A Simplified EEG Montage and Interpretation for Evaluation of Comatose Patients in the ICU

OBJECTIVES
1. Assess reliability of intensivist interpretation on specific EEG patterns.
2. Evaluate feasibility of performing simplified EEG by a trained intensivist.

RESULTS
36 ICU Patients
Median SAPS II 60
Median Age 53
72% Male

- Encephalitis
- Delayed awakening
- Seizures
- Anoxic Encephalopathy

Percentage of non-expert intensivists with acceptable reliability:
87% minimum background frequency
95% maximum background frