Copyright @ by The Journal of Bone and Joint Surgery, Incorporated Lenz et al.

 $Compensatory\ Motion\ of\ the\ Subtalar\ Joint\ Following\ Tibiotalar\ Arthrodesis.\ An\ in\ Vivo\ Dual-Fluoroscopy\ Imaging\ Study\ http://dx.doi.org/10.2106/JBJS.19.01132$ $Page\ 1$

The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

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.

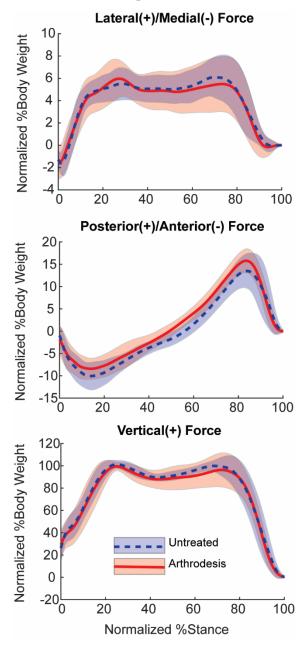


Figure A1. Ground reaction force comparisons for the arthrodesis versus the untreated limb during self-selected overground walking, normalized to percent stance (0% = initial heel contact; 100% = toe-off).

Copyright ${\mathbin{\mathbb Q}}$ by The Journal of Bone and Joint Surgery, Incorporated

LENZ ET AL.

 $Compensatory\ Motion\ of\ the\ Subtalar\ Joint\ Following\ Tibiotalar\ Arthrodesis.\ An\ in\ Vivo\ Dual-Fluoroscopy\ Imaging\ Study\ http://dx.doi.org/10.2106/JBJS.19.01132$

Page 2

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	p-value
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