

Nicolet™ Monitor

Efficient, focused brain monitoring for neonates to adults



Care provided to patients with brain injuries has steadily improved because of recent advances in brain monitoring technology. When patients sustain a traumatic brain injury, the first sign of damage can be just the beginning. Patients suffering from brain trauma require close neurologic monitoring and early intervention to prevent secondary injury.

Advances in brain monitoring technology have given clinicians the ability to perform more precise, quantifiable neurologic assessments and better track the progress of patients.

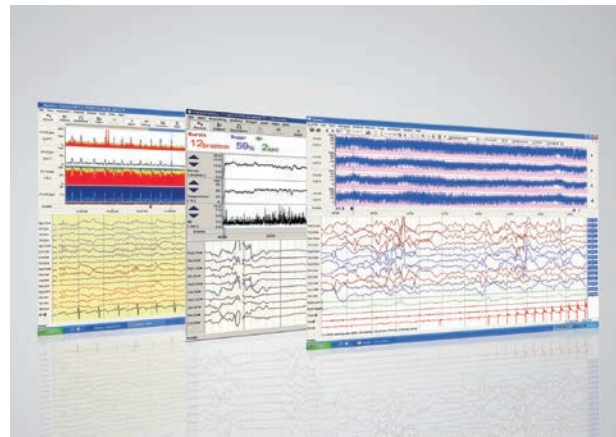
Benefits/Features:

- Neonatal to Adult
- Assists in diagnosis of patient's cerebral function
- Online observation can help the physician identify irreversible brain damage
- Trends quickly identify pathological signals for immediate intervention
- aEEG trend and alerts triggered by clinical events provide ICU staff with necessary data
- Customizable protocols for NICU, Neuro ICU, Stroke, Trauma and Cardiovascular ICUs

Worldwide brain injury is the leading cause of death and disability.¹ Based on current census reports, it is estimated that TBI claims approximately 1,165,000 lives per year.² The human toll of brain injury - loss of life, identity, relationships, and employment - is incalculable.

The technology for brain trauma and diagnosing seizures

The Nicolet™ Monitor is a wall-mounted or cart-based system designed for the increasing demands of a busy ICU. Its innovative touchscreen interface simplifies daily operation and the easy to use protocols reduce set up time.



Additional Capabilities:

- Integrates data from vital signs monitors
- Continuous impedance monitoring checks signal quality and indicates which electrodes need attention
- Alerts are attached to major events with automatic notifications
- Network connectivity allows for easy export of data for further analysis and research
- Sends immediate notice via PDA/Mobile
- All necessary raw EEG data is stored for complete neurological diagnosis
- Tests regions of the brain, identifies focal activity and performs a full range of EEG functions without the use of additional equipment
- Monitors other functions such as EKG, respiration and temperature, allowing observation of sleep patterns
- Remote analysis capabilities

1 The International Brain Injury Association.
<http://www.internationalbrain.org/media/mediaFacts.html>.

2 The International Brain Injury Association. The Organization.
The Issue. <http://www.internationalbrain.org/organization/orgProb.html>.

Nicolet™

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