

ShowCase

SHoW Motion, an innovative platform for motion analysis

Products

SHoW Motion, the ultimate platform for monitoring the joint kinematics.

Results

More than 5000 analyses acquired with this platform

Objectification of clinical improvement of the patients after a surgical or rehabilitative therapy.

Project Details

The strong collaboration between NCS Lab (Capri, Italy), Exactech Italia S.P.A. and COT (Centro Ortopedico Traumatologico, Messina, Italy) led to the birth of Emotion, an innovative start-up in the field of motion analysis.

Introduction

SHoW Motion is a revolutionary approach that combines motion tracking and superficial electromyographic analysis in the attempt of monitoring the motion pattern and the related muscles activity. Using inertial platforms and validated protocols for upper and lower limbs, SHoW Motion is the perfect tool for measure, record, segment, compare and report movements and provide a visual representation of the variables involved, highlighting underlying information and permitting an in-depth analysis of the movement in real time.

Challenges

The main objectives pursued by Emotion when implementing this project are:

- Objectivate kinematics data
- Provide and store a dynamic info
- Compare over time
- Correlate movement with muscles activity
- Discover trends and drift from normality highlighting compensation strategies

Solution

S-how Motion is a translation technology that permits easily and quickly to perform an in depth real time measurement of a movement everywhere, without the need of a dedicated environment or experienced technicians.

References:

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