

# Local Administration of Low-Dose Nerve Growth Factor Antibody Reduced Pain in a Rat Osteoarthritis Model

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## Supplementary data

**Table S1.** Tukey's multiple comparison of weight bearing

	Groups	significant ?	Adjusted P Value
week 0	All groups	No	
week 1	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
week 2	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
week 3	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 10 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 1 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
week 4	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
week 4	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001

	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 10 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 1 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
week 5	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 10 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 1 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001	
week 6	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 10 µg	Yes	<0.0001
	MIA + 100 µg vs. MIA + 1 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001	

**Table S2.** Tukey's multiple comparison of von frey filament test.

	Groups	significant ?	Adjusted P Value
week 0	MIA + Saline vs. MIA + 100 mg	Yes	0.0042
	MIA + Saline vs. MIA + 10 mg	Yes	0.0042
	MIA + Saline vs. MIA + 1 mg	Yes	0.0332
	MIA + Saline vs. Sham + 100 mg	Yes	0.0042
week 1	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
week 2	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001

	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. Sham + Saline	Yes	<0.0001
week 3	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
week 4	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
week 5	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001
week 6	MIA + Saline vs. Sham + 100 µg	Yes	<0.0001
	MIA + 100 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 100 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 10 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 10 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + 1 µg vs. Sham + Saline	Yes	<0.0001
	MIA + 1 µg vs. Sham + 100 µg	Yes	<0.0001
	MIA + Saline vs. MIA + 100 µg	Yes	<0.0001