

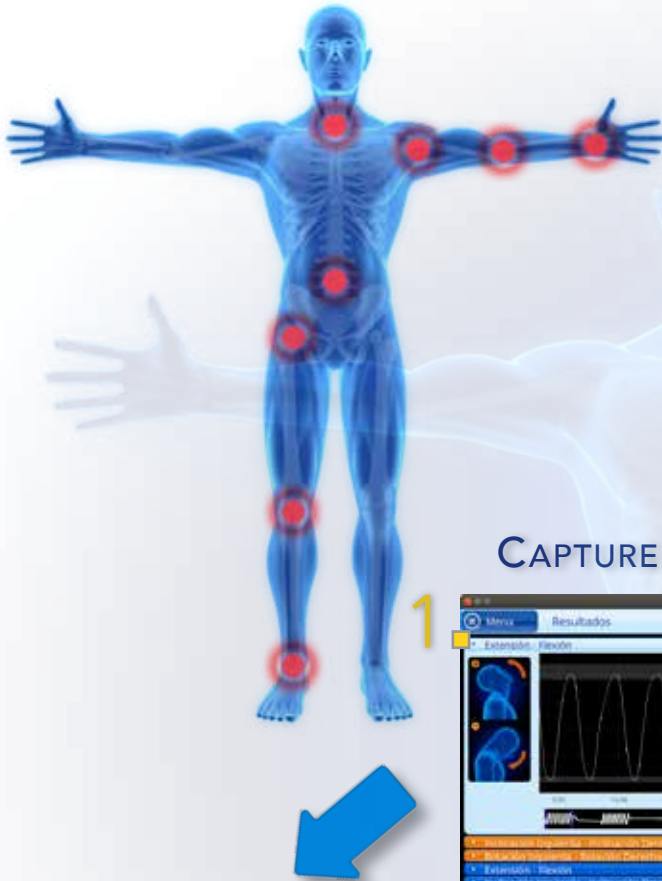


### BIOMECHANICAL EVALUATION SYSTEM

The biomechanical evaluation system MOVME with inertial sensors is an excellent tool for clinical assessment of pathologies that affect the functionality of the musculoskeletal system.

MOVME is fully designed by INNOVEM which its analysis is based on inertial sensors with 6 degrees of freedom. Integrating an accelerometer, a gyroscope and a magnetometer movement with a wireless communication system.

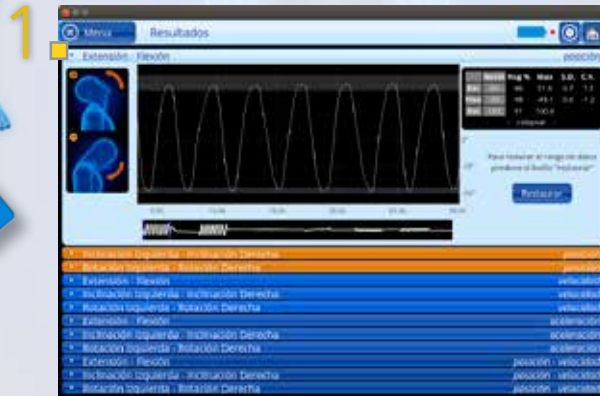
### BIOMECHANICAL MODELS AND CLINICAL PROTOCOLS



### BENEFITS:

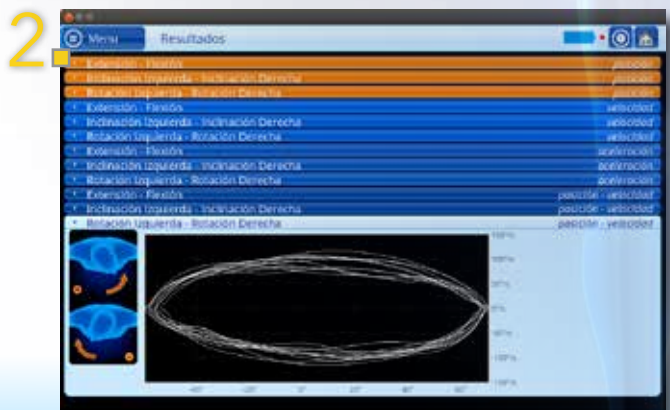
- **Determine**, objectively and accurately capacity levels, disability or dysfunction.
- **Reduce** the subjective variables (pain, discomfort).
- **Provide** information that the patient is able to understand (bio-feedback).
- **Be able to assist** in decision-making, to determine when redirect, continue or terminate a treatment.
- **Accelerate** the clinical record and reduce unnecessary spending.
- **Optimize** resources and reduce the social and economic cost.
- **Assistance** to social and work reintegration, and ensure a better quality of life.
- **Advising** on job reassignment.

### CAPTURE

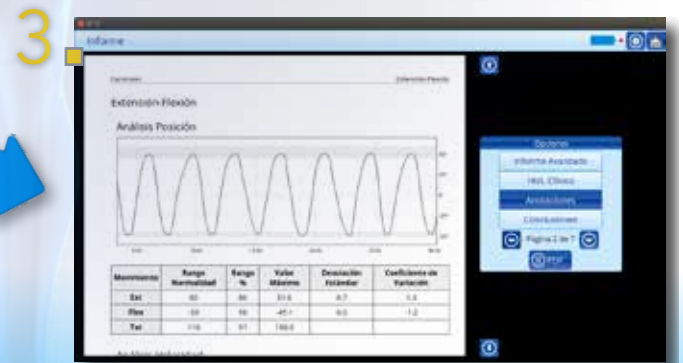


- **Portable System.**
- **Predefined protocols** which guide the specialist in placement of the sensors.
- **Wireless** up to 10 meters.

### ANALYSIS



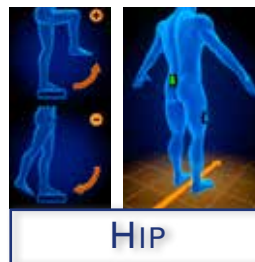
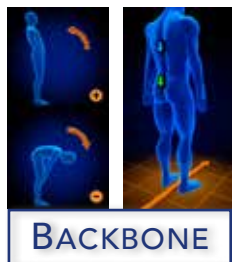
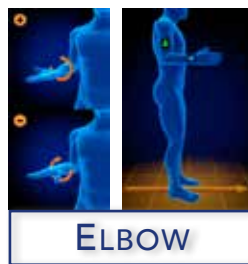
### REPORT



- **Easy and Intuitive** interface.
- **Accuracy and reliability** of data.
- Display of the **kinematic parameters** in real time.
- **Comparison** with normal parameters.
- **Comparison** between healthy and pathological side of a joint.
- Patient's **historical management**.

- **Automatic generation** of the report.
- **Immediate** interpretation of the results.

# BIOMECHANICAL PROTOCOLS



## MAIN APPLICATIONS

### EXPERT REPORT

- Assessment of Mechanical Capacity.

### CLINIC

- Rehabilitation.
- Trauma Assessment.
- Neurology.
- Chiropody.

### ERGONOMICS

- Prevention.
- Design Jobs.
- Worker Control.
- Machines and Tools Design.

### SPORTS

- Sports Efficiency.

### INVESTIGATION

- Human Movement.
- Prosthesis Studies.

