

Appendix 1. Research Master Table

Treatment Arm	SFI 1	SFI 2	SFI 3	Right <i>Gastrocnemius</i> Muscle Weight (grams)	Left <i>Gastrocnemius</i> Muscle Weight (grams)	Myelinate d Axon Diameter (μ m)	<i>Gastrocnemius</i> Muscle Weight Ratio	Number of Myelinate d Axons	Preop Rat Weight (grams)	Post-op Rat Weight (grams)
<i>Autograft</i>	- 65.78	-47.88	-39.02	1.52	2.28	5,1	0.67	172	296	410
<i>Autograft</i>	- 87.16	-47.76	-25.72	1.26	1.9	4,9	0.66	160	296	414
<i>Autograft</i>	-76.7	-48.37	-44.07	1.46	2.12	4,9	0.69	164	280	368
<i>Autograft</i>	-65.3	-52.78	-37.33	1.84	2.58	5	0.71	198	286	387
<i>Autograft</i>	- 80.47	-43.93	-46.56	1.08	1.96	5,4	0.55	160	281	358
<i>Autograft</i>	- 84.69	-48.09	-19.91	1.8	2.7	4,7	0.67	195	277	419
<i>Autograft</i>	- 87.23	-58.92	-16.73	1.56	2.7	5	0.58	177	298	379
Umbilical Cord MSC	- 63.49	-68.33	-41.01	0.7	2.3	3,3	0.3	133	305	367
Umbilical Cord MSC	- 81.02	-69.2	-37.23	0.58	1.98	3,5	0.29	140	302	398
Umbilical Cord MSC	- 55.35	-51.72	-45.86	0.68	1.86	4,5	0.37	131	266	398
Umbilical Cord MSC	- 61.06	-63.17	-36.93	0.52	1.85	4,5	0.28	134	267	374
Umbilical Cord MSC	- 47.36	-62.89	-40.37	0.5	1.92	4,2	0.26	132	279	371
Umbilical Cord	- 53.98	-59.96	-40.55	0.38	2.06	4,8	0.18	138	270	375

Treatment Arm	SFI 1	SFI 2	SFI 3	Right <i>Gastrocnemius</i> Muscle Weight (grams)	Left <i>Gastrocnemius</i> Muscle Weight (grams)	Myelinate d Axon Diameter (μ m)	<i>Gastrocnemius</i> Muscle Weight Ratio	Number of Myelinate d Axons	Preop Rat Weight (grams)	Post-op Rat Weight (grams)
MSC										
Secretom	- 51.07	-39.83	-28.31	1.38	1.86	4,6	0.74	177	302	376
Secretom	- 24.76	-40.69	-32.96	1.68	2.36	4,4	0.71	160	296	374
Secretom	- 45.18	-61.27	-38.5	2.12	2.22	5,3	0.95	180	286	373
Secretom	- 75.98	-50.94	-35.45	0.78	1.74	4,4	0.45	158	266	371
Secretom	- 71.49	-37.16	-24.29	0.68	1.46	4,9	0.47	156	284	375
Secretom	-65.1	-64.81	-41.73	1.3	2.14	4,7	0.61	166	300	378
Secretom	- 63.91	-42.59	-32.92	1.62	2.12	4,2	0.76	185	295	386
Conduit	- 81.45	-72.58	-46.5	0.48	2.4	4,4	0.2	113	283	418
Conduit	- 87.61	-71.56	-45.98	0.58	1.9	4,7	0.31	113	286	350
Conduit	- 86.98	-79.54	-56.98	0.4	2.06	2,4	0.19	115	290	385
Conduit	- 84.98	-70.12	-55.23	1.28	2.38	5,6	0.54	167	298	402
Conduit	- 83.08	-77.16	-40.14	0.54	2.74	4,1	0.2	135	278	432
Conduit	- 87.55	-67.22	-41.54	0.88	1.84	4,9	0.48	113	276	361