

Measurement of Intracranial Electrical Activity for Status Epilepticus

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ICD-10 C&M Committee Meeting

Ceribell, Inc.

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Status Epilepticus

- What it is
 - Status Epilepticus is a condition of prolonged seizure activity
 - American Clinical Neurophysiology Society defines it as:
 - An electrographic seizure ≥ 10 continuous minutes or for a total duration of $\geq 20\%$ of any 60-minute window
- Risks and severity
 - Status Epilepticus is a medical emergency that requires urgent diagnosis and treatment in order to prevent long term brain injury

Background and Clinical Need

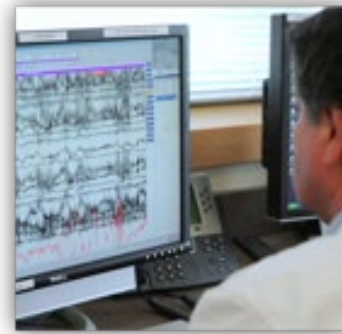
- Guidelines (NCS, AHA, Joint Commission) recommend prompt EEG for at-risk patients to quickly diagnose and manage seizure and status epilepticus
- Challenge of standard of care: Cumbersome technology and reliance on specialists significantly delays the time to getting the EEG study result



Specialized EEG technician for setup



Large equipment that is not residing in the ICU/ED



Specialized neurologist for complex data interpretation

Ceribell Status Epilepticus Monitor



1 Ceribell EEG Headband for S.E. detection and monitoring

- Single use per patient headband
- Acquires EEG signal

2 Ceribell EEG Recorder

- Record clinical quality EEG and display on device

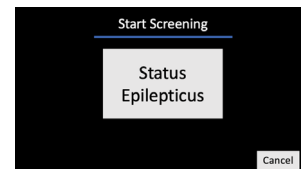
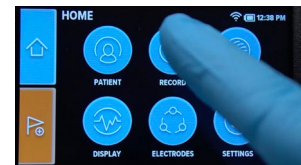
3 Ceribell S.E. Monitoring Software

- Cloud-based AI algorithm
- Real time data streaming

Ceribell Status Epilepticus Monitor | Procedure

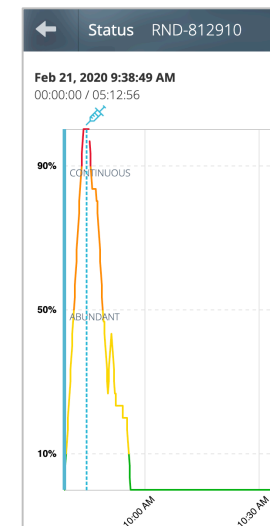
The bedside clinician:

- Sets up the headband on the patient
- Connects the headband to the recorder
- Selects “record” on the recorder to begin an EEG study
- Selects “Status Epilepticus” to begin monitoring the EEG for electrographic status epilepticus



Ceribell Status Epilepticus Monitor | Key Benefits

- Reduce overtreatment
 - Bedside physicians often empirically treat while waiting for EEG reading results
- Continuous monitoring reduces delay in appropriate treatment
 - Status epilepticus treatment could still be delayed due to lack of continuous monitoring or waiting for reading results
- Precise treatment
 - Device provides real-time feedback on medication effectiveness



Medical Record Documentation

- Documentation of status epilepticus monitoring will be included in the medical record
- Typical terms used for the Ceribell Status Epilepticus Monitor:
 - Ceribell Status Epilepticus Monitor
 - Status Epilepticus Monitor
 - Rapid EEG Status Epilepticus Monitor
 - Point of Care Status Epilepticus Monitor