

Ambulatory Tremor Monitor

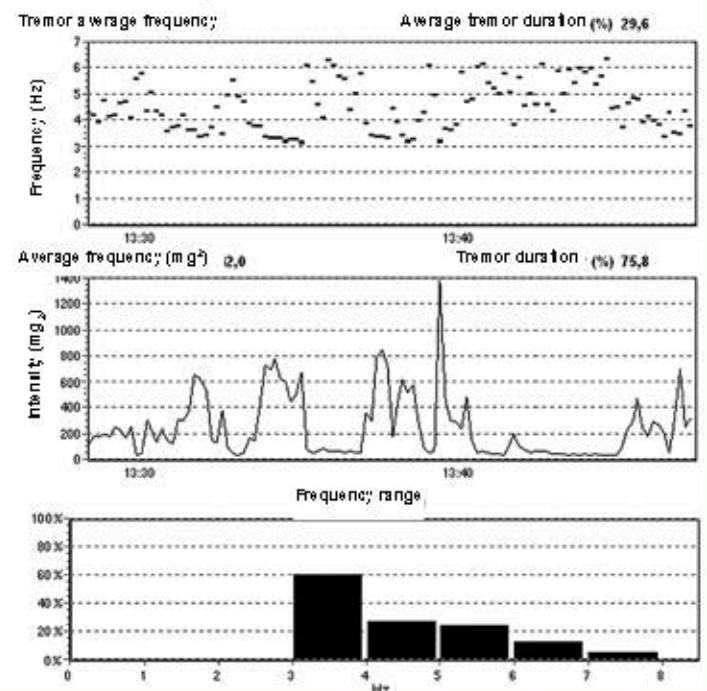


- Determination of low- and high frequency tremor and amplitude
- Graphic presentation of tremor frequency and intensity during the whole measurement
- Calculation of average tremor frequency and duration
- Detailed display of frequency range (adjustable limits)

SOMNOwatch™ plus Tremor

- ▶ Recording duration up to 13 days
- ▶ Saves x, y, z-raw data with 128 Hz
- ▶ Easy handling for Patient & Physician
- ▶ Simultaneous Measurement of Tremor on various Limbs
- ▶ External EMG- or Actigraphy Sensor applicable

