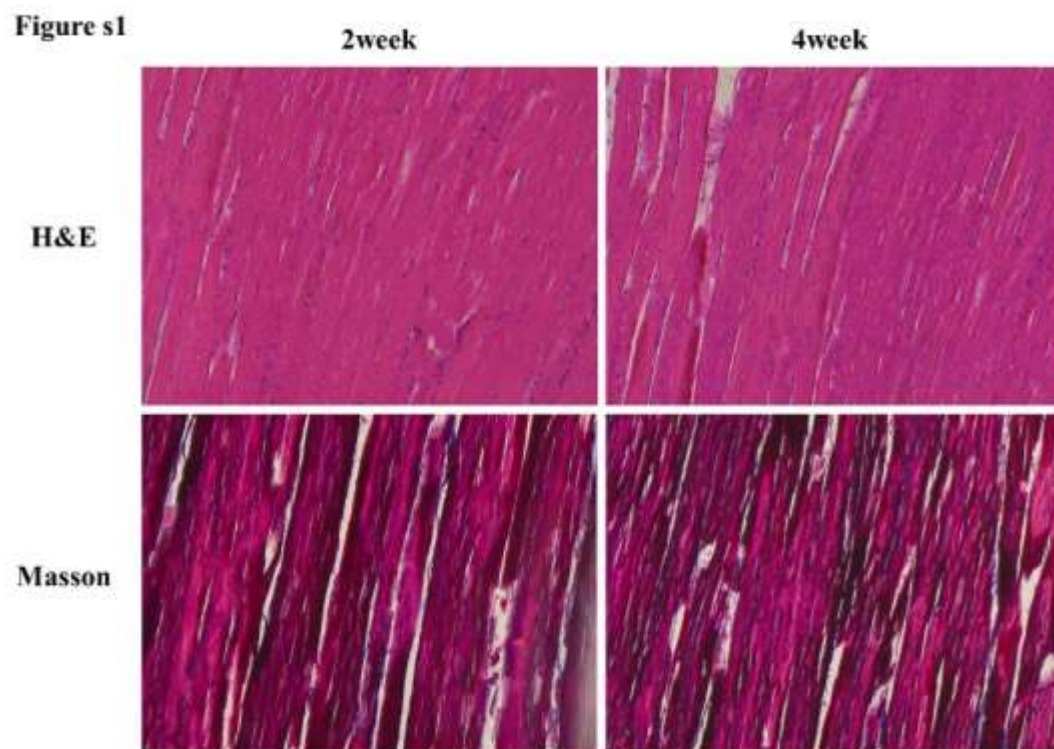
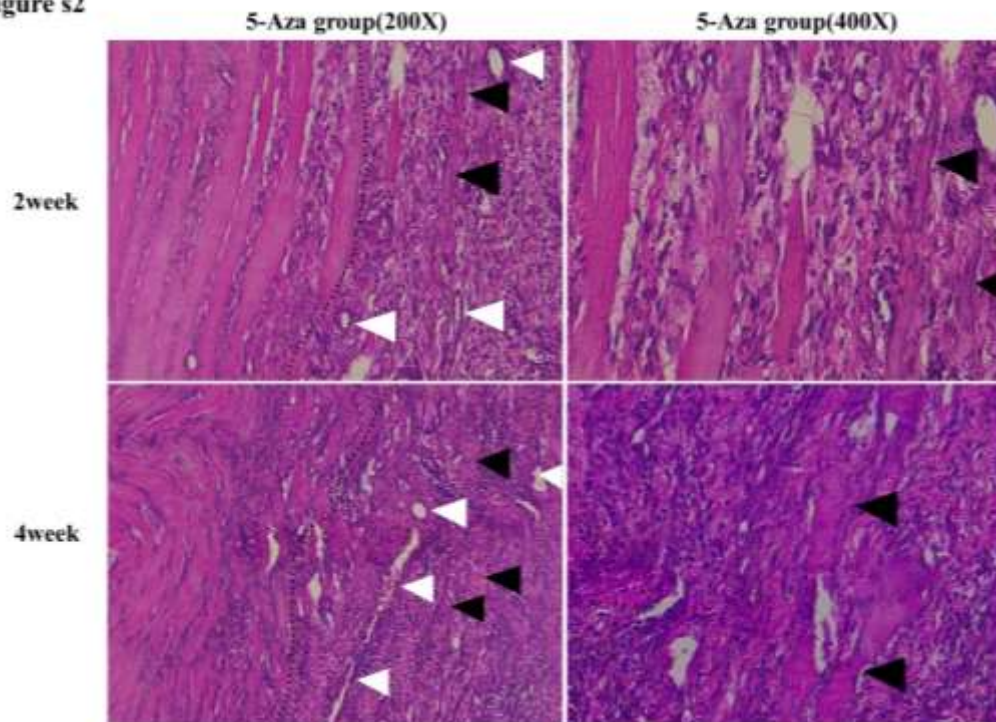


