COMPUMEDICS® Neuroscan

CURRY® NEWSLETTER

May 10, 2024 / Vol 2

CURRY® NEWSFLASH

- **CURRY® workshop update**
- **CURRY® how-to channel**
- **Virtual demos**
- **NeuroTalks Webinar**

The CURRY group would like to thank everyone who attended another successful CURRY workshop March 18-22.
This workshop was primarily research focused, covering the typical research workflow from data acquisition to statistics and everything in between. Our participants came prepared with lots of great questions about how the software can improve their work. Our CURRY team is dedicated to answering your questions and hearing your feedback as you navigate your own data, so please send any inquiries to CURRY9help@neuroscan.com.

Compumedics/Neuroscan now has a dedicated CURRY YouTube channel where we will be posting our instructional **CURRY In a Hurry videos**. This channel will host these short instructional videos for new users who are learning how the CURRY interface works and, seasoned users who need a refresher for specific functions in their workflow. We will be growing this library of content alongside our newsletter, so please keep an eye out for upcoming posts.

Compumedics/Neuroscan is now offering live virtual demonstrations of our newest products and capabilities, applicable to both the clinical and research markets. CURRY 9 offers our highest clinical utility to date, bringing Phase I & II data together in an intuitive and cohesive manner, and elevating confidence in patient care. If you would like to schedule a virtual demonstration on one of the following topics, please send a request to **CurryMarketingGroup@compumedicsusa.com**

- **CURRY 9 clinical workflow, including Phase I & II**
- **CURRY Netstreaming project now available in Python**
- **Okti EEG Amplifier, a high-density wireless amplifier**

We had great success in our inaugural NeuroTalks webinar. **Dr Bin He** and **Dr John Ebersole** both gave thoughtful examinations of the current state of epilepsy research and clinical practices.
The second NeuroTalks webinar will be held on May 24th. Please see the details in the NeuroTalks announcement section.

CURRY® NeuroTalks Announcements

We proudly present the **quarterly CURRY Webinar series, NeuroTalks,** focusing on sharing research and clinical practices around epilepsy and other primary brain disorders, facilitating communications among scientists and clinicians and inspiring new advancements within their fields.

Our next webinar will be held on

May 24th, 2024

1:30PM EDT (10:30AM PDT)

Please mark your calendar and click **REGISTER** to complete your registration.

Register Now

CURRY® UPDATES

Version 9.0.2.8

Each CURRY version release includes important feature updates and hotfixes that improve the stability of the software and extend the capabilities of the tools and/or your user experience. For a full list of enhancements and issues addressed in CURRY 9.0.2.8, please see the **release notes**. If you are affected by any of the issues fixed in this version of this hotfix, please contact the **CURRY 9 helpdesk** (curry9help@neuroscan.com).

Click the **check for updates** to access the CURRY 9patches (excluding hotfixes).

Summary of major updates:

- **Support for Okti® 32, 64, and 128 channel amplifiers.** Compumedics' newest amplifier, the portable, wireless and high-definition Okti, is now supported in CURRY.
- **Shared-databases with revision control.** Users can now work on a copy of a CURRY database and any changes made will be updated automatically across all instances. Revision control allows users to maintain a detailed log of changes.
- **Support for latest generation digitizer devices.** CURRY now supports the optical digitizers NDI Polaris Vega and Polaris Lyra.

CURRY® NeuroTalks Speaker

Benjamin Brinkman, Ph.D

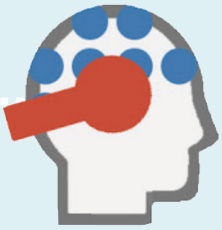
Professor of Neurology and Associate Professor of Biomedical Engineering at the Mayo Clinic in Rochester Minnesota.

"EEG Source Localization: Technical Considerations and Correlation with Intracranial Monitoring"

Abstract:

EEG source localization identifies the anatomic locations of the sources of neural signals in the brain using a model of the head and electrical properties of the brain and intervening tissues. This technique leverages the relative advantages of EEG (low cost, millisecond temporal resolution) and structural MRI (anatomic detail and tissue contrast) to produce a functional map of the most likely sources of neural activity measured via EEG for patients with drug resistant epilepsy undergoing presurgical evaluation. These maps can be used to guide the placement of electrodes for invasive EEG monitoring, or to guide therapeutic options. This talk will review important technical and practical considerations of performing EEG source localization in clinical practice, and will present data on the correlation of this technique with subsequent invasive EEG monitoring.

CURRY in a Hurry



Quick Tips to Optimize your use

Did you know that CURRY 9 is equipped with a template matching feature that can extract multiple spike types in a single patient?

For a detailed demonstration, see this
CURRY 9 - Template Matching (youtube.com)
in our knowledge base playlist.

Watch Video ▶

Did you also know that CURRY has simple to use features for manually marking and categorizing spikes?

For a detailed demonstration, see this
CURRY 9 - Manual Event Marking (youtube.com)
in our knowledge base playlist.

Watch Video ▶

Customer Publications

158 publications since Jan 2023, according to Google Scholar:

Selected publications:

Kokkinos, V. (2024).
Interpretation of the Intracranial Electroencephalogram of the Human Hippocampus.
Neurosurgery Clinics, 35(1), 73-82.

Read More ▶

Smith, K. M., Starnes, D. K., Brinkmann, B. H., So, E., Cox, B. C., Marsh, W. R., ... & Wong-Kisiel, L. C. (2023).
Stereo-EEG localization of midline onset seizures on scalp EEG.
Epilepsy Research, 193, 107162.

Read More ▶

Customer Story

Report from the field:

Distinguished Professor CT Lin, Yiqun Duan, and Jinzhou Zhou have published recent works that have caught the eye of media. Their work used an **AI model called DeWave** to translate EEG brainwave signals into speech. This advanced technology could someday greatly improve the lives of those with motor or language difficulties.

For the story details, click:

AI and EEG Transform Silent Thoughts to Text - Neuroscience News

Read More ▶

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For more information or if you have questions, please contact CurryNewsletter@compumedics.com