

## Post-injection sciatic neuropathy: Effects of intramuscular and intraneural administration of thiocolchicoside in mice

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Received 06 January 2025; revised 18 April 2025

Table 1 — Rotarod  
30 min

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	21,63	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	120,1	Yes	****	<0,0001
Control vs. SN+Thio-IM	20,75	Yes	****	<0,0001
Control vs. SN+Thio-IN	121,0	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	98,50	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,8750	No	ns	0,9511
SN+Vehicle-IM vs. SN+Thio-IN	99,38	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-99,38	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,8750	No	ns	0,9511
SN+Thio-IM vs. SN+Thio-IN	100,3	Yes	****	<0,0001

1 h

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	18,00	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	119,8	Yes	****	<0,0001
Control vs. SN+Thio-IM	20,13	Yes	****	<0,0001
Control vs. SN+Thio-IN	119,4	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	101,8	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	2,125	No	ns	0,6993
SN+Vehicle-IM vs. SN+Thio-IN	101,4	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-99,63	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,3750	No	ns	0,9994
SN+Thio-IM vs. SN+Thio-IN	99,25	Yes	****	<0,0001

3h

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	17,00	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	119,3	Yes	****	<0,0001
Control vs. SN+Thio-IM	17,63	Yes	****	<0,0001
Control vs. SN+Thio-IN	119,1	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	102,3	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	0,6250	No	ns	0,9882
SN+Vehicle-IM vs. SN+Thio-IN	102,1	Yes	****	<0,0001

SN+Vehicle-IN vs. SN+Thio-IM	-101,6	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,1250	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	101,5	Yes	****	<0,0001

## 6 h

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	10,38	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	120,6	Yes	****	<0,0001
Control vs. SN+Thio-IM	17,00	Yes	****	<0,0001
Control vs. SN+Thio-IN	120,1	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	110,3	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	6,625	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IN	109,8	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-103,6	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,5000	No	ns	0,9909
SN+Thio-IM vs. SN+Thio-IN	103,1	Yes	****	<0,0001

## 24 h

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	1,250	No	ns	0,8376
Control vs. SN+Vehicle-IN	118,0	Yes	****	<0,0001
Control vs. SN+Thio-IM	5,500	Yes	***	0,0006
Control vs. SN+Thio-IN	119,9	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	116,8	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	4,250	Yes	*	0,0101
SN+Vehicle-IM vs. SN+Thio-IN	118,6	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-112,5	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	1,875	No	ns	0,5370
SN+Thio-IM vs. SN+Thio-IN	114,4	Yes	****	<0,0001

## 48 h

Tukey's multiple comparisons test	Mean Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,2500	No	ns	0,9991
Control vs. SN+Vehicle-IN	118,9	Yes	****	<0,0001
Control vs. SN+Thio-IM	1,250	No	ns	0,7261
Control vs. SN+Thio-IN	120,3	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	118,6	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	1,000	No	ns	0,8557
SN+Vehicle-IM vs. SN+Thio-IN	120,0	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-117,6	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	1,375	No	ns	0,6513
SN+Thio-IM vs. SN+Thio-IN	119,0	Yes	****	<0,0001

Table 2 — Tail flick

Tukey's multiple comparisons test	Pre-op		Significant?	Summary	Adjusted P Value
	Mean Diff,	95,00% CI of diff,			
Control vs. SN+Vehicle-IM	-0,3250	-0,8612 to 0,2112	No	ns	0,4221
Control vs. SN+Vehicle-IN	-0,2125	-0,7487 to 0,3237	No	ns	0,7846
Control vs. SN+Thio-IM	-0,2000	-0,7362 to 0,3362	No	ns	0,8192
Control vs. SN+Thio-IN	-0,4250	-0,9612 to 0,1112	No	ns	0,1759

