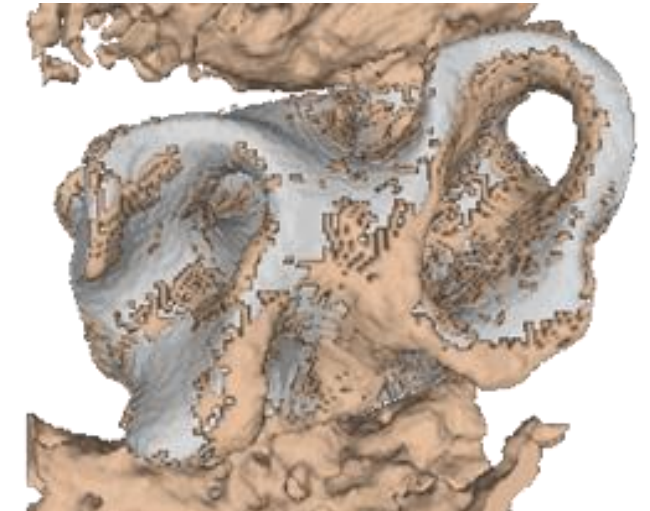
Can Decorin alter the characteristics of bone repair?



Bristol Rabbit Pain Scale



ANALYSIS RELATED TO NEW BONE FORMATION

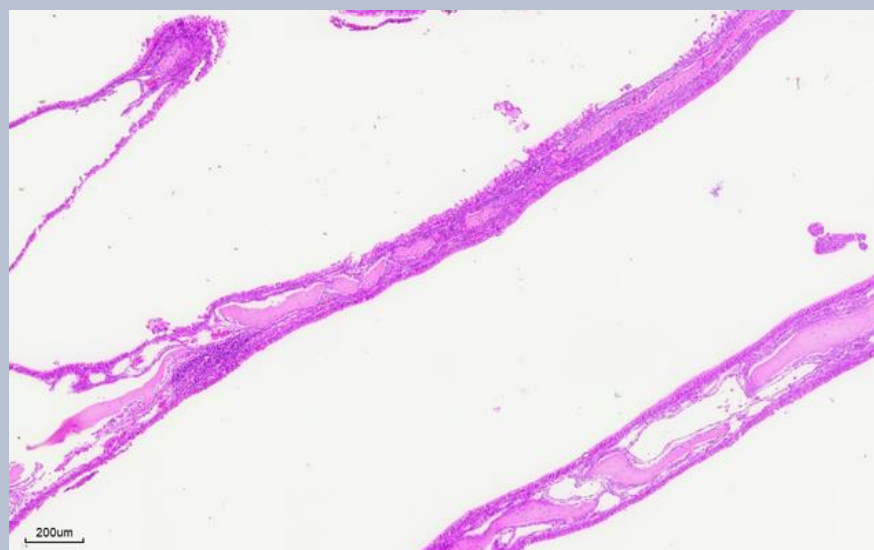
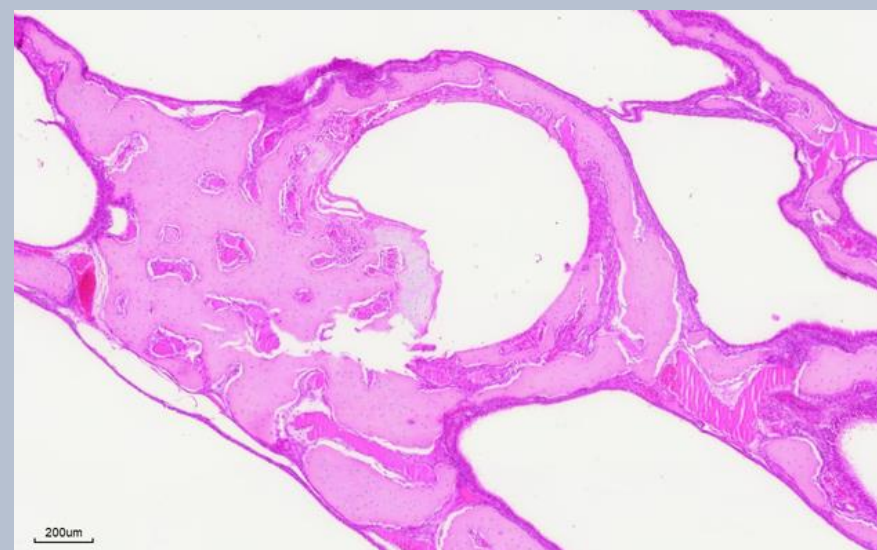
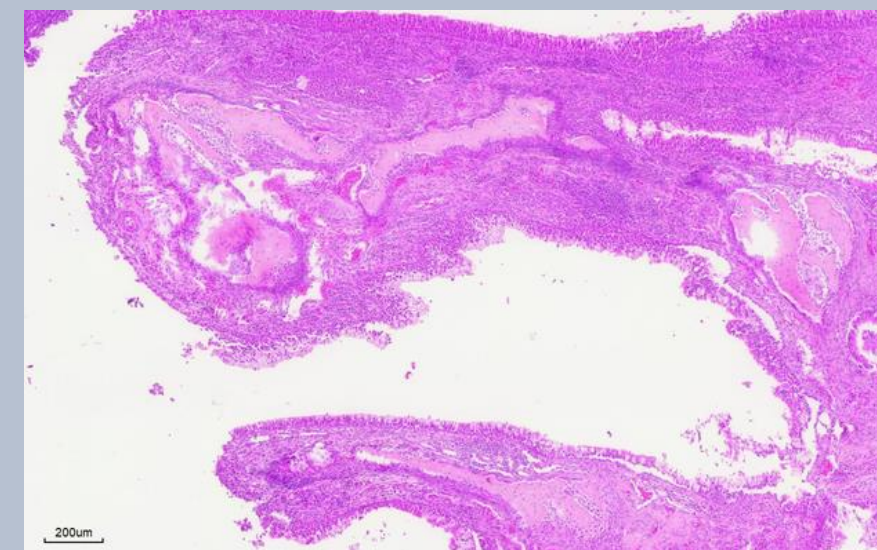
