

Materials List for

Postural Organization of Gait Initiation for Biomechanical Analysis Using Force Platform Recordings

Arnaud Simonet^{1,2,3}, Arnaud Delafontaine^{2,3,4}, Paul Fourcade^{2,3}, Eric Yiu^{2,3}

¹LADAPT Loiret, Centre de Soins de Suite et de Réadaptation ²CIAMS, Université Paris-Saclay ³CIAMS, Université d'Orléans ⁴Université Libre de Bruxelles, Belgique

Corresponding Author

Eric Yiu
eric.yiu@universite-paris-saclay.fr

Citation

Simonet, A., Delafontaine, A., Fourcade, P., Yiu, E. Postural Organization of Gait Initiation for Biomechanical Analysis Using Force Platform Recordings. *J. Vis. Exp.* (185), e64088, doi:10.3791/64088 (2022).

Date Published

July 26, 2022

DOI

10.3791/64088

URL

jove.com/video/64088

Materials

Name	Company	Catalog Number	Comments
Force platform(s)	AMTI		One large [120 cm x 60 cm] or two small [60 cm x 40 cm] force platform(s)
Python or Matlab	Python or MathWorks		Programming language for the computation of experimental variables
Qualisys track manage	Qualisys		Software for the synchronization of the force platform(s), the recording and the on-line visualization of raw biomechanical traces (3D forces and moments)
Visual3D	C-Motion Inc		Software for the processing of raw biomechanical traces (low-pass filtering)