SN+Vehicle-IM vs. SN+Vehicle-IN	0,1125	-0,4237 to 0,6487	No	ns	0,9736
SN+Vehicle-IM vs. SN+Thio-IM	0,1250	-0,4112 to 0,6612	No	ns	0,9615
SN+Vehicle-IM vs. SN+Thio-IN	-0,1000	-0,6362 to 0,4362	No	ns	0,9829
SN+Vehicle-IN vs. SN+Thio-IM	0,01250	-0,5237 to 0,5487	No	ns	>0,9999
SN+Vehicle-IN vs. SN+Thio-IN	-0,2125	-0,7487 to 0,3237	No	ns	0,7846
SN+Thio-IM vs. SN+Thio-IN	-0,2250	-0,7612 to 0,3112	No	ns	0,7476

1 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	1,938	1,444 to 2,431	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	5,575	5,081 to 6,069	Yes	****	<0,0001
Control vs. SN+Thio-IM	2,725	2,231 to 3,219	Yes	****	<0,0001
Control vs. SN+Thio-IN	5,650	5,156 to 6,144	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	3,638	3,144 to 4,131	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	0,7875	0,2937 to 1,281	Yes	***	0,0005
SN+Vehicle-IM vs. SN+Thio-IN	3,713	3,219 to 4,206	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-2,850	-3,344 to -2,356	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,07500	-0,4188 to 0,5688	No	ns	0,9921
SN+Thio-IM vs. SN+Thio-IN	2,925	2,431 to 3,419	Yes	****	<0,0001

3 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	2,100	1,662 to 2,538	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	5,738	5,299 to 6,176	Yes	****	<0,0001
Control vs. SN+Thio-IM	1,613	1,174 to 2,051	Yes	****	<0,0001
Control vs. SN+Thio-IN	5,738	5,299 to 6,176	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	3,638	3,199 to 4,076	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,4875	-0,9257 to -0,04928	Yes	*	0,0230
SN+Vehicle-IM vs. SN+Thio-IN	3,638	3,199 to 4,076	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-4,125	-4,563 to -3,687	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,000	-0,4382 to 0,4382	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	4,125	3,687 to 4,563	Yes	****	<0,0001

6 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	1,863	1,414 to 2,311	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	5,813	5,364 to 6,261	Yes	****	<0,0001
Control vs. SN+Thio-IM	1,213	0,7645 to 1,661	Yes	****	<0,0001
Control vs. SN+Thio-IN	5,738	5,289 to 6,186	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	3,950	3,502 to 4,398	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,6500	-1,098 to -0,2020	Yes	**	0,0017
SN+Vehicle-IM vs. SN+Thio-IN	3,875	3,427 to 4,323	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-4,600	-5,048 to -4,152	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,07500	-0,5230 to 0,3730	No	ns	0,9886
SN+Thio-IM vs. SN+Thio-IN	4,525	4,077 to 4,973	Yes	****	<0,0001

12 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,7500	0,3298 to 1,170	Yes	***	0,0001
Control vs. SN+Vehicle-IN	5,875	5,455 to 6,295	Yes	****	<0,0001
Control vs. SN+Thio-IM	0,7250	0,3048 to 1,145	Yes	***	0,0002
Control vs. SN+Thio-IN	5,750	5,330 to 6,170	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	5,125	4,705 to 5,545	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,02500	-0,4452 to 0,3952	No	ns	0,9998
SN+Vehicle-IM vs. SN+Thio-IN	5,000	4,580 to 5,420	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-5,150	-5,570 to -4,730	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,1250	-0,5452 to 0,2952	No	ns	0,9110
SN+Thio-IM vs. SN+Thio-IN	5,025	4,605 to 5,445	Yes	****	<0,0001

24 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,3000	-0,2298 to 0,8298	No	ns	0,4902
Control vs. SN+Vehicle-IN	5,875	5,345 to 6,405	Yes	****	<0,0001
Control vs. SN+Thio-IM	0,4000	-0,1298 to 0,9298	No	ns	0,2145
Control vs. SN+Thio-IN	5,850	5,320 to 6,380	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	5,575	5,045 to 6,105	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	0,1000	-0,4298 to 0,6298	No	ns	0,9821
SN+Vehicle-IM vs. SN+Thio-IN	5,550	5,020 to 6,080	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-5,475	-6,005 to -4,945	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,02500	-0,5548 to 0,5048	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	5,450	4,920 to 5,980	Yes	****	<0,0001