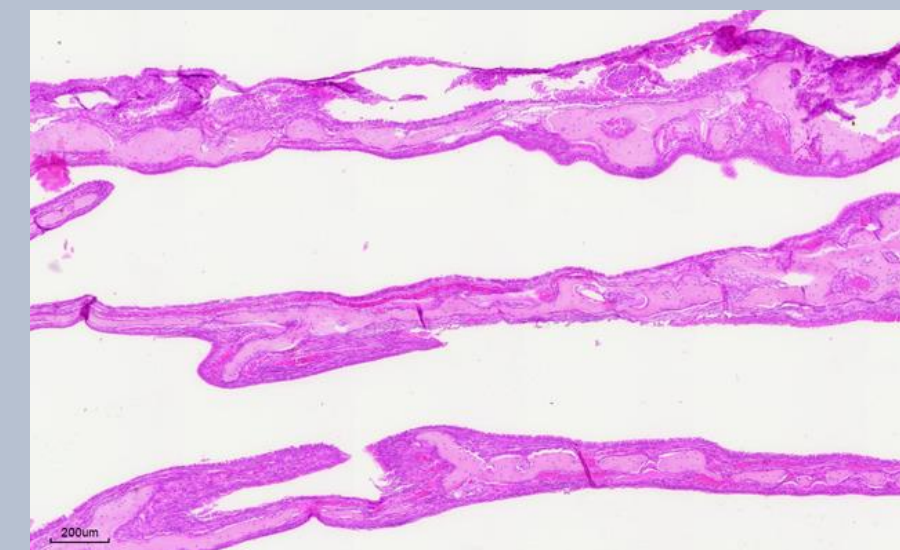


PLATES (N=6)

3D PLATES (N=6)

GRAFTS (N=6)

PLATES + GRAFTS (N=6)



This study demonstrates the potential of additive manufacturing techniques in enhancing bone healing outcomes and elucidates the functions of proteoglycans in bone repair.

Thank You
So Much

