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Sensory and motor evaluation of dogs with acute disc disease and spinal cord injury that undergo surgical decompression and canine adipose tissue-derived stem cell transplantation

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We use this protocol and it's working

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Abstract

Sensory and motor evaluation of dogs with acute disc disease and spinal cord injury that undergo surgical decompression and canine adipose tissue-derived stem celltransplantation

The adipose tissue was washed with phosphate buffered saline solution (PBS) (Gibco/Thermo Fisher Scientific, Grand Island, NY, USA) and tissue was digested using 1 mg/mL collagenase type I (Gibco/Thermo Fisher Scientific) for 30 minutes at 37°C, followed by 100 µm filter filtration (BD Biosciences Discovery Labware, Bedford, MA, USA). The cell suspension was centrifuged at 800 *g*for 10 minutes and the contaminating erythrocytes were removed using a lysis buffer. Cells were washed, counted and plated at 1×10^5cells/cm^2in 75 cm^2culture flasks in Dulbecco's Modified Eagle Medium: Nutrient Mixture F-12 (DMEM-F12) (Gibco/Thermo Fisher Scientific) supplemented with 10% fetal bovine serum (FBS) (Sigma-Aldrich, Saint Louis, MO, USA) and 1% of antibiotics (Sigma-Aldrich).

Troubleshooting