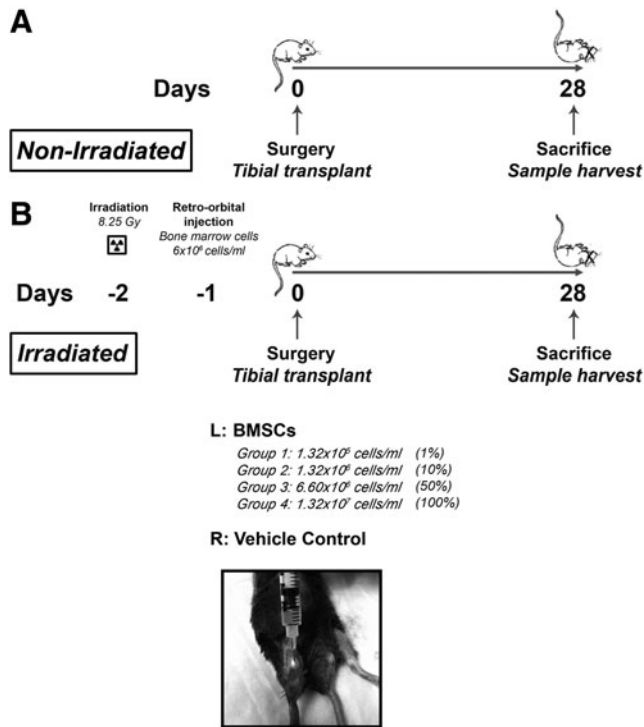


Supplementary Data



SUPPLEMENTARY FIG. S1. Intramedullary tibial transplantation model. **(A, B)** Timeline and experimental design. Total body irradiation (TBI) at 8.25 Gy (–2 days) followed by a rescuing retro-orbital injection of whole BM cells at 6.0×10^5 cells/mL (–1 days) and intramedullary tibial transplantation. Treatment groups: left tibiae, bone marrow-derived mesenchymal stem/stromal cells (BMSCs) at 1.32×10^5 (1%), 1.32×10^6 (10%), 6.60×10^6 (50%), or 1.32×10^7 cells/mL (100%); right tibiae, vehicle control. The clinical picture shows the right knee (top view) of an isoflurane-anesthetized mouse, flexed to 90° , with a 26-gauge needle inserted into the joint surface of the tibia through the patellar tendon reaching into the medullary space during injection ($n=7$ animals per group).