Supplementary Fig. 1. Impedance and temperature profiles for denervation for 3 minutes while maintaining the temperature at 90°C, and histologic results. (A) Impedance and temperature profile. (B) Control sample stained with hematoxylin and eosin (H&E). (C) Denervated sample stained with H&E. (D–F) Denervated sample immuno histochemically stained using anti-tyrosine hydroxylase antibody. (G) Denervated sample stained with Masson's trichrome. Red arrow, non-ablated nerve fibers within the connective tissue. (B–E) ×1, (F) ×10, (G) ×4.
Supplementary Fig. 2. Impedance and temperature profiles for denervation for 7 minutes while maintaining the temperature at 90°C, and histologic results. (A) Impedance and temperature profiles. (B) Sample stained with hematoxylin and eosin (H&E). (C) Sample immunohistochemically stained using anti-growth-associated protein (anti-GAP40) antibody. (D) Magnified image of the sample immunohistochemically stained with anti-GAP40 antibody. (E) Sample immunohistochemically stained with anti-S100 antibody. Red arrow, partially denervated nerve fiber.
Supplementary Fig. 3. Histologic results after denervation for 90 seconds while maintaining the temperature at 80°C (A and B) and denervation for 90 seconds while maintaining the temperature at 90°C (C and D). (A) Sample immunohistochemically stained with anti-S100 antibody. (B) Magnified image of the sample immunohistochemically stained with anti-S100 antibody. (C) Sample immunohistochemically stained with anti-S100 antibody. (D) Magnified image of the sample immunohistochemical stained with anti-S100 antibodies. Red arrowheads, partially denervated nerve fiber.