FHC
Neural microTargeting™ Worldwide

www.fh-co.com

Guideline 5

Successful Patient programming starts with accurate brain mapping

The Guideline 5 system combines microelectrode recording, LFP biomarker recording and neuromodulation in a streamlined user interface with advanced analysis options to optimize your DBS workflow

To schedule a demonstration, please visit www.fh-co.com/product/guideline-5

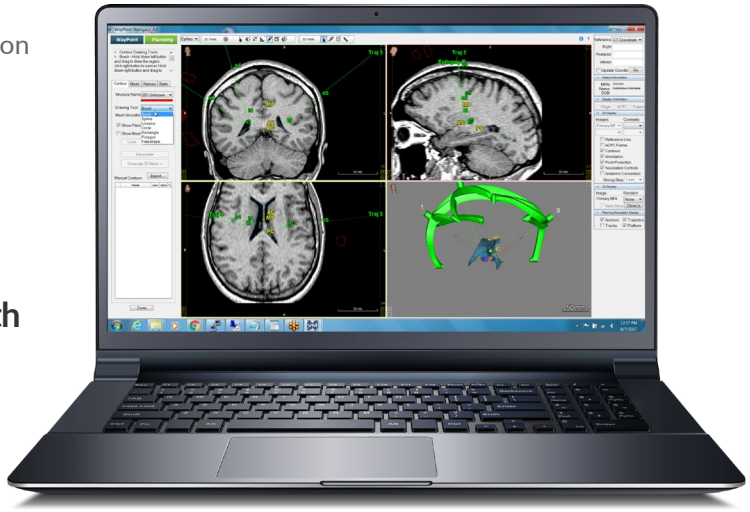
Find the target in real time by leveraging the analysis graphs

Root Mean Square (RMS) vs depth

- Customize and interact with the chart for easy interpretation
- Understand the relative changes along the trajectory by normalizing the RMS
- Identify the STN borders by using the multi unit activity RMS vs depth

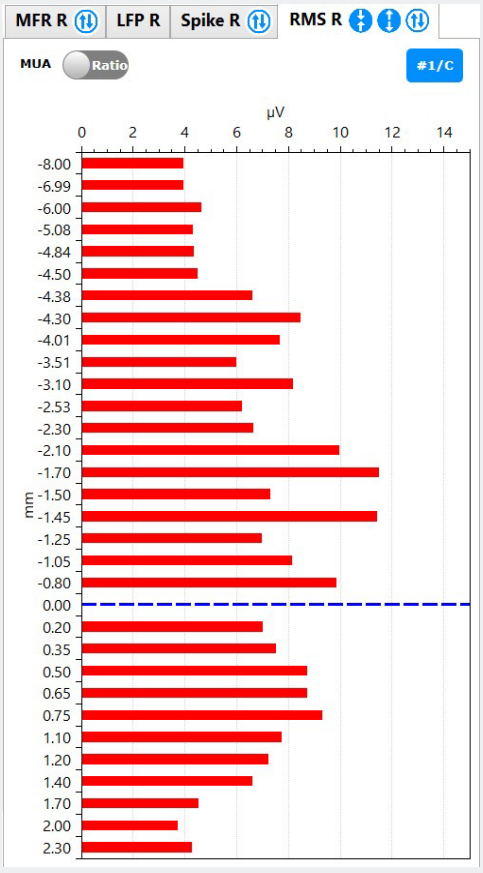
Spike discrimination and mean firing rate vs depth

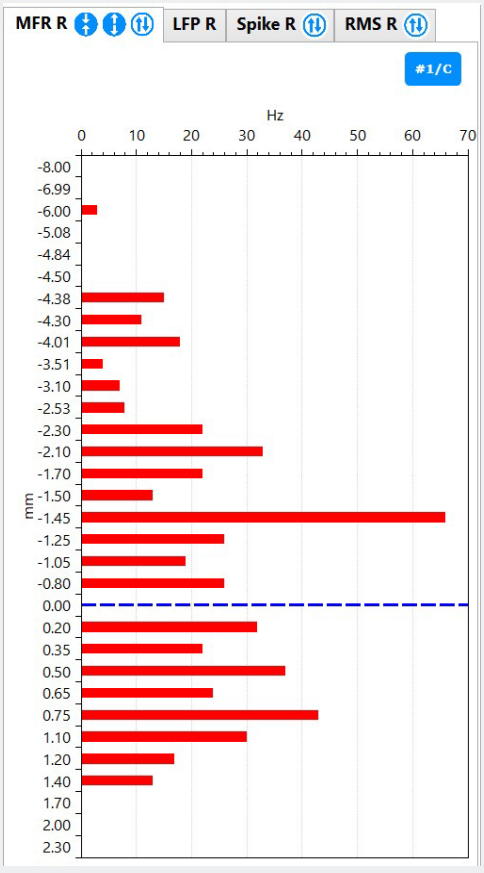
- Map brain structures by analyzing neuron firing rates

