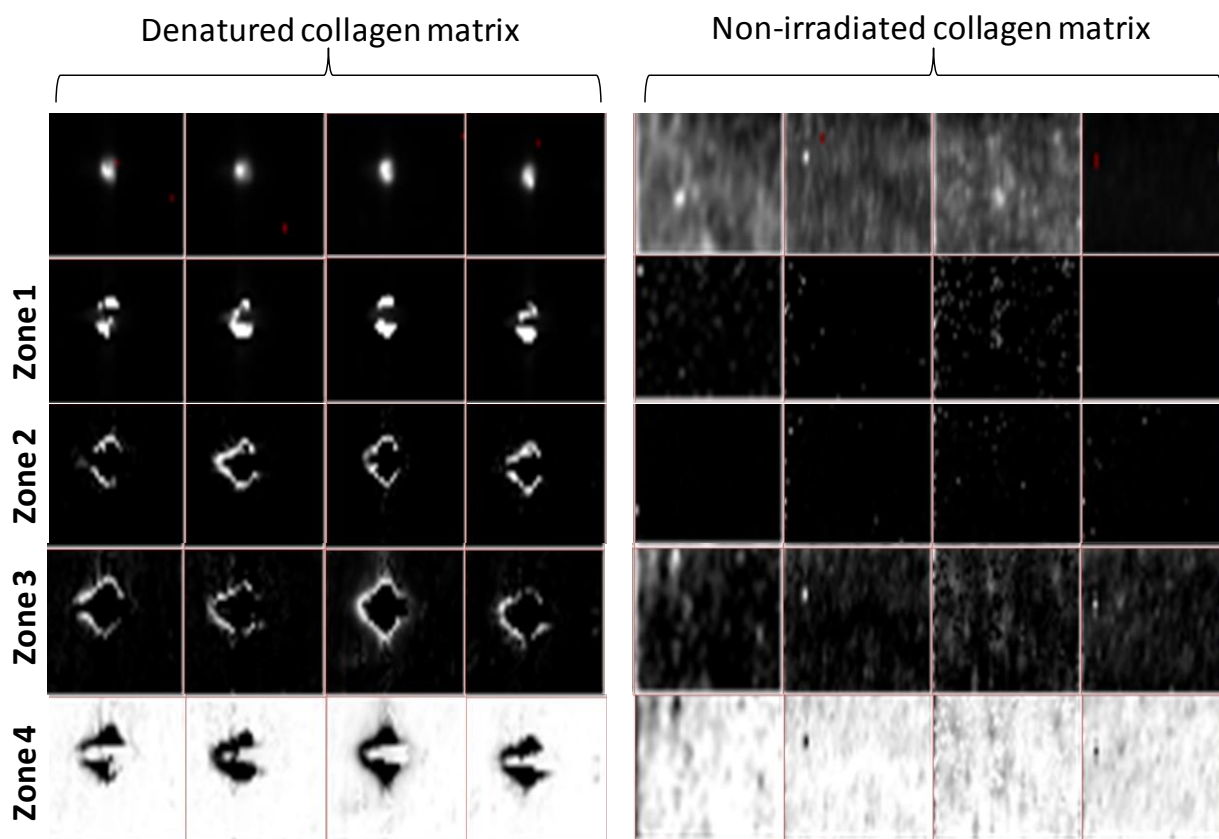# [T] Electronic Supplementary Information (ESI)

Raman cluster analysis - showing groups of dissimilar clusters identified. The cluster 1 represents depolymerised collagen (zone 1), cluster 2 attributes to the enhanced cross-linking zone (zone 2), cluster 3 corresponds to the reduced cross-linking zone (zone 3) and cluster 4 showing healthy collagen (zone 4)