48 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,08750	-0,3571 to 0,5321	No	ns	0,9791
Control vs. SN+Vehicle-IN	5,863	5,418 to 6,307	Yes	****	<0,0001
Control vs. SN+Thio-IM	0,06250	-0,3821 to 0,5071	No	ns	0,9941
Control vs. SN+Thio-IN	5,700	5,255 to 6,145	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	5,775	5,330 to 6,220	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,02500	-0,4696 to 0,4196	No	ns	0,9998
SN+Vehicle-IM vs. SN+Thio-IN	5,613	5,168 to 6,057	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-5,800	-6,245 to -5,355	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-0,1625	-0,6071 to 0,2821	No	ns	0,8298
SN+Thio-IM vs. SN+Thio-IN	5,638	5,193 to 6,082	Yes	****	<0,0001

Table 3 — Cold plate

Pre-op					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,000	-0,3845 to 0,3845	No	ns	>0,9999
Control vs. SN+Vehicle-IN	0,05000	-0,3345 to 0,4345	No	ns	0,9956
Control vs. SN+Thio-IM	0,07500	-0,3095 to 0,4595	No	ns	0,9798
Control vs. SN+Thio-IN	0,08750	-0,2970 to 0,4720	No	ns	0,9647
SN+Vehicle-IM vs. SN+Vehicle-IN	0,05000	-0,3345 to 0,4345	No	ns	0,9956
SN+Vehicle-IM vs. SN+Thio-IM	0,07500	-0,3095 to 0,4595	No	ns	0,9798
SN+Vehicle-IM vs. SN+Thio-IN	0,08750	-0,2970 to 0,4720	No	ns	0,9647
SN+Vehicle-IN vs. SN+Thio-IM	0,02500	-0,3595 to 0,4095	No	ns	0,9997
SN+Vehicle-IN vs. SN+Thio-IN	0,03750	-0,3470 to 0,4220	No	ns	0,9986
SN+Thio-IM vs. SN+Thio-IN	0,01250	-0,3720 to 0,3970	No	ns	>0,9999

1 h					
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value	
Control vs. SN+Vehicle-IM	3,100	Yes	***	0,0002	
Control vs. SN+Vehicle-IN	12,70	Yes	***	0,0002	
Control vs. SN+Thio-IM	3,950	Yes	***	0,0002	
Control vs. SN+Thio-IN	12,80	Yes	***	0,0002	
SN+Vehicle-IM vs. SN+Vehicle-IN	9,600	Yes	***	0,0002	
SN+Vehicle-IM vs. SN+Thio-IM	0,850	Yes	***	0,0002	
SN+Vehicle-IM vs. SN+Thio-IN	9,700	Yes	***	0,0002	
SN+Vehicle-IN vs. SN+Thio-IM	-8,750	Yes	***	0,0002	
SN+Vehicle-IN vs. SN+Thio-IN	0,100	No	ns	>0,9999	
SN+Thio-IM vs. SN+Thio-IN	8,850	Yes	***	0,0002	

4 h					
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value	
Control vs. SN+Vehicle-IM	3,350	Yes	***	0,0002	
Control vs. SN+Vehicle-IN	13,05	Yes	***	0,0002	
Control vs. SN+Thio-IM	3,200	Yes	***	0,0002	
Control vs. SN+Thio-IN	12,70	Yes	***	0,0002	

SN+Vehicle-IM vs. SN+Vehicle-IN	9,700	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,150	No	ns	0,5030
SN+Vehicle-IM vs. SN+Thio-IN	9,350	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-9,850	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	-0,350	No	ns	0,0855
SN+Thio-IM vs. SN+Thio-IN	9,500	Yes	***	0,0002

