Supplementary Table I RMSE between the Gold-Standard and Estimated GRF for SSL Pre-trained Model during Stance, Swing Phases of Walking and Landing, Flight Phases of Drop Landing.

		RMSE (N/kg)		
Dataset	Phase	mlGRFa	apGRFa	$vGRF^a$
Overground Walking	Stance	0.04 ± 0.01	0.03 ± 0.01	0.13 ± 0.03
	Swing	0.01 ± 0.01	0.01 ± 0.00	0.05 ± 0.02
Treadmill Walking	Stance	0.02 ± 0.00	0.03 ± 0.01	0.12 ± 0.02
	Swing	0.01 ± 0.00	0.01 ± 0.00	0.06 ± 0.01
Drop Landing	Landing	0.04±0.01	0.05±0.01	0.19±0.05
	Flight	0.01 ± 0.00	0.01 ± 0.00	0.05 ± 0.02

^a ml: medial-lateral; ap: anterior-posterior; v: vertical