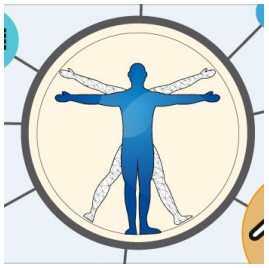
Feb 12, 2019 Version 2

Joint angle calculation from optical markers and IMUs attached to the lower body V.2



PLOS One

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https://dx.doi.org/10.17504/protocols.io.vwye7fw

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Teufl W, Miezal M, Taetz B, Fröhlich M, Bleser G (2019) Validity of inertial sensor based 3D joint kinematics of static and dynamic sport and physiotherapy specific movements. PLoS ONE 14(2): e0213064. doi: 10.1371/journal.pone.0213064

Protocol status: Working
We use this protocol and it's working

Created: November 27, 2018

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Keywords: joint angle calculation from optical marker, 3d joint kinematic, based 3d joint kinematic, 3d joint angle, calculation of 3d joint angle, incorporating inertial sensor data, optical motion capture data, inertial sensor, inertial sensor data, validity of inertial sensor, joint angle calculation, physiotherapy specific movement, physiotherapy, optical marker, specific movement, dynamic sport

Abstract

The attached file contains a detailed description of the methods used in the manuscript "Validity of inertial sensor based 3D joint kinematics of static and dynamic sport and physiotherapy specific movements" for the calculation of 3D joint angles incorporating inertial sensor data and optical motion capture data.

Attachments

PDF

Protocol attachment....

635KB