		8 h			
	Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM		2,200	Yes	***	0,0002
Control vs. SN+Vehicle-IN		13,05	Yes	***	0,0002
Control vs. SN+Thio-IM		2,600	Yes	***	0,0002
Control vs. SN+Thio-IN		12,55	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN		10,85	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM		0,400	Yes	**	0,0028
SN+Vehicle-IM vs. SN+Thio-IN		10,35	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM		-10,45	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN		-0,5	Yes	**	0,0096
SN+Thio-IM vs. SN+Thio-IN		9,950	Yes	***	0,0002

		12 h				
	Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM		0,8875	0,4742 to 1,301	Yes	****	<0,0001
Control vs. SN+Vehicle-IN		13,08	12,66 to 13,49	Yes	****	<0,0001
Control vs. SN+Thio-IM		0,1625	-0,2508 to 0,5758	No	ns	0,7894
Control vs. SN+Thio-IN		12,99	12,57 to 13,40	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN		12,19	11,77 to 12,60	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM		-0,7250	-1,138 to -0,3117	Yes	***	0,0001
SN+Vehicle-IM vs. SN+Thio-IN		12,10	11,69 to 12,51	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM		-12,91	-13,33 to -12,50	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN		-0,08750	-0,5008 to 0,3258	No	ns	0,9728
SN+Thio-IM vs. SN+Thio-IN		12,83	12,41 to 13,24	Yes	****	<0,0001

		24 h				
	Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM		0,1000	-0,3700 to 0,5700	No	ns	0,9723
Control vs. SN+Vehicle-IN		13,01	12,54 to 13,48	Yes	****	<0,0001
Control vs. SN+Thio-IM		-0,01250	-0,4825 to 0,4575	No	ns	>0,9999
Control vs. SN+Thio-IN		13,03	12,56 to 13,49	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN		12,91	12,44 to 13,38	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM		-0,1125	-0,5825 to 0,3575	No	ns	0,9577
SN+Vehicle-IM vs. SN+Thio-IN		12,93	12,46 to 13,39	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM		-13,03	-13,49 to -12,56	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN		0,01250	-0,4575 to 0,4825	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN		13,04	12,57 to 13,51	Yes	****	<0,0001

		48 h				
	Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM		0,1000	-0,3115 to 0,5115	No	ns	0,9554
Control vs. SN+Vehicle-IN		13,05	12,64 to 13,46	Yes	****	<0,0001
Control vs. SN+Thio-IM		0,01250	-0,3990 to 0,4240	No	ns	>0,9999
Control vs. SN+Thio-IN		13,04	12,63 to 13,45	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN		12,95	12,54 to 13,36	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM		-0,08750	-0,4990 to 0,3240	No	ns	0,9723
SN+Vehicle-IM vs. SN+Thio-IN		12,94	12,53 to 13,35	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM		-13,04	-13,45 to -12,63	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN		-0,01250	-0,4240 to 0,3990	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN		13,03	12,61 to 13,44	Yes	****	<0,0001

