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Electrospinning of in situ crosslinked recombinant human collagen peptide/chitosan nanofibers for wounds healing

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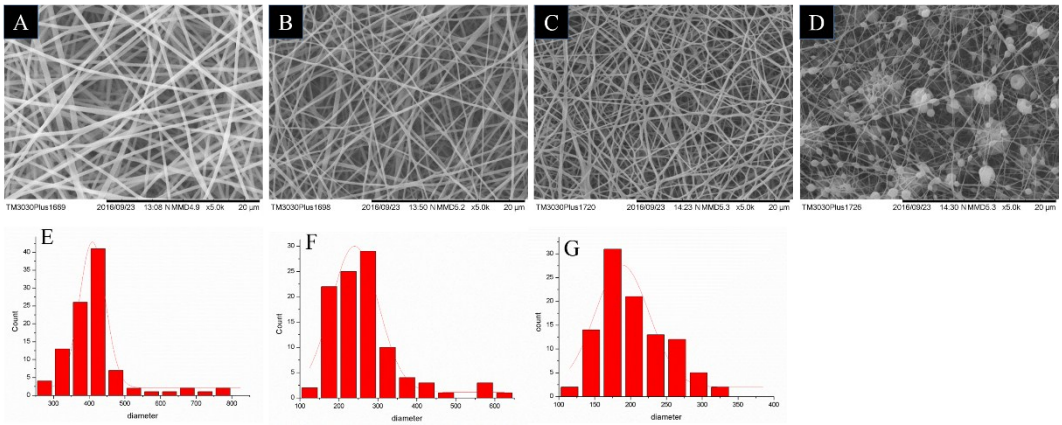
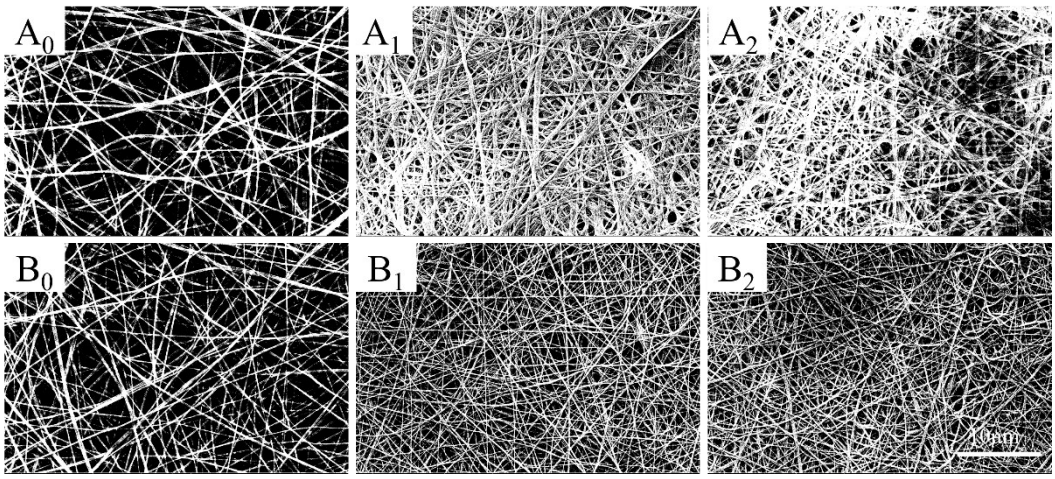
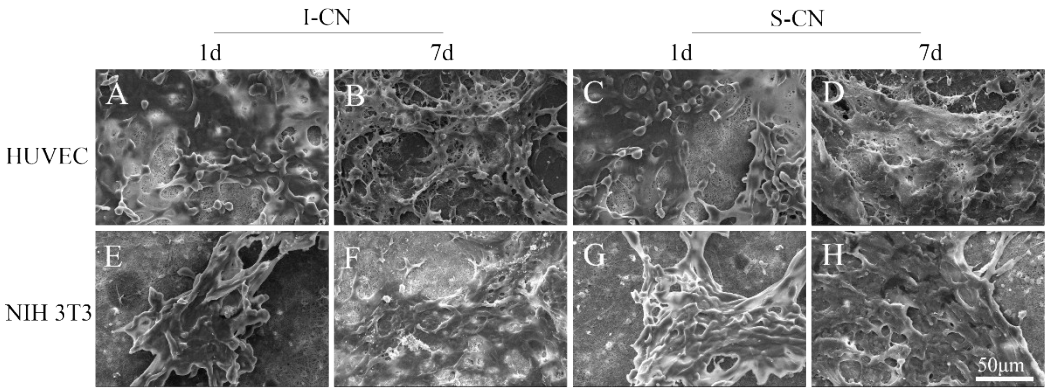
Supporting figures



