**Orthodia - Characterize and automatically diagnose gait disorders**

**Objective:**

To develop a computerized system to characterize and automatically diagnose gait disorders.

Allows gait pathologies identification and quantifies their severity.

Provides an indication of the progress of the rehabilitation, either through a comparative analysis of the movement either by indicating a value of the forces exerted by the patient with the lower limbs.

**Uses:**

- 2 camera vision system
- Set of pressure sensors under the feet

Prototypes have the potential to evolve to commercial products that will be produced by the associated company.

**Reference**

Duration 2013 – 2015

Funding Mais Centro (QREN)

Partners ISR-UC, CHUC Advanced Space Technologies