Table 4 — Von Frey				
Pre-op				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,00	No	ns	>0,9999
Control vs. SN+Vehicle-IN	0,00	No	ns	>0,9999
Control vs. SN+Thio-IM	1,00	No	ns	>0,9999
Control vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Vehicle-IN	0,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IM	1,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Vehicle-IN vs. SN+Thio-IM	1,00	No	ns	>0,9999
SN+Vehicle-IN vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	-1,00	No	ns	>0,9999
1 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	2,30	No	ns	0,0667
Control vs. SN+Vehicle-IN	3,40	Yes	***	0,0002
Control vs. SN+Thio-IM	2,60	Yes	**	0,0031
Control vs. SN+Thio-IN	3,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	1,10	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,30	No	ns	0,5105
SN+Vehicle-IM vs. SN+Thio-IN	1,10	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-0,80	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	0,80	Yes	***	0,0002
4 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	2,00	No	ns	0,0591
Control vs. SN+Vehicle-IN	3,40	Yes	***	0,0002
Control vs. SN+Thio-IM	2,00	Yes	*	0,0186
Control vs. SN+Thio-IN	3,2	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	1,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IN	1,20	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-1,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	-0,20	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	1,20	Yes	***	0,0002
8 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	2,00	No	ns	0,1537
Control vs. SN+Vehicle-IN	3,40	Yes	***	0,0002
Control vs. SN+Thio-IM	2,00	No	ns	0,6193
Control vs. SN+Thio-IN	3,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	1,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,00	No	ns	0,4499
SN+Vehicle-IM vs. SN+Thio-IN	1,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-1,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	1,40	Yes	***	0,0002
12 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	1,00	No	ns	0,6084
Control vs. SN+Vehicle-IN	2,40	Yes	***	0,0002
Control vs. SN+Thio-IM	1,00	No	ns	>0,9999
Control vs. SN+Thio-IN	2,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	1,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,00	No	ns	>0,9999

SN+Vehicle-IM vs. SN+Thio-IN	1,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	1,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	0,00	No	ns	0,7344
SN+Thio-IM vs. SN+Thio-IN	1,40	Yes	***	0,0002

24 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,00	No	ns	>0,9999
Control vs. SN+Vehicle-IN	2,40	Yes	***	0,0002
Control vs. SN+Thio-IM	-1,00	No	ns	>0,9999
Control vs. SN+Thio-IN	2,20	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	2,40	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	-1,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IN	2,20	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-3,40	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	-0,20	No	ns	0,8912
SN+Thio-IM vs. SN+Thio-IN	3,20	Yes	***	0,0002

48 h				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,00	No	ns	>0,9999
Control vs. SN+Vehicle-IN	3,20	Yes	***	0,0002
Control vs. SN+Thio-IM	0,00	No	ns	>0,9999
Control vs. SN+Thio-IN	3,20	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	3,20	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	0,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IN	3,20	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	-3,20	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Thio-IM vs. SN+Thio-IN	3,20	Yes	***	0,0002

Table 5 — Paw grip endurance

Pre-op				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	0,50	No	ns	0,8168
Control vs. SN+Vehicle-IN	2,00	No	ns	0,6182
Control vs. SN+Thio-IM	1,50	No	ns	0,5841
Control vs. SN+Thio-IN	0,00	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Vehicle-IN	1,50	No	ns	0,4553
SN+Vehicle-IM vs. SN+Thio-IM	1,00	No	ns	0,3737
SN+Vehicle-IM vs. SN+Thio-IN	-0,50	No	ns	0,8241
SN+Vehicle-IN vs. SN+Thio-IM	-0,50	No	ns	0,8469
SN+Vehicle-IN vs. SN+Thio-IN	1,00	No	ns	0,8210
SN+Thio-IM vs. SN+Thio-IN	-1,50	No	ns	0,3758

30 min				
Mann Whitney test	Median Diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	16,00	Yes	***	0,0002
Control vs. SN+Vehicle-IN	38,00	Yes	***	0,0002
Control vs. SN+Thio-IM	14,00	Yes	***	0,0002
Control vs. SN+Thio-IN	39,00	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Vehicle-IN	22,00	Yes	***	0,0002
SN+Vehicle-IM vs. SN+Thio-IM	2,00	No	ns	0,0679
SN+Vehicle-IM vs. SN+Thio-IN	23,00	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IM	24,00	Yes	***	0,0002
SN+Vehicle-IN vs. SN+Thio-IN	1,00	No	ns	0,8210
SN+Thio-IM vs. SN+Thio-IN	25,00	Yes	***	0,0002

1 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	15,25	11,67 to 18,83	Yes	****	<0,0001
Control vs. SN+Vehicle-IN	41,13	37,55 to 44,70	Yes	****	<0,0001
Control vs. SN+Thio-IM	12,25	8,672 to 15,83	Yes	****	<0,0001
Control vs. SN+Thio-IN	41,50	37,92 to 45,08	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	25,88	22,30 to 29,45	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-3,000	-6,578 to 0,5784	No	ns	0,1364
SN+Vehicle-IM vs. SN+Thio-IN	26,25	22,67 to 29,83	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-28,88	-32,45 to -25,30	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,3750	-3,203 to 3,953	No	ns	0,9981
SN+Thio-IM vs. SN+Thio-IN	29,25	25,67 to 32,83	Yes	****	<0,0001
3 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	7,000	2,682 to 11,32	Yes	***	0,0004
Control vs. SN+Vehicle-IN	42,13	37,81 to 46,44	Yes	****	<0,0001
Control vs. SN+Thio-IM	6,500	2,182 to 10,82	Yes	**	0,0011
Control vs. SN+Thio-IN	40,88	36,56 to 45,19	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	35,13	30,81 to 39,44	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,5000	-4,818 to 3,818	No	ns	0,9972
SN+Vehicle-IM vs. SN+Thio-IN	33,88	29,56 to 38,19	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-35,63	-39,94 to -31,31	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	-1,250	-5,568 to 3,068	No	ns	0,9187
SN+Thio-IM vs. SN+Thio-IN	34,38	30,06 to 38,69	Yes	****	<0,0001
6 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	3,875	-0,8625 to 8,612	No	ns	0,1531
Control vs. SN+Vehicle-IN	42,75	38,01 to 47,49	Yes	****	<0,0001
Control vs. SN+Thio-IM	2,625	-2,112 to 7,362	No	ns	0,5116
Control vs. SN+Thio-IN	43,00	38,26 to 47,74	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	38,88	34,14 to 43,61	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-1,250	-5,987 to 3,487	No	ns	0,9406
SN+Vehicle-IM vs. SN+Thio-IN	39,13	34,39 to 43,86	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-40,13	-44,86 to -35,39	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,2500	-4,487 to 4,987	No	ns	0,9999
SN+Thio-IM vs. SN+Thio-IN	40,38	35,64 to 45,11	Yes	****	<0,0001
24 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	-0,1250	-3,409 to 3,159	No	ns	>0,9999
Control vs. SN+Vehicle-IN	41,00	37,72 to 44,28	Yes	****	<0,0001
Control vs. SN+Thio-IM	-0,2500	-3,534 to 3,034	No	ns	0,9995
Control vs. SN+Thio-IN	41,88	38,59 to 45,16	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	41,13	37,84 to 44,41	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	-0,1250	-3,409 to 3,159	No	ns	>0,9999
SN+Vehicle-IM vs. SN+Thio-IN	42,00	38,72 to 45,28	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-41,25	-44,53 to -37,97	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,8750	-2,409 to 4,159	No	ns	0,9386
SN+Thio-IM vs. SN+Thio-IN	42,13	38,84 to 45,41	Yes	****	<0,0001

48 h					
Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Control vs. SN+Vehicle-IM	-0,3750	-3,132 to 2,382	No	ns	0,9948
Control vs. SN+Vehicle-IN	40,63	37,87 to 43,38	Yes	****	<0,0001
Control vs. SN+Thio-IM	0,3750	-2,382 to 3,132	No	ns	0,9948
Control vs. SN+Thio-IN	41,00	38,24 to 43,76	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Vehicle-IN	41,00	38,24 to 43,76	Yes	****	<0,0001
SN+Vehicle-IM vs. SN+Thio-IM	0,7500	-2,007 to 3,507	No	ns	0,9341
SN+Vehicle-IM vs. SN+Thio-IN	41,38	38,62 to 44,13	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IM	-40,25	-43,01 to -37,49	Yes	****	<0,0001
SN+Vehicle-IN vs. SN+Thio-IN	0,3750	-2,382 to 3,132	No	ns	0,9948
SN+Thio-IM vs. SN+Thio-IN	40,63	37,87 to 43,38	Yes	****	<0,0001