QEMG

30 + 15 min demo





Computer aided analysis











Methods

- recruitment analysis
- visual inspection (ampl, fullness)
- spectral analysis
- broad band filter analysis
- turns/amplitude analysis
- "ampl", "turns", activity

Computer analysis of EMG at full effort

















How to quantitate Central drive

Parameters:

- pattern firing rate, onset frequency
- fullness RMS, integration, "activity"
- stim/voluntary difference
 - CMAP vs. RMS of voluntary EMGsuperimposed twitch

Stälberg

Reasons for performing QEMG

- standardized way of measuring
- improved sensitivity
- results can be transferred
 - from one time to the other follow up
 - from one physician to the other
 - from on lab to the other
- reliable results also from less experienced EMGers
- good during training