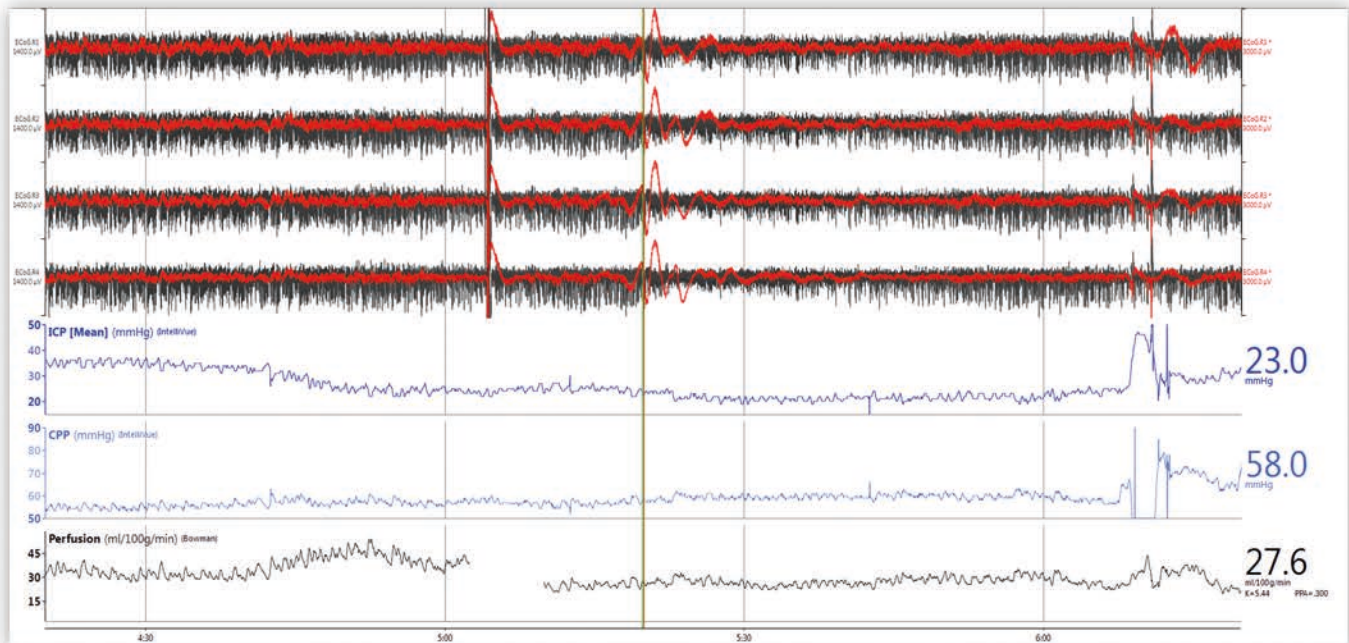


EEG in Critical Care:

the Importance of Spreading Depolarizations

"The **CNS** provides time-synchronized integration of the full complement of continuously monitored variables captured from various bedside monitors, offering unprecedented opportunity for characterization of the 'ICU physiome'.¹



Erfüllt die besonderen Anforderungen zur Erforschung und Aufzeichnung von cortical spreading depolarizations

"...spreading depolarizations recur repetitively in many operative patients with acute brain injury and often cause deterioration of cortical function and metabolism, including lesion progression."¹

"Depolarizations appear to be triggered by relative energy shortage in focal perilesional hotspots and thus signal cortical vulnerability and ongoing secondary injury, even when other neuromonitoring variables (ICP and CPP) are in acceptable ranges."¹

"The occurrence and diverse patterns of spreading depolarizations...provide a basis for personalized, mechanistically targeted therapy."¹

1. Hartings, J. A. (2017). Spreading depolarization monitoring in neurocritical care of acute brain injury. *Curr Opin Crit Care*, 23(2), 94-102.

CNS EEG

Das einzige EEG System speziell entwickelt für die ICU

- Die einzige Technologie welche es ermöglicht, zeitsynchronisiert Daten von über 30 allgemein verwendeten Modalitäten der ICU zu integrieren
- Kompatibel mit Persyst und anderer 3rd Party Software
- Die erste Wahl bei der Aufzeichnung von cortical spreading depolarizations



Der Screenshot wurde uns zur Verfügung gestellt von Brandon Foreman, MD, University of Cincinnati