Supplementary material



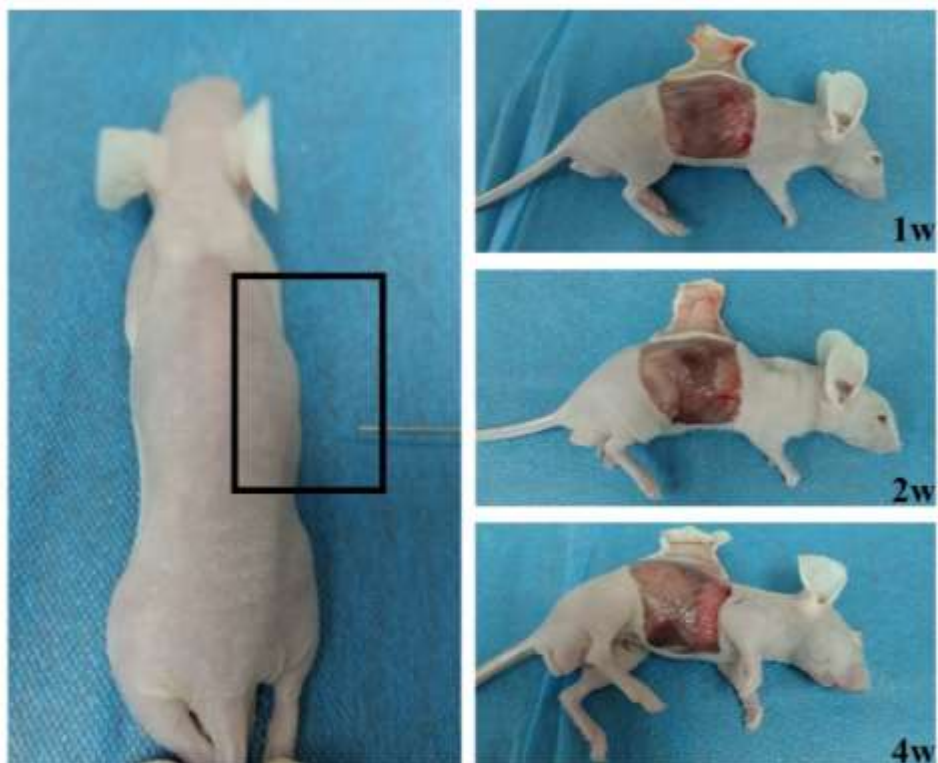
H&E and Masson staining of normal skeletal muscle tissue of 6 to 8-week-old SD rat. 200X.

Figure s2



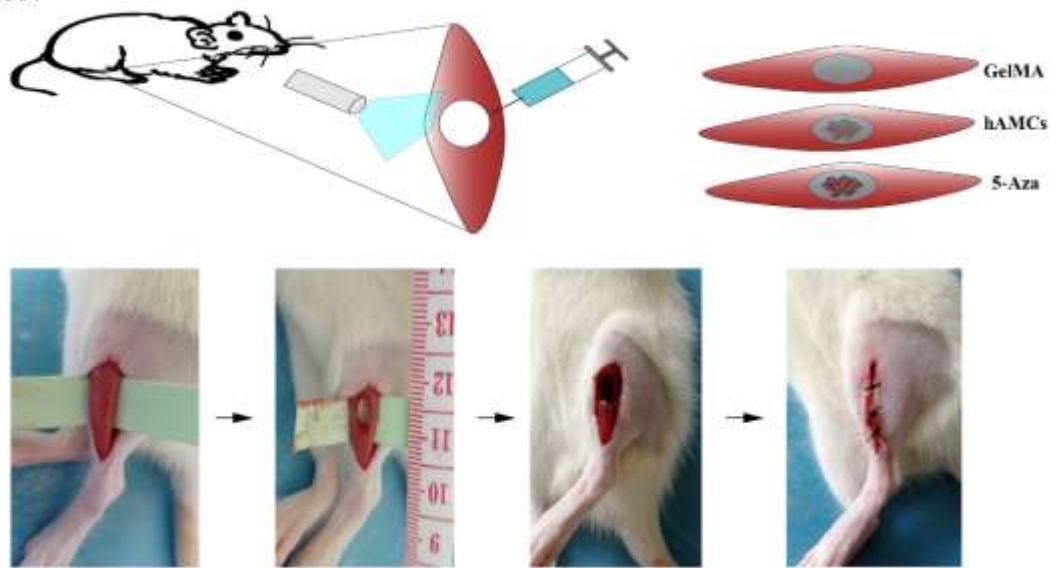
H&E staining of 2 and 4 weeks after implantation of GelMA+5-Aza-induced hAMCs (5-Aza group). The dotted line is the boundary between normal muscle tissue and defect in 200X images. White arrow shows the neovascularization, black arrow shows fused hAMCs. The multi-nucleation fiber tissue were indicated by black arrow in 400X images.

Figure s3



Low immunogenicity and low carcinogenicity of hAMCs. Following injection with hAMCs were injected under the skin of 6 to 8-week-old male nude mice.

Figure s4



Manufacturing schematic of VML model and actual operation process.