INTERACTIVE GAIT ANALYSIS APP

An Android application for at-home rehabilitation of patients experiencing targeted pathological gaits through the interpretation of real-time data to classify pathology and measure the deviation from a non-pathological gait.

Bluetooth connection allows sensors to communicate with the Android phone.

Android application guides the user through easy to follow procedures.

Adjustable leg straps used to properly fasten the IMU sensors.

Clippable shoe unit used to properly fasten the IMU sensors.

Features:
- Customizable profiles
- Tracking of personal progress
- Easy at-home use
- User friendly environment

IMU sensors wirelessly obtains spatial data in 3 axes.