

Analysis Measuring Station for Proprioceptive Posture Therapy

The POSTUROMED™ device with its movable and adjustable unstable therapy plate has a broad range of application in neuro-orthopedic therapy, for preventative measures and top-class professional sport.

Using the zebris motion analysis measuring system based on the travel time measurement of ultrasonic pulses, the POSTUROMED therapeutic device can be expanded to form a complete analysis measuring station.

Apart from a stepping test the therapy plate can be swivelled out with a provocation unit and also be used for objective tests where neuro-degenerative disorders are involved.

Small ultrasonic markers are attached at the side of the therapy plate or directly on the patient. The measuring system makes three-dimensional recordings of all the movements of the markers and shows the results clearly in a report.

For presenting the learning effect,



several tests can be carried out directly one after the other in the provocative test. The length of the movement path of a virtual point in the middle of the plate is then calculated.

For analysing the stepping tests, colored frequency spectrograms are used to indicate segmental instabilities. In this way, all the body movements can be analyzed with respect to intensity and oscillation frequency.

In the reports, up to three tests can be compared for controlling the therapy.

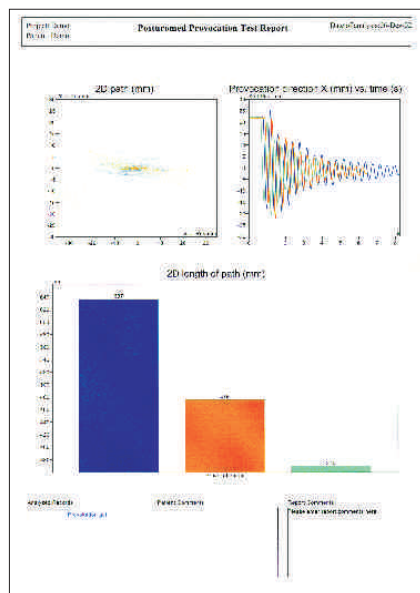
- Simple and fast data acquisition using the zebris measuring systems based on the principle of travel time measurement of ultrasonic pulses

- "WinPosture" program runs under up to date Windows operating systems

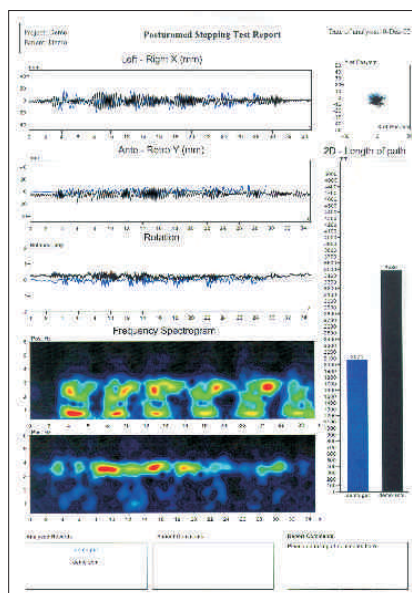
- Measurement on the therapy plate or directly on the patient

- Determination of the translation and rotation of the therapy plate

- Frequency spectrogram output for analyzing the stepping tests



Report - Provocative test



Report - Stepping test with spectrograms (Rasev / Sladek)

For further information please contact

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