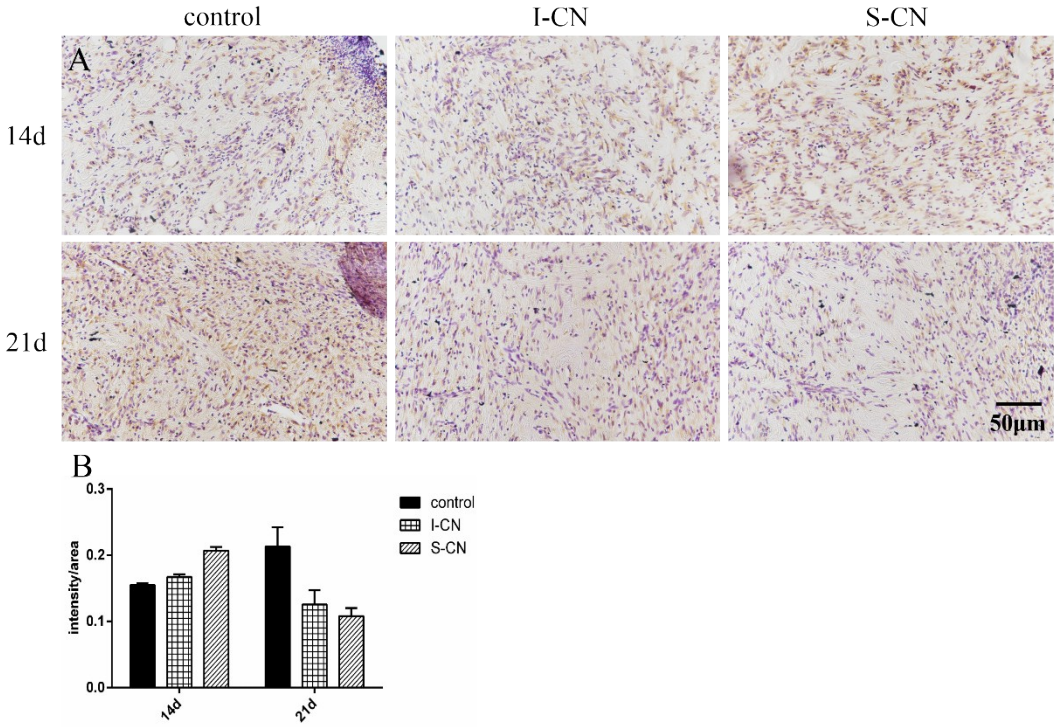
Supporting Figure 1 SEM pictures and dimeters distribution of nanofibers prepared by different solution ratio: (A、E) RHC:chitosan:PEO 1:1:1; (B、F) RHC:chitosan:PEO 2:2:1; (C、G) RHC:chitosan:PEO 4:4:1; (D) RHC:chitosan:PEO 8:8:1;



Supporting Figure 2 Images of nanofibers after threshold segmentation. A_0) un-crosslinked fibers. A_1-A_2) I-CN immersed in PBS for1h and 24h. B_1-B_3) S-CN immersed in PBS for 0h, 1h and 24h.



Supporting Figure 3 SEM images of HUVEC and NIH 3T3 seeded on various nanofibrous on day 1 and 7.



Supporting Figure 4. (A) Representative images of wound center sections stained immunohistochemically for TGF-β on day 14 and 21. (B) Quantitative analysis of relative density of TGF-β.