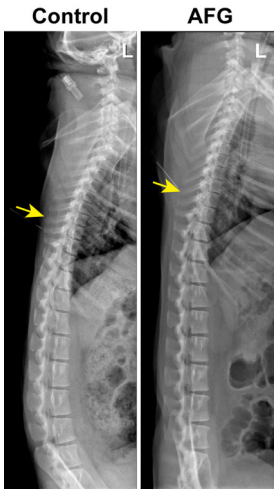
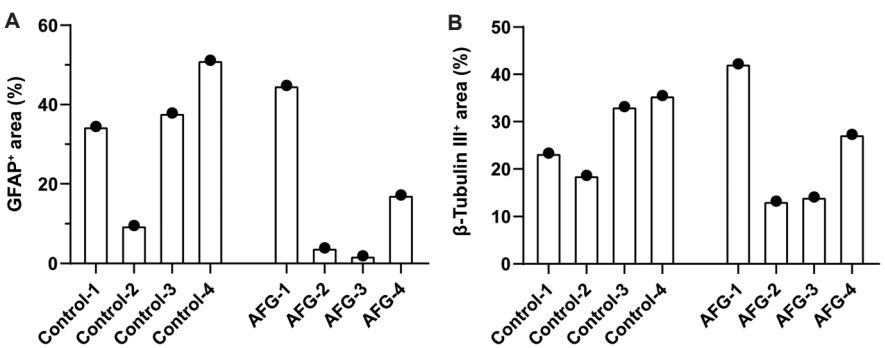
Preclinical evaluation of aligned fibrin nanofibre hydrogels in a non-human primate model of spinal cord injury: A pilot study

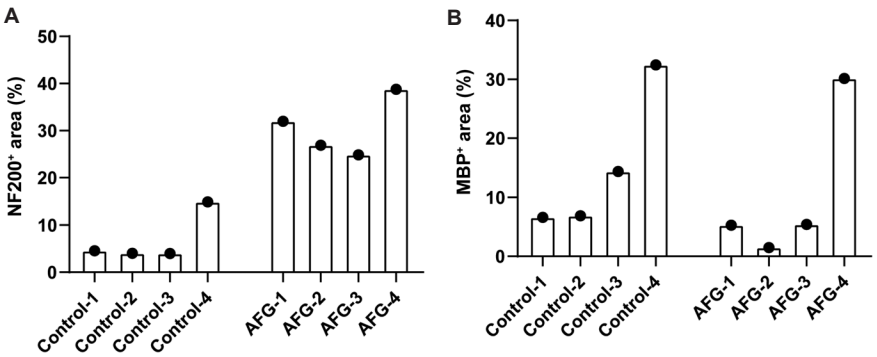
Additional files



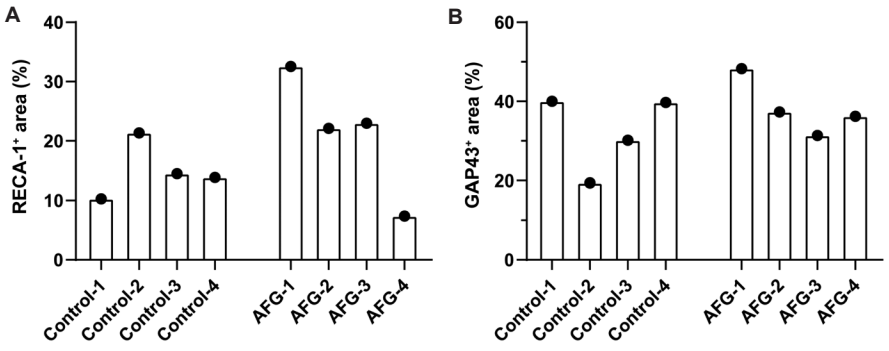
Additional Figure 1. The pre-operative location of T9 spinous under X-ray. Yellow arrows indicate the T9 spinous. Abbreviations: AFG: Aligned fibrin nanofibre hydrogel scaffold.



Additional Figure 2. The percentages of GFAP- (A) and β-tubulin III-positive (B) areas in Figure 4. 1–4 were labelled in Figure 4. Abbreviation: GFAP: Glial fibrillary acidic protein.



Additional Figure 3. The percentages of NF200- (A) and MBP-positive (B) areas in Figure 5. 1–4 were labelled in Figure 5. Abbreviations: MBP: Myelin basic protein; NF200: Neurofilament 200.



Additional Figure 4. The percentages of RECA-1- (A) and GAP43-positive (B) areas in Figure 6. 1–4 were labelled in Figure 6. Abbreviations: VGAP43: Growth-associated protein 43; RECA-1: Endothelial cell antigen 1.

Additional Table 1. Information of primary and secondary antibodies

Antibody	Dilution	Vendor	Catalog number	RRID
Mouse anti-GFAP	1:200	Santa Cruz	sc-33673	AB_627673
Rabbit anti-β-tubulin III	1:1000	Abcam	ab18207	AB_444319
Mouse anti-NF200	1:400	Sigma	N0142	AB_477257
Rabbit anti-MBP	1:500	Abcam	ab218011	AB_2895537
Mouse anti-RECA-1	1:50	Santa Cruz	sc-52665	AB_629430
Rabbit anti-GAP43	1:500	Abcam	ab16053	AB_443303
Goat anti-Rabbit IgG (H+L) Secondary Antibody, Alexa fluor 594	1:1000	Invitrogen	A-11012	AB_2534079
Goat anti-Mouse IgG (H+L) Secondary Antibody, Alexa fluor 647	1:1000	Invitrogen	A21235	AB_2535804

Abbreviations: GAP43: Growth-associated protein 43; GFAP: Glial fibrillary acidic protein; MBP: Myelin basic protein; NF200: Neurofilament 200; RECA-1: Endothelial cell antigen 1.

Additional Video 1: The animal surgical procedure.
Additional Video 2: The motor function recovery of monkey in control group during the 24-week observation period.
Additional Video 3: The motor function recovery of monkey in AFG group during the 24-week observation period.