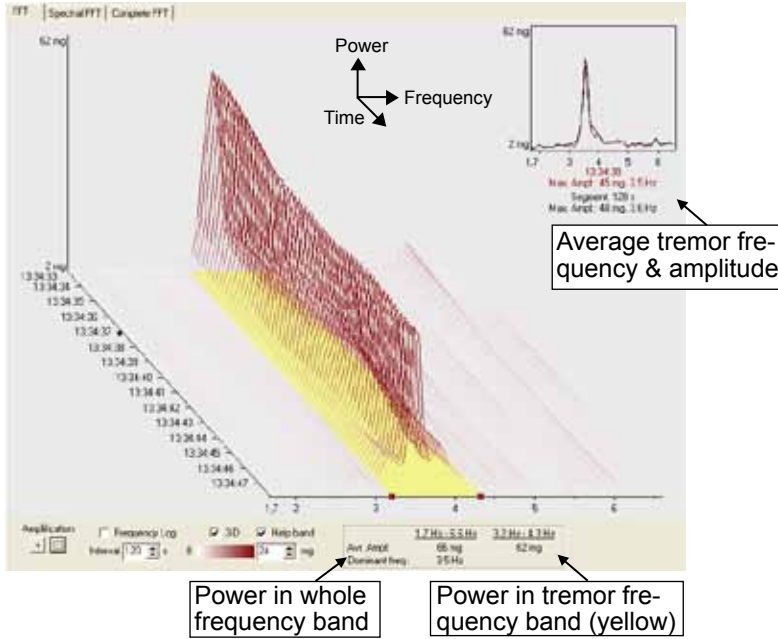
FFT / Tremor Analysis



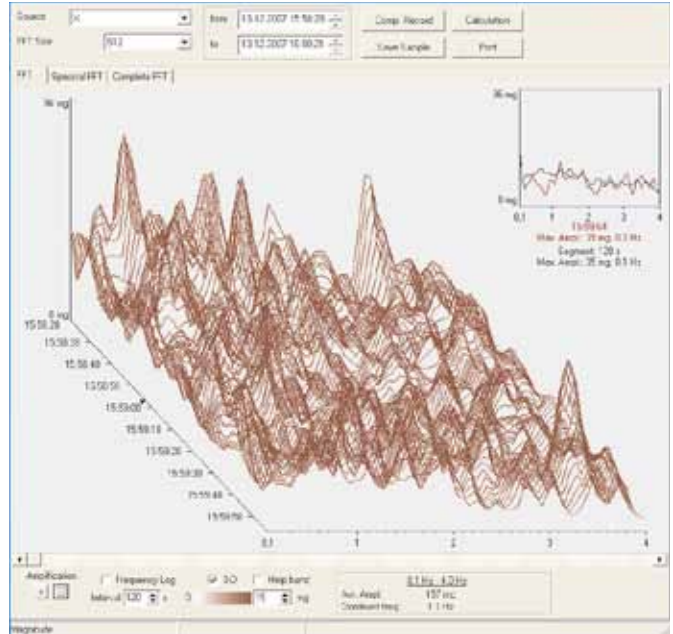
SOMNOwatch™ plus Tremor

Differentiated Diagnostics through 3D-frequency Analysis²

Tremor

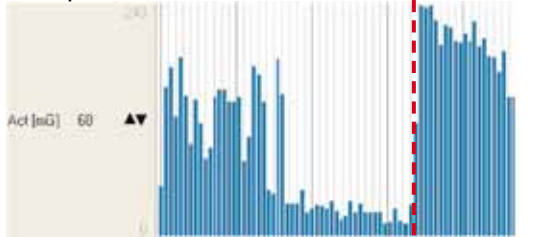


Dyskinesia

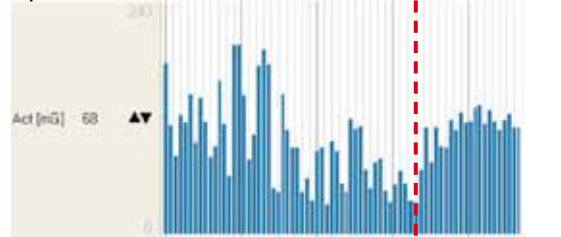


Optimization of medicinal treatments¹

not optimized:



optimized:

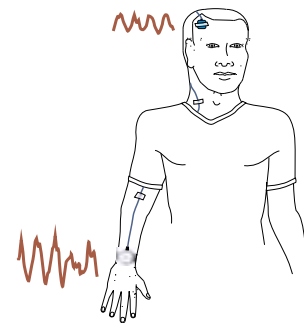


Determination of general Bradykinesia, fluctuations of motility during the day and Hyperkinesia

Automatic Analysis Software

- Spectral analysis for determination of tremor frequency
- Easy determination of frequency and power in the tremor frequency band
- Quick results, tabular or graphical
- Export to EXCEL

Simultaneous measurement of head and hand tremor through external sensor



Literature

- (1) Csoti I, Werner M, Fornadi F: ActiTrac. Bewegungsanalyse bei M. Parkinson. Parkinsonzentrum Gertrudis-Klinik Biskirchen
- (2) Csoti I, Werner M, Fornadi F: DigiTrac. Eine neue Möglichkeit der Tremoranalyse bei M. Parkinson. Parkinsonzentrum Gertrudis-Klinik Biskirchen

7 internal channels

Body position, 3 activity sensors (x, y, z-axis, magnitude), ambient light, patient marker

Data Collection

Adjustable sampling rate up to 128/s, small filesizes thanks to compressed data storage

Power supply

Li-Ion battery, 630mAh, rechargeable

Size and weight

45 mm diameter x 16 mm (incl. battery, 30 g)

Device functions

Recording duration up to 13 days with 32 Hz

Charging of battery and data transfer via docking station

Programmable start- and stop-times, delayed auto-start

splashproof

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