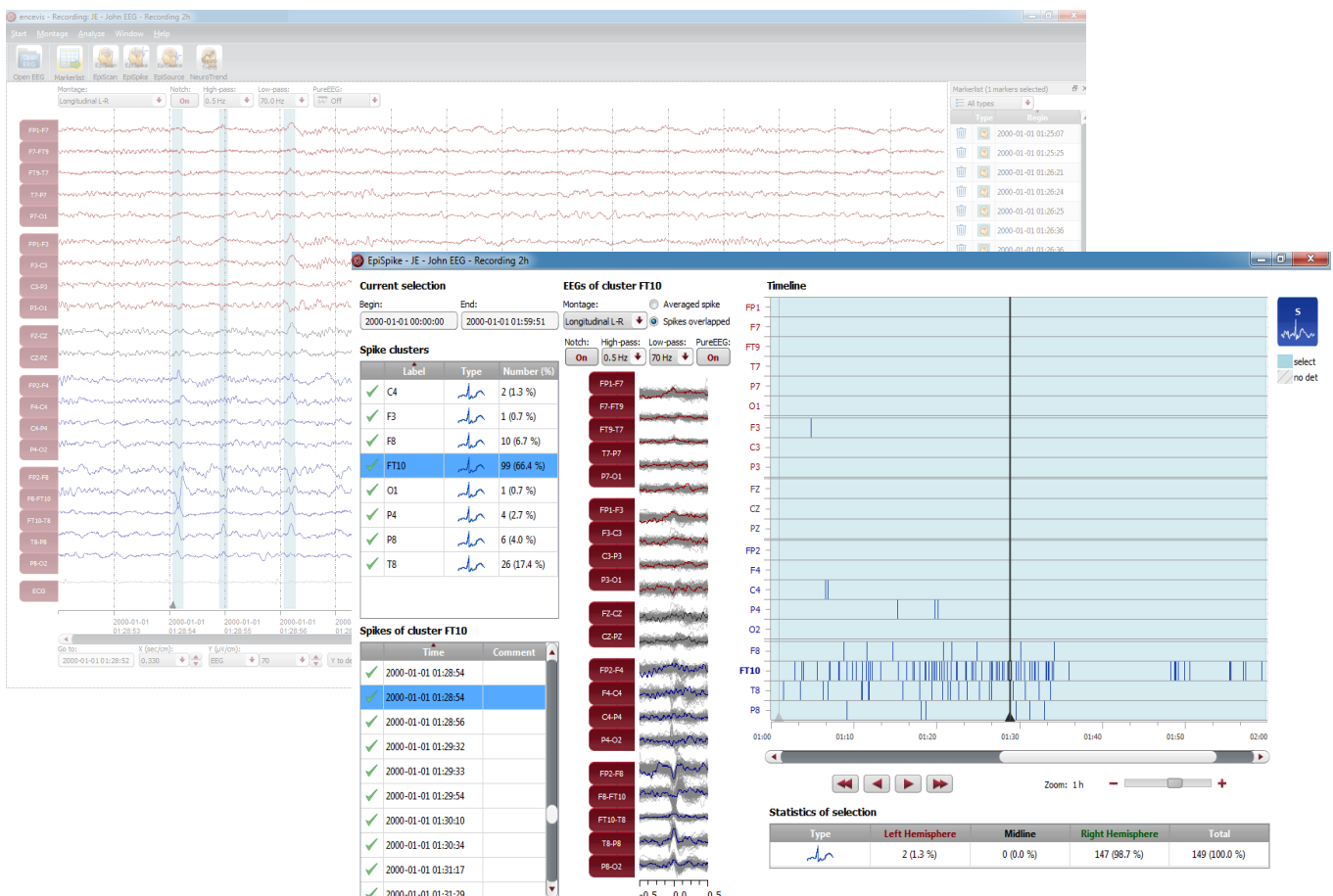




High performance spike detection

Do your patient's EEG show epileptiform discharges? Where are they located? How often do they occur? Get a reliable answer to these important questions within minutes.

Detecting spikes is an important step in both epilepsy diagnosis and pre-surgical workup. Counting spikes by hand is extremely time consuming. More patients within tighter budgets often prohibit a thorough analysis. EpiSpike will help you to speed up this process. EpiSpike scans through the data and shows you the results on one screen. You can then easily review all the detected spikes. It's fast, it's easy, it's reliable.



EpiSpike

High performance spike detection



High sensitivity and specificity

EpiSpike detects spikes and sharp waves with a very high sensitivity combined with a very high specificity. The detections are shown clustered on a timeline and in marker lists together with their EEGs. This enables you to quickly review all the spikes in your recording.



Spike clustering by localization

EpiSpike clusters the detected spikes by their localization and shows the detections over all electrodes on a timeline. This enables you to get a good overview where and when spikes occurred. You may zoom in and out from 5min up to 24h. For each cluster, you can see the average spike or all the EEGs overlapped.



Quick and easy review

Select the way you prefer to work: with the marker lists or on the timeline, with the mouse or the keyboard. The EEG is always shown automatically. Select the time interval you want to focus on and save even more time. You may stop your review anytime and continue later, your results are automatically saved.



Spike statistics

You would like to know how often the spikes occurred in a specific period of time? EpiSpike counts the spikes for each cluster for any time interval you may define. An overall statistics is also shown to provide you with an easy left/right comparison.

CONTACT

AIT Austrian Institute of Technology GmbH
Digital Safety & Security Department
Donau-City-Straße 1, 1220 Vienna
www.encevis.com | www.ait.ac.at

Ana Magdalena Skupch

T: +43 50500 4249
F: +43 50550 4125

Ana.Skupch@ait.ac.at



encevis EpiSpike is not yet certified by the FDA