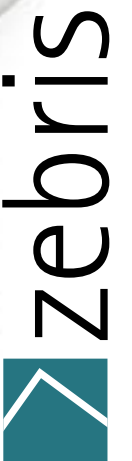

Equilibrium Analysis using Cranio-Corpography-CCG



CCG
SYSTEM

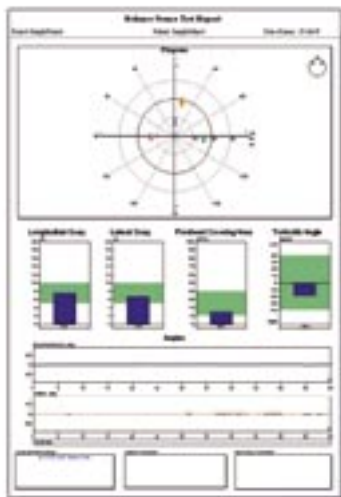


The CCG Measuring Station for fast a

For the stance test the patient standing still in an upright position for one minute. For sensitization, the arms can be stretched forward. An automatic analysis of the longitudinal and lateral sway, the forehead covering area and torticollis angle is carried out



The movement of the markers on the helmet and on the shoulder plates are shown in different colors on the computer as luminescent tracks in the horizontal projection. They can be observed during the measurement in real-time.



This measuring procedure is based on the provocation test in the Romberg stance test and the Unterberger/Fukuda stepping test. The spatial positions of four ultrasonic transmitters (markers) are measured, two of which define the position of the head and the other two the position of the shoulders.

The resulting movement patterns of the head and body are recorded and allow the findings to be evaluated directly during or after the measurement. Due to the ultrasonic technology used, a mobile application of the measuring station is guaranteed under all spatial conditions. The preparations for the patient and the measurement can be carried out in a few minutes.

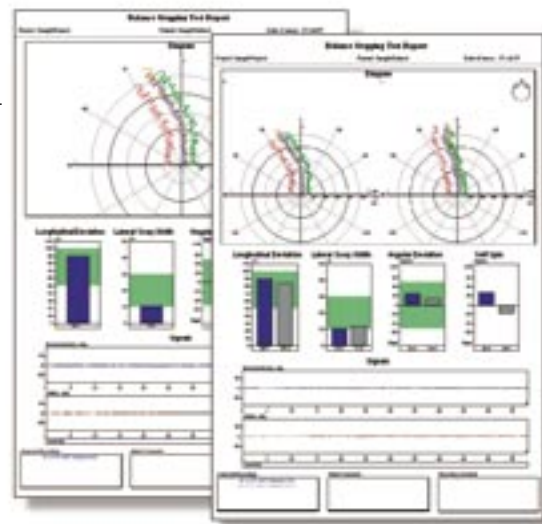
and simple equilibrium investigations



During the stepping test the patient marches briskly, on the spot for one minute. An automatic analysis is carried out of the longitudinal and lateral sway, the angular deviation and self-spin.

The measuring results are automatically computed and archived. The method is suitable in industrial medicine for examination for work involving the danger of falling.

The measuring parameters are shown as a bar chart with the respective standard data. For controlling the therapy effectively two measurements can be directly compared with each other.



System Components



The measuring system consists of a measuring unit with a stand, a marker helmet, shoulder markers and the connecting adap-

ter with belt. The system is connected to a commercially available PC via a USB interface. The measuring results can be printed

out on a printer. The system can be supplied together with a computer and printer.

Additional zebris systems for equilibrium analysis

The FDM-S measuring platform