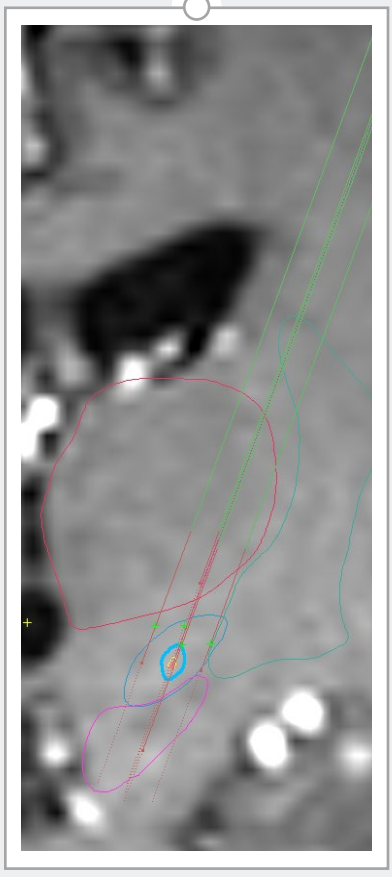


Enhance mapping by viewing the MFR overlapped with anatomical structures in WayPoint Navigator

WayPoint™ Navigator







Personalized Patient Programming Begins with Understanding Local Field Potential (LFP) Frequencies in Real Time

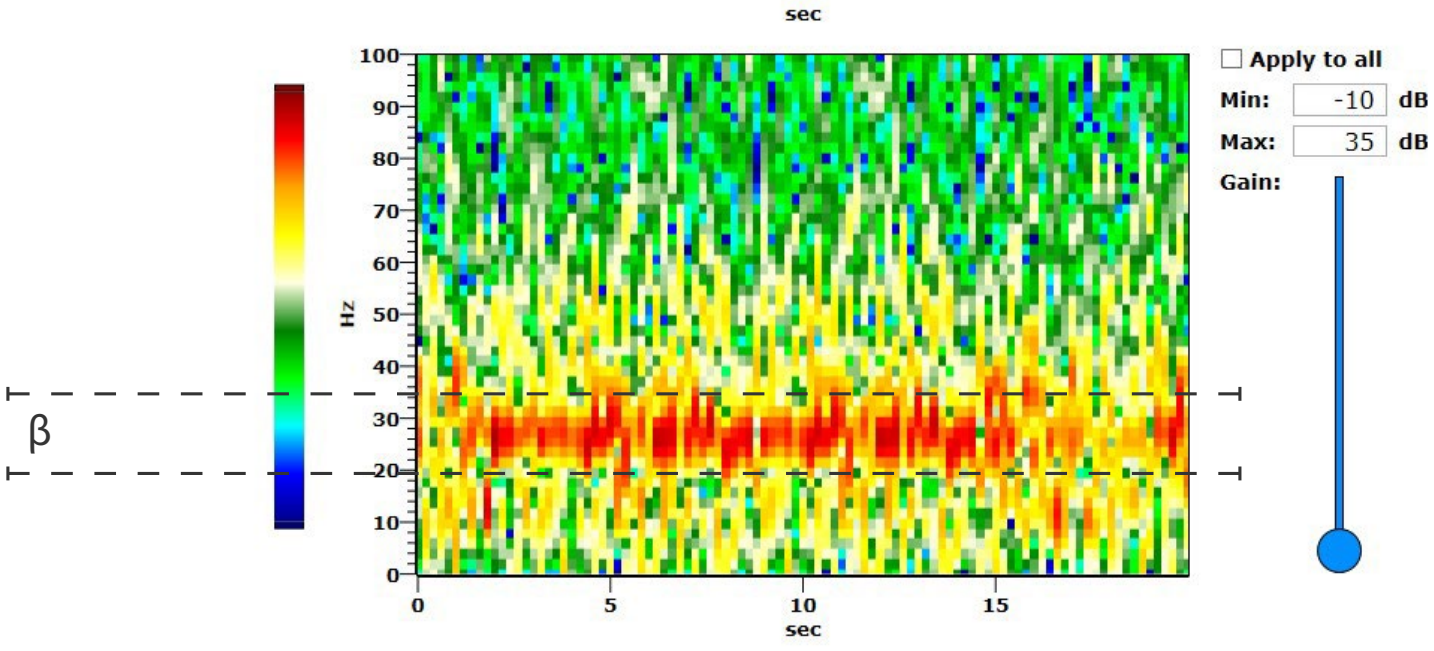
When single-unit detection in the STN is problematic, look at the LFPs

