

RESEARCH ARTICLE

3D-bioprinted cell-laden blood vessel with dual drug delivery nanoparticles for advancing vascular regeneration

Supplementary File

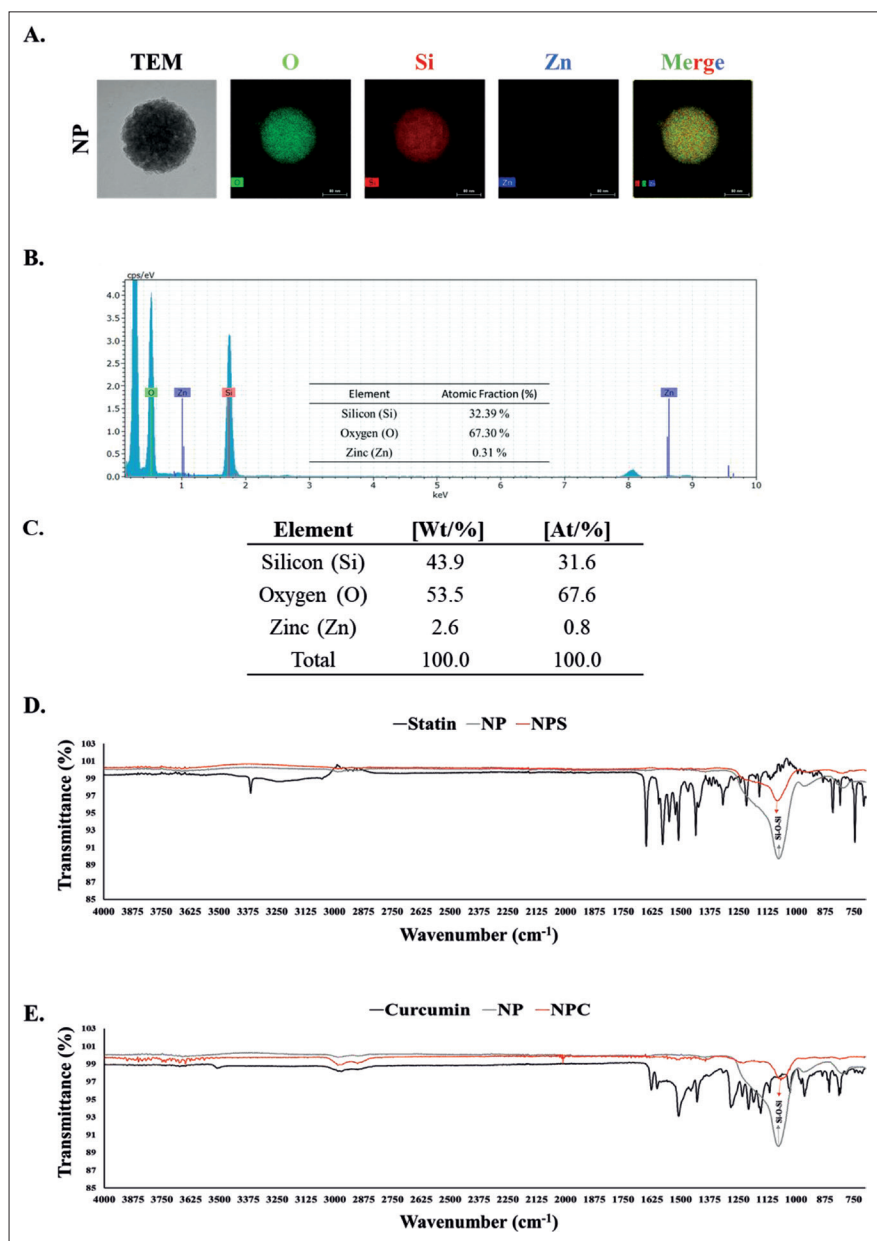


Figure S1. Additional characterization of blank nanoparticles (NP), statin-loaded nanoparticles (NPS), and curcumin-loaded nanoparticles (NPC). (A–C) Composition (A) and proportion (B, C) of nanoparticles analyzed by transmission electron microscope-energy dispersive spectrometer (TEM-EDS). (D, E) Fourier transform infrared (FTIR) spectra of NP, NPS, statin (D), NPC, and curcumin (E).

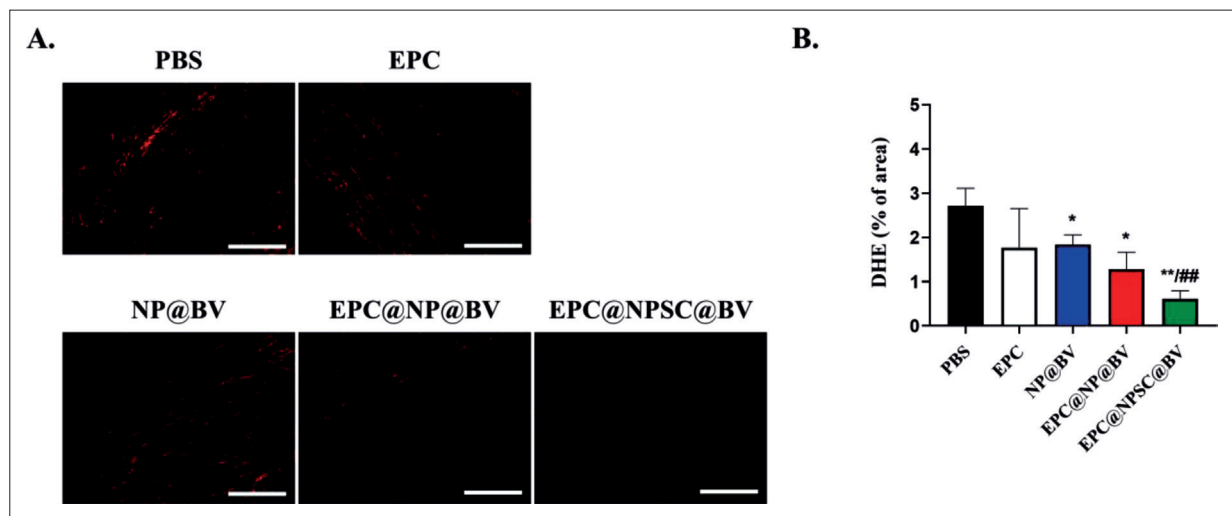


Figure S2. Confirmation of antioxidant effect of ABVs transplanted in murine model of hindlimb ischemia. (A) Representative dihydroethidium (DHE) staining images of different groups: PBS, EPC, NP@BV, EPC@NP@BV, and EPC@NPSC@BV ($N = 3$). (B) Percentage of DHE-positive area. Values are expressed as mean \pm standard deviation. * $p < 0.05$, ** $p < 0.01$ versus PBS; ** $p < 0.01$ versus NP@BV.