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Appendix

Ground Reaction Forces

Following SPM paired t-tests, no significant differences were observed for medial/lateral, anterior/posterior or vertical ground reaction forces of the arthrodesis limb compared to the untreated limb.

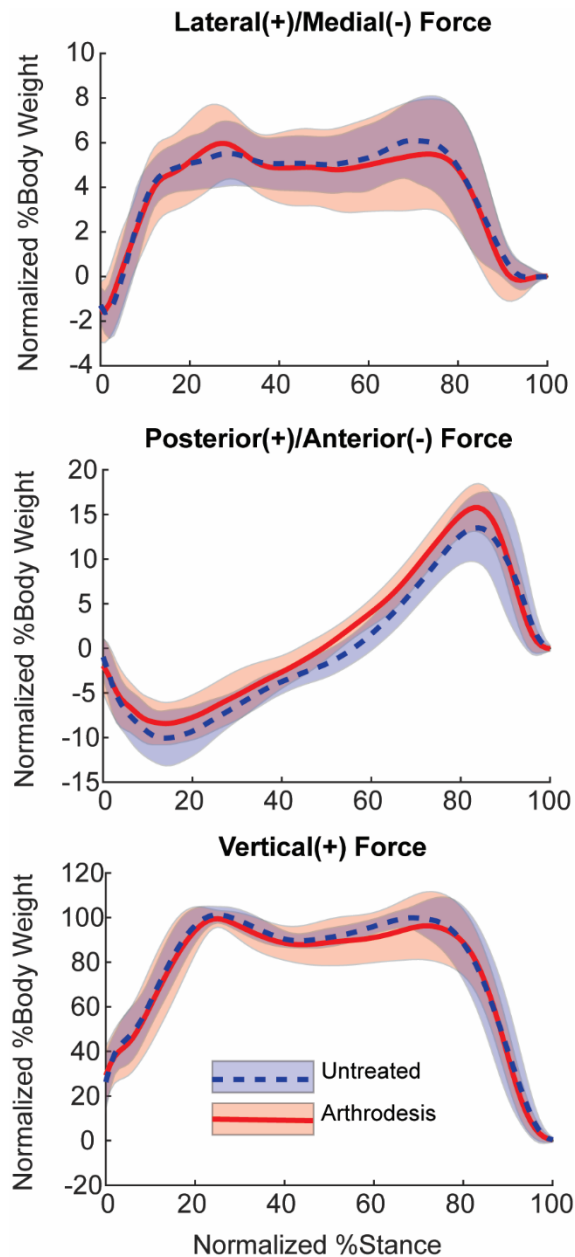


Figure A1. Ground reaction force comparisons for the arthrodesis versus the untreated limb during self-selected overground walking, normalized to percent stance (0% = initial heel contact; 100% = toe-off).

Spatial-Temporal Parameters

Table A1. Spatial-Temporal parameters (step length, step width, stance time and swing time) for overground walking, reporting the arthrodesis limb compared to the untreated limb. No statistically significant differences were revealed.

	Walking		
	Arthrodesis	Untreated	<i>p-value</i>
Step Length (m)	0.57 ± 0.07	0.55 ± 0.08	p = 0.55
Step Width (m)	0.13 ± 0.03	0.14 ± 0.04	p = 0.54
Stance Time (sec)	0.76 ± 0.10	0.75 ± 0.80	p = 0.97
Swing Time (sec)	0.48 ± 0.06	0.47 ± 0.04	p = 0.67