

1 **APPENDIX**

2 **Table A1. Summary table for the mean values for the four primary gait metrics at both task**
 3 **conditions from athletes who completed both a baseline and post-season, and baseline and**
 4 **post-concussion, tests in the same season. Count is the number of athlete-seasons in each**
 5 **category.**

Sex	Time Point	Task	Count	Double		Gait	
				Cadence (step/min)	Support Time (%GCT)	Speed (m/s)	Stride Length (m)
Female	Baseline	Dual	39	103.6 ± 10.2	22.6 ± 3.2	0.9 ± 0.2	1.1 ± 0.1
		Single	39	112.4 ± 8.9	20.1 ± 3.1	1.1 ± 0.2	1.1 ± 0.1
	Post-Season	Dual	39	106.9 ± 10.3	21.8 ± 3.5	0.9 ± 0.2	1.1 ± 0.1
		Single	39	114.5 ± 9.2	19.4 ± 3.3	1.1 ± 0.2	1.2 ± 0.1
Male	Baseline	Dual	37	101.6 ± 7.2	22.6 ± 2.8	0.9 ± 0.1	1.1 ± 0.1
		Single	37	106.2 ± 5.6	21.0 ± 2.7	1.0 ± 0.1	1.2 ± 0.1
	Post-Season	Dual	37	102.4 ± 7.5	22.4 ± 2.7	1.0 ± 0.1	1.1 ± 0.1
		Single	37	106.3 ± 6.1	21.0 ± 2.5	1.1 ± 0.1	1.2 ± 0.1
Female	Baseline	Dual	14	104.6 ± 11.4	22.5 ± 3.2	1.0 ± 0.2	1.1 ± 0.1
		Single	14	113.4 ± 10.7	20.1 ± 2.8	1.1 ± 0.2	1.2 ± 1.2
	Post-CX	Dual	14	102.4 ± 11.1	23.2 ± 3.2	0.9 ± 0.2	1.1 ± 0.1
		Single	14	110.3 ± 11.1	20.8 ± 3.0	1.1 ± 0.2	1.1 ± 0.1

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7 **Table A2. Summary table for the mean dual task-cost (%) of four gait metrics from athletes**
 8 **who completed both a baseline and post-season test in the same season. Count is the number**
 9 **of athlete-seasons in each category.**

Sex	Time Point	Count	Cadence Cost (%)	Double	Gait Speed	Stride
				Support Cost (%)	Cost (%)	Length Cost (%)
Female	Baseline	39	-7.8 ± 4.6	13.2 ± 8.7	-15.1 ± 7.1	-8.0 ± 4.5
	Post-Season	39	-6.7 ± 3.7	12.5 ± 5.8	-13.4 ± 5.9	-7.4 ± 3.9
Male	Baseline	37	-4.4 ± 4.0	7.7 ± 5.3	-9.2 ± 6.4	-5.2 ± 3.7
	Post-Season	37	-3.6 ± 4.2	6.7 ± 5.6	-7.7 ± 6.8	-4.5 ± 3.7
Female	Baseline	14	-7.8 ± 4.5	12.1 ± 6.5	-13.9 ± 7.6	-7.0 ± 4.3
	Post-CX	14	-7.2 ± 2.9	11.9 ± 6.2	-13.0 ± 5.4	-6.2 ± 3.6