Why Choose the DynaPort MoveTest

Fields of application
Medical Monitoring with the MoveTest is used worldwide in pharmaceutical trials, research and clinical care.

We Facilitate Unobtrusive Assessment of Physical Performance

- **Single device around the waist.** The DynaPort MT is fixed to an elastic strap and located on the lower back.
- **Body Fixed Sensor.** Patient friendly, light and unobtrusive, fast and easy instrumentation including 3D accelerometer, 3D gyroscope, 3D magnetometer, air pressure, and temperature sensor.
- **Existing performance tests.** Many existing performance tests to measure gait and posture can be included in the measurement.
- **Quality of movement.** Parameters can be identified that provide a basis for more precise, quantitative study of physical performance.
- **Location independent.** The concept of one wearable, wirelessly controlled, sensor allows the measurement to take place anywhere.
- **Fields of application.** Medical Testing with the MoveTest is used in research, clinical diagnostics, pharmaceutical trials and clinical interventions.
- **MoveMonitor.** Assessment of physical activity in daily life can be performed with our other product: the DynaPort MoveMonitor. Both products run on the same online platform and are complementary [1].
• **Knowledge and experience.** McRoberts has partnerships in the domains of respiratory disease, neurology, geriatrics, orthopaedics, vascular surgery and rehabilitation.

• **Worldwide.** The MoveTest is used in more than 40 countries worldwide.

We offer a Flexible, Easy to Use, Protocolled, Remote Controlled, and Efficient Method for Data Collection

• **Flexible.** One device for several different performance tests.

• **Easy to use.** The use of the ambulatory instrumentation is suitable for non-technically trained personnel.

• **Protocolled.** Pre-programmed protocols guide users through the performance tests, making multi tester and multi-center studies easy to manage.

• **Remote controlled.** The start, stop and annotation of the data collection is wirelessly controlled and makes combined data collection and patient guarding possible.

• **Efficient.** Single tester, multiple performance tests with one device, fast instrumentation and short learning time.

We Maximise the Use of your Outcome data

• **Sophisticated reports.** The reports we produce include graphical and numerical data for research and patient feedback.

• **Multiple report notifications.** There is an option to send a report availability notification to different stakeholders.

• **Own in-depth analysis.** Detailed analysis output is available for users in an easy-to-use format to facilitate custom analyses.

• **Storage of data.** Large quantities of measurement data from different sites can be stored. Measurement data can be reanalysed when new analysis software becomes available.

• **Database storage.** We are able to store outcomes in project databases to facilitate efficient and fast statistical analyses.
We Offer a Unique and Dedicated Online Service

- **Management of multi centre studies.** The McRoberts website offers a web-based data management system that integrates all aspects of a multi-centre study: from local data acquisition to central storage, processing, and ultimately dissemination. It provides a secure and user-friendly platform, automating the flow of clinical trials and complex multi-centre studies.

- **On-line support.** Support is provided rapidly via automatic process control. We offer remote desktop support in case of technical problems on-site.

- **Raw data backup.** We generate a backup of the original data and the outcome database content.

- **Automatic software update.** Because McRoberts manages all updates and upgrades, there are no patches for customers to download or install.

- **Easy version control.** Analysis software is updated automatically with the possibility of keeping a previous version to ensure reproducibility during your study.

- **Scalability capacity.** Possibility to increase or decrease the capacity of the online service at any time.

- **Flexibility of work place.** Easy access to your data from every computer connected to the internet.

We Offer Excellent Clinimetric Properties

- **Sensor reproducibility.** All sensors are calibrated and sensor outcomes from different devices are identical.

- **Validity and reproducability.** Several scientific studies have reported good validity of the identification of kinematics and spatiotemporal events compared to e.g. optoelectronic motion capture systems. Interrater, intra-rater and test-retest reliability was determined for several tests as well [2-5].

- **Sensitivity to identify clinical populations.** Numerous studies have showed the discriminative capacity of performance tests assessed wit the MoveTest in various clinical populations [6-11].
We Emphasize Quality Assurance and Regulatory Compliance

- **Quality management system.** McRoberts meets the requirements of EN ISO 13485:2003 and 21 CFR 820.
- **A powerful and secure IT infrastructure.** All traffic to and from our website is encrypted using SSL which guarantees secure connections. Data files are assigned a unique file identifier to ensure data integrity.
- **FDA and CE.** Products are compliant with EU and US legislation.

References