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TABLE E-1 Inclusion and Exclusion Criteria

Inclusion criteria	Age of 18 to 60 years, inclusive
	Indicated for partial medial meniscectomy
	Normal axial alignment (presentation of standing alignment without gross varus or valgus deviation)
	Stable knee; previous ligament reconstruction acceptable if stable
	Intact articular cartilage in the posterior meniscal weight-bearing zone of the operative joint
	Meniscectomy in which at least 50% of the medial meniscus was excised. Excised portion must include at least half of the circumferential arc of the meniscus (e.g., the posterior half)
	Willingness to follow postoperative rehabilitation
	Willingness to participate in the study-required follow-up of 2 years post meniscectomy
	Ability to understand and willingness to sign the consent form
Exclusion criteria	Confirmed ACL or other support-structure damage during partial medial meniscectomy
	Grade 3 or 4 articular cartilage damage in the medial compartment of the operative joint
	Hyaluronic acid or corticosteroid injections to the knee within the preceding 3 months
	Diffuse synovitis at the time of arthroscopy
	Inflammatory arthritis
	Current use of oral steroid, such as methotrexate therapy
	Pregnancy or lactation
	Alcohol or substance abuse within 6 months of study entry
	Active tobacco product use
	Positive test result for human immunodeficiency virus (HIV)
	Positive test result for hepatitis (history of hepatitis A allowed)
	Indwelling pacemaker
	Cerebral aneurysm clips
	Electrical indwelling device, such as bone stimulator
	Indwelling magnets as tissue expander for future implants
	Ear, eye, or penile implant with avian components
	Known allergies to avian, bovine, or porcine protein
	Any medical condition that, in the opinion of the clinical investigator, rendered the patient's participation in the study unsuitable

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TABLE E-2 Patient Demographic Data and Baseline Characteristics

	Vehicle Control (N = 20)	Group A 50×10^6 hMSCs (N = 20)	Group B 150×10^6 hMSCs (N = 20)	Total (N = 60)
Participants* *(no. [%])*				
Randomized	20 (100)	20 (100)	20 (100)	60 (100)
Treated	19 (95)	18 (90)	18 (90)	55 (92)
Completed	19 (95)	17 (85)	18 (90)	54 (90)
Discontinued	3 (15)†	3 (15)‡	2 (10)§	8 (13)
Age *(yr)*				
Mean ± SD	47.8 ± 8.00	44.6 ± 9.82	45.6 ± 12.42	46.0 ±10.16
Median	49.5	46.5	48.5	48.5
Min, max	24, 60	24, 57	18, 60	18, 60
Sex *(no. [%])*				
Male	13 (65)	11 (55)	14 (70)	38 (63)
Height *(cm)*				
Mean ± SD	176.3 ± 11.89	172.0 ± 9.02	174.2 ± 11.19	174.2 ± 10.7
Median	178.9	171.8	175.6	174.0
Min, max	153.2, 198.1	157.0, 185.4	152.4, 193.0	152.4, 198.1
Weight *(kg)*				
Mean ± SD	84.1 ± 17.29	88.0 ± 21.42	89.0 ± 22.61	87.0 ± 20.33
Median	85.1	90.4	90.1	87.9
Min, max	49.5, 120.3	45.4, 128.0	51.3, 145.7	45.4, 145.7
BMI *(kg/m^2)*				
Mean ± SD	26.89 ± 4.049	29.86 ± 7.943	29.09 ± 5.909	28.61 ± 6.201
Median	26.72	27.53	28.36	27.51
Min, max	19.1, 34.7	18.0, 45.3	21.2, 45.5	18.0, 45.5
Prior ACL reconstruction on study knee *(no. [%])*	0	0	1 (5)	1 (2)
Prior surgery on study knee *(no. [%])*	0	1 (5)	2 (10)	3 (5)
Prior knee surgery on either knee *(no. [%])*	2 (10)	4 (20)	6 (30)	12 (20)

*Treated = patients who were randomized and received the investigational agent (IA). Completed = patients who were randomized, received the IA, and underwent MRI through six months. †Discontinued due to withdrawal of consent; one patient moved. ‡Discontinued due to withdrawal of consent; one patient not treated due to physician decision (postoperative complication). §Discontinued; one patient due to withdrawal of consent, and one due to error.

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TABLE E-3 Absolute Improvement in VAS Scores*

	Vehicle Control	Group A 50 × 10^6 hMSCs	Group B 150 × 10^6 hMSCs
Overall			
No. of patients	19	17	18
6 wk	31.7	38.9	26.5
6 mo	33.6	39.4	35.3
1 yr	40.0	39.1	40.8
2 yr	38.7	48.4	40.0
Osteoarthritis			
No. of patients	7	11	12
6 wk	17.0	35.6	31.6
6 mo	22.3	35.4	39.9
1 yr	26.1	37.3	47.6
2 yr	19.4	46.7	43.5
More severe osteoarthritis			
No. of patients	4	4	5
6 wk	12.5	33.5	43.2
6 mo	13.3	30.5	37.0
1 yr	19.5	25.5	55.7
2 yr	18.3	47.5	52.4

*Values presented as the mean. Knee pain assessed with use of a 100-mm VAS.