Kickstart successful DBS programming by identifying disease specific electrophysiological biomarkers to enhance lead positioning accuracy

Unravel the properties of the LFP frequencies correlated with pathology

- Record LFPs from the macro-contact of acute electrodes
  - Compatible With FHC microTageting™ Electrodes
- Record LFPs from the DBS lead to optimize placement
- Support for monopolar configurations
  - Either the cannula or any contact can be used as reference
- Stimulate through the DBS lead to determine effect over the beta band frequencies and fine tune DBS programming starting from the intraoperative stage
- Interactive LFP spectrogram reveals frequency changes in real time and vs depth
- Record LFPs from the DBS lead to optimize placement
- Review power spectral density and enhance it by adjusting smoothness

Dedicated LF Interface is compatible with popular leads from Medtronic, Boston Scientific and Abbott

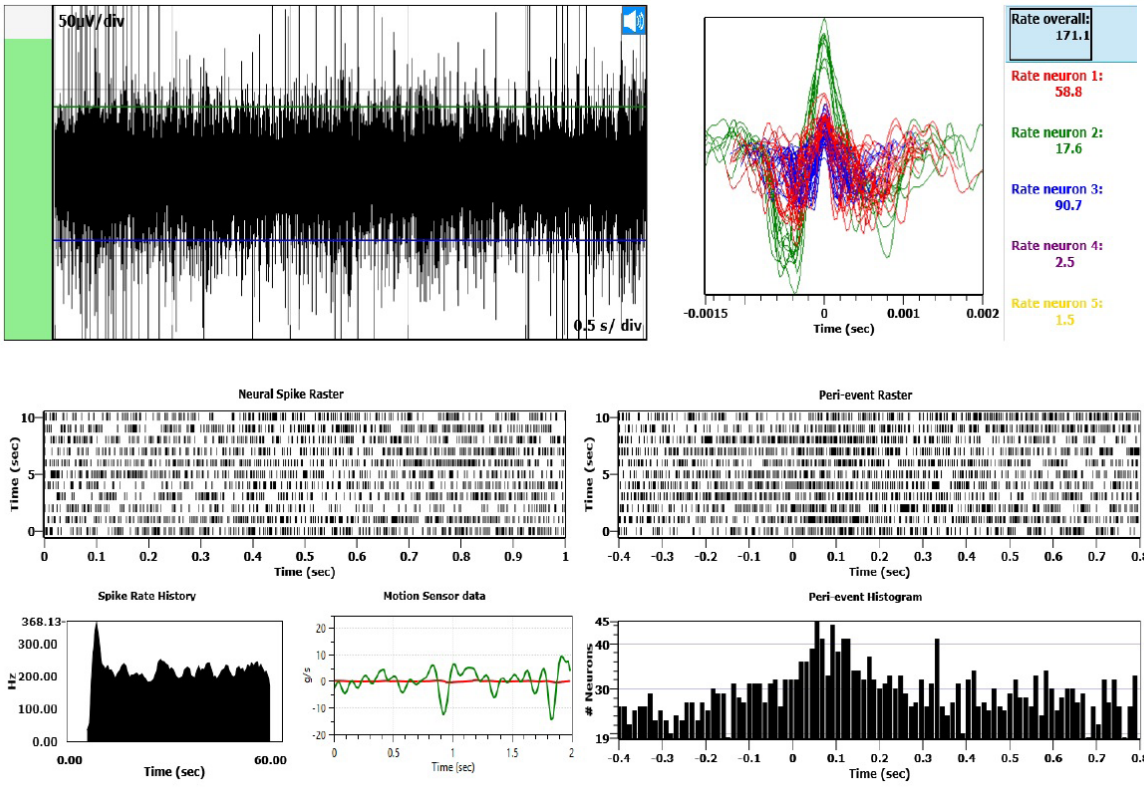


Resident Expert™

- Automatic spike sorting*
- Signal to noise ratio indicator
- Spike rate history
- Motion sensor integration
- Peri-event raster and histogram

RESIDENT EXPERT:
REX

The only system that combines automatic spike detection with Kinesthetic testing for localizing the sensorimotor region of the STN



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