Dependent Variable	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
symptom	Height of participants	63.487	1	63.487	3.411	.071
	Group	18.219	1	18.219	.979	.328
pain	Height of participants	26.245	1	26.245	.571	.454
	Group	25.207	1	25.207	.548	.463
ALD	Height of participants	.091	1	.091	.001	.976
	Group	79.700	1	79.700	.777	.383
Sport	Height of participants	7.185	1	7.185	.575	.452
	Group	5.876	1	5.876	.471	.496
QLD	Height of participants	18.302	1	18.302	3.114	.084
	Group	2.831	1	2.831	.482	.491
TOTAL	Height of participants	90.282	1	90.282	.160	.691
	Group	498.330	1	498.330	.883	.352

Appendix 1. ANCOVA of KOOS

ANCOVA test to control for height in the KOOS test components in two types of treatment

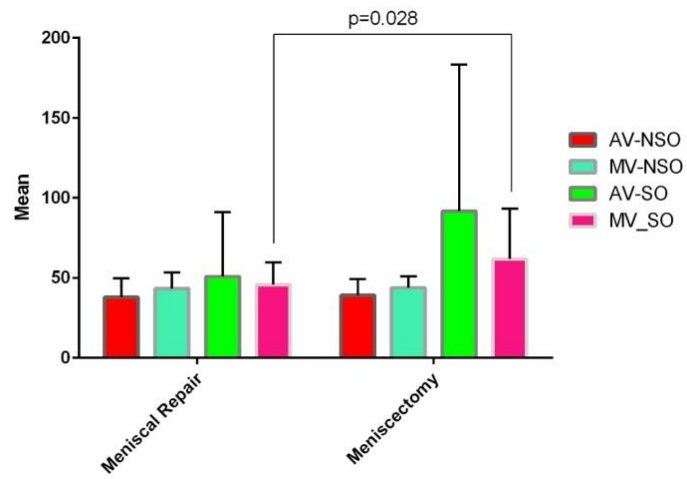| Dependent Variable	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
	Appendix 2. ANCOVA of Proprioception					
30°	Height of participants	13.434	1	13.434	4.092	.059
	Group	9.933	1	9.933	3.026	.089
45°	Height of participants	2.327	1	2.327	.255	.616
	Group	.373	1	.373	.041	.841
90°	Height of participants	31.990	1	31.990	2.515	.120
	Group	14.406	1	14.406	1.133	.293

ANCOVA test to control for height in the *Proprioception* test components in two types of treatment

Appendix 3. ANCOVA of Functional balance

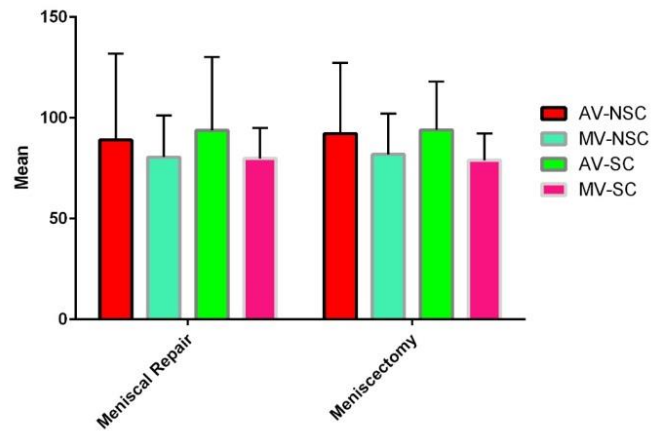| Dependent Variable	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Anterior	Height of participants	907.075	1	907.075	6.233	.056
	Group	24.070	1	24.070	.165	.686
Anterolateral	Height of participants	191.403	1	191.403	.512	.478
	Group	6.092	1	6.092	.016	.899
Anteromedial	Height of participants	486.299	1	486.299	1.297	.261
	Group	50.937	1	50.937	.136	.714
Lateral	Height of participants	856.819	1	856.819	1.853	.180
	Group	1044.917	1	1044.917	2.260	.140
Medial	Height of participants	54.825	1	54.825	.073	.789
	Group	243.627	1	243.627	.323	.573
Posterior	Height of participants	62.719	1	62.719	.092	.763
	Group	678.556	1	678.556	.997	.323
Posterolateral	Height of participants	17.224	1	17.224	.129	.721
	Group	115.697	1	115.697	.867	.357
Posteromedial	Height of participants	116.156	1	116.156	.269	.607
	Group	573.259	1	573.259	1.326	.256

ANCOVA test to control for height in the *Functional balance* test components in two types of treatment

