

The numeric results of muscle weight measurement

Muscle Weight (mg)		Median	IQR	Range
Control	Biceps femoris	237	180-250	160-260
	Gastrocnemius	197	176-216	160-233
CCI	Biceps femoris	110	101-151	80-189
	Gastrocnemius	100	79-131	64-160
MF depletion	Biceps femoris	216	177-223	161-230
	Gastrocnemius	236	197-260	189-264
Dexamethasone	Biceps femoris	278	238-297	213-331
	Gastrocnemius	245	232-285	192-291
Pregabalin	Biceps femoris	193	162-202	108-212
	Gastrocnemius	196	126-216	88-244
Loxoprofen	Biceps femoris	190	156-228	125-261
	Gastrocnemius	173	109-233	93-267

IQR, inter quartile range; CCI, chronic constriction injury; MF, macrophage.

The numeric results of total bone density measurement (control, CCI, macrophage depletion)

Total bone density (mg/cm ³)			0w	1w	2w	3w	4w	5w
control	femur	median	489	518	489	475	507	463
		IQR	448-531	438-643	445-629	447-520	465-567	438-541
		range	325-765	350-756	312-667	431-611	350-612	399-672
	tibia	median	635	646	617	661	663	632
		IQR	567-720	589-721	547-713	535-727	529-718	516-702
		range	304-889	338-783	384-881	298-892	308-879	388-892
CCI	femur	median	489	481	391	388	410	393
		IQR	430-593	429-561	353-474	372-421	389-457	383-434
		range	350-644	370-637	264-503	355-473	358-479	359-479
	tibia	median	605	614	542	555	550	528
		IQR	590-670	579-678	530-559	519-572	541-576	520-545
		range	320-783	349-798	254-796	254-753	269-732	266-737
MF depletion	femur	median	499	497	482	-	-	-
		IQR	424-517	458-514	456-511	-	-	-
		range	309-647	287-632	355-644	-	-	-
	tibia	median	617	626	595	-	-	-
		IQR	597-639	613-655	556-632	-	-	-
		range	270-871	318-865	329-797	-	-	-

IQR: inter quartile range, CCI: chronic constriction injury, MF: macrophage

The numeric results of total bone density measurement (drug administration groups)

Total bone density (mg/cm ³)			0w	1w	2w	3w	4w	5w
Dexamethasone	femur	median	479	472	469	461	-	-
		IQR	458-504	452-519	456-480	417-478	-	-
		range	348-642	335-685	345-619	321-619	-	-
	tibia	median	602	618	612	602	-	-
		IQR	588-680	613-672	599-674	580-677	-	-
		range	309-832	293-822	275-825	232-827	-	-
Pregabalin	femur	median	500	478	456	463	-	-
		IQR	455-522	456-492	440-477	437-473	-	-
		range	332-676	313-662	317-628	332-476	-	-
	tibia	median	597	608	611	606	-	-
		IQR	579-601	541-618	587-626	590-631	-	-
		range	333-785	285-822	270-807	266-845	-	-
Loxoprofen	femur	median	488	453	437	428	-	-
		IQR	448-531	399-511	408-474	405-469	-	-
		range	329-670	301-666	282-611	295-612	-	-
	tibia	median	592	612	597	581	-	-
		IQR	556-613	572-627	579-628	511-625	-	-
		range	322-782	294-832	249-853	255-829	-	-

IQR: inter quartile range

The numeric results of immunohistochemistry of femur

Osteoclasts (number/mm ²)	median	IQR	range
control	34	15-44	4-67
CCI	65	37-82	33-90
MF depletion	20	11-52	6-82
Dexamethasone	13	11-39	9-59
Pregabalin	23	20-34	19-41
Loxoprofen	21	19-38	18-50
Neurotrophin	64	53-75	43-91
Amitriptyline	64	51-66	33-79

IQR: inter quartile range, CCI: chronic constriction injury, MF: macrophage

The numeric results of flow cytometry

M1 macrophage ($\times 10^5$ number/muscle)		median	IQR	range
control	biceps femoris	3.1	2.0-4.0	1.7-4.9
	gastrocnemius	0.7	3.0-1.1	0.2-1.5
CCI	biceps femoris	8.9	7.6-11.6	5.8-13.9
	gastrocnemius	1.1	1.1-2.4	0.7-3.5
MF depletion	biceps femoris	0.8	0.5-1.4	0.5-1.8
	gastrocnemius	0.4	0.1-0.5	0.1-0.5
Dexamethasone	biceps femoris	2.9	2.2-4.4	1.8-4.7
	gastrocnemius	0.7	0.4-1.0	0.3-1.5
Pregabalin	biceps femoris	3.7	3.1-7.2	2.8-9.5
	gastrocnemius	1.4	1.0-1.8	0.6-3.2
Loxoprofen	biceps femoris	3.9	3.5-6.5	2.2-9.9
	gastrocnemius	1.2	1.0-1.6	1.0-2.1
Neurotrophin	biceps femoris	7.5	6.7-9.1	4.5-11.9
	gastrocnemius	2.4	1.1-2.7	1.1-4.2
Amitriptyline	biceps femoris	7.9	7.0-12.2	6.8-17.6
	gastrocnemius	2.8	2.3-3.1	1.8-3.6

IQR: inter quartile range, CCI: chronic constriction injury, MF: macrophage

The numeric results of reverse transcription polymerase chain reaction

mRNA relative expression			TNF α	IL-1 β	CCL2	CCR2
CCI	Biceps femoris	mean	6.1	3.8	2.6	3.3
		SD	0.5	0.5	0.3	0.4
		range	5.4-6.9	3.0-4.3	2.3-3.2	2.6-3.8
	gastrocnemius	mean	2.5	2.9	2.4	2.3
		SD	0.3	0.8	0.3	0.3
		range	2.1-3.1	2.1-3.7	2.1-3.0	2.0-2.8

CCI: chronic constriction injury, TNF α : tumor necrosis factor- α ,

IL-1 β : interleukin-1 β , CCL2: chemokine (C-C motif) ligand2

CCR2: C-C chemokine receptor type2