

Commercialization of a Monitor to Assess Neurological Health in Neonates

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Challenge/Problem:

Neurological monitoring of newborns in intensive care could improve outcomes, but is limited or not available at most hospitals due to the lack of expertise in EEG monitoring.

Approach:

Develop a monitor that can automatically assess the neonatal EEG in order provide a simplified indication of neurological status for bedside care providers.

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Current Product: **Component Neuromonitoring System**

The CNS Monitor is a portable system that records EEG, video, and other physiological data from multiple monitoring sources. Customized monitoring protocols and embedded reference information guide the user through the monitoring session.

For more information, visit:

www.dayonemedical.com



CNS Monitor

Future Plans:

We plan to complete the clinical studies necessary to obtain FDA regulatory clearances for our neonatal neuro assessment metric (the N3 Index) and neonatal seizure detection algorithm.

Collaboration/Partnering Opportunities:

- Interested to collaborate in clinical studies or data analysis projects involving neonatal EEG.
- Interested to collaborate in clinical studies (all age groups) that involve multi-modality data collection in an ICU, OR, or ER environment. The CNS Monitor can be customized to include specific study protocols and collect all data from the desired monitoring devices.

Keywords: neonatal EEG monitoring data collection