Appendix 4. Anterior-posterior and Medio-lateral velocity, eyes-opened between groups and intragroup (surgical and non-surgical knees)
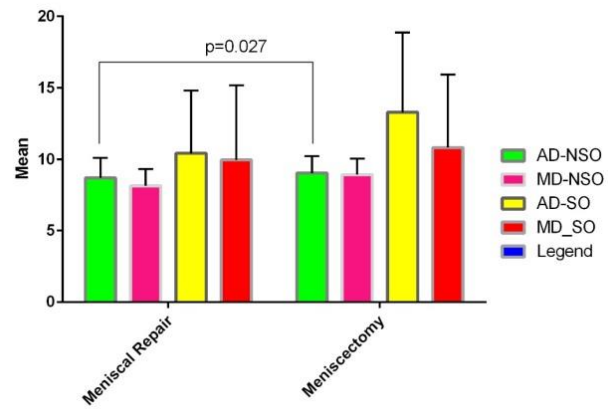

Two-group independent t-test was used.

Appendix 5. Anterior-posterior and Medio-lateral velocity, eyes-closed between groups and intragroup (surgical and non-surgical knees)
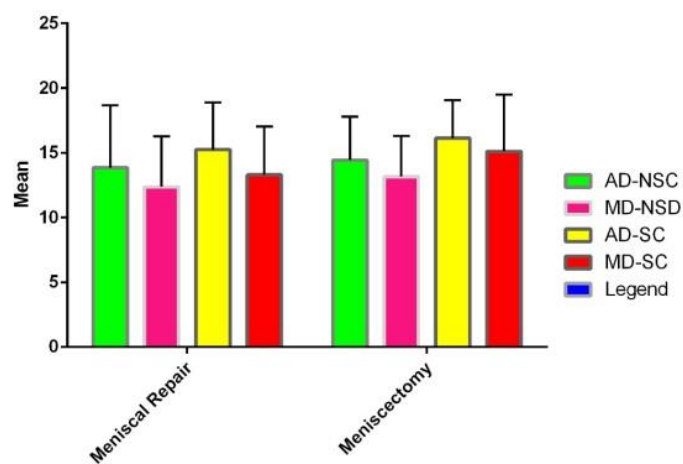
Two-group independent t-test was used.

Appendix 6. Anterior-posterior and Medio-lateral displacement, eyes-opened between groups and intragroup (surgical and non-surgical knees)
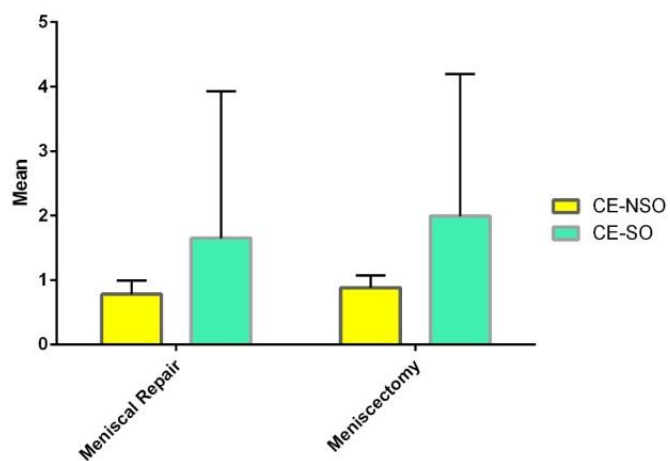

Two-group independent t-test was used.

Appendix 7. Anterior-posterior and Medio-lateral displacement, eyes-closed between groups and intragroup (surgical and non-surgical knees)
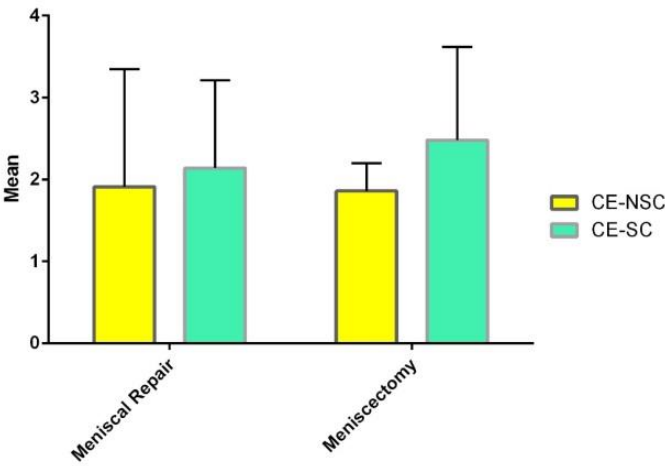

Two-group independent t-test was used.

Appendix 8. Confidence ellipse eyes-opened between groups and intragroup (surgical and non-surgical knees)

Two-group independent t-test was used.

Appendix 9. Confidence ellipse eyes-closed between groups and intragroup (surgical and non-surgical knees)

Two-group independent t-test was used.