



# Resident Expert™ (REX)

## New additional tools in FHC's Guideline™ 5 for locating DBS targets

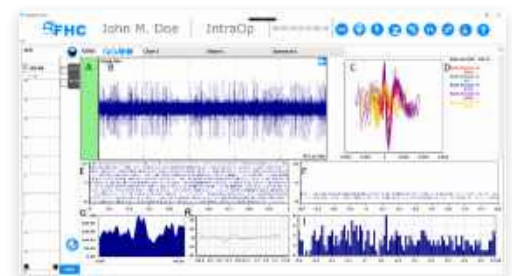
### Advanced analytical suite for isolating microelectrode activity and firing properties

- Unsupervised detection, sorting and visualization of neuronal action potentials
- Neuronal spike rasters with filtering of non-physiological artifacts
- Indication of signal quality based on statistical properties of the signal
- Detection of multi-unit background activity using wavelet de-spiking
- Suggests\* STN border location based on the robust background activity, even when isolating single-units along the track fails
- Use the REX Kinetic Motion Detector for synchronizing limb flexing during intraoperative neurological evaluation

(\*based on medical interpretation of results)



*REX Kinetic Motion Detector shown correctly positioned on the testing technician demonstrates wrist and elbow flexing*



### Ordering Information

- **C0258:** Resident Expert Software Module add on for the Guideline 5
- **C0259:** Resident Expert Kinetic Motion Detector

*Resident Expert™ and Guideline™ are trademarks of FHC, Inc.*

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