

MESENCHYMAL STEM CELL-CONDITIONED MEDIUM REDUCES DISEASE SEVERITY AND IMMUNE RESPONSES IN INFLAMMATORY ARTHRITIS.

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SUPPLEMENTARY DATA

Supplementary tables

	Day	Mean \pm 95% CI
Ctrl	1	0.047 \pm 0.045
	2	0.147 \pm 0.069
	3	0.400 \pm 0.101
	7	0.783 \pm 0.213
	14	0.900 \pm 0.289
CM-treated	1	0.000 \pm 0.000
	2	0.352 \pm 0.115
	3	0.613 \pm 0.134
	7	1.000 \pm 0.135
	14	1.217 \pm 0.234

Table S1: Reduction in knee diameter from maximum for CM-MSC treated and SFM control knee joints (mm).

		NITEGE	DIPEN
	Day	Mean \pm 95% CI	Mean \pm 95% CI
Ctrl	3	12.78 \pm 7.90	19.71 \pm 8.31
	7	4.60 \pm 6.22	9.28 \pm 2.36

	14	3.29 ± 19.56	9.09 ± 9.76
MSC-treated	3	2.41 ± 7.15	7.78 ± 10.22
	7	4.32 ± 9.18	5.45 ± 6.66
	14	0.54 ± 8.19	5.76 ± 14.38
CM-treated	3	0.70 ± 1.52	-0.66 ± 3.26
	7	3.57 ± 4.05	2.50 ± 5.83
	14	10.95 ± 21.72	7.36 ± 16.43

Table S2: Aggrecan breaks due to action of ADAMTS5 (early) and MMPs (late) contributing to cartilage degradation.

	Days post-AIA induction		
	3	7	14
SFM	5.31	12.86	23.56
CM-MS	9.06	13.71	15.26

Table S3: TNFα detection in serum of control (SFM) and CM-MS treated mice.

Condition	Proliferative Index	Proliferative Cycles/day
	Mean ± 95% CI	Mean ± 95% CI
T cell control	80.53 ± 1.65	1.185 ± 0.063
CM-MS	79.67 ± 0.97	1.086 ± 0.109
MS	76.14 ± 1.04	0.965 ± 0.071

Table S4: Proliferative index for proportion of activated T cells proliferating alone, with CM-MS or in co-culture with MSs and complete proliferative 24 hour cycles over 5 days culture.

Condition	Mean \pm 95% CI
T cell alone	393.4 \pm 196.8
CM-MSC	346.1 \pm 321.5
MSC	117.9 \pm 89.7

Table S5: Co-culture medium tested for the presence of IL10 following 5 days culture with either activated T cells alone, in culture with CM-MSC, or co-culture with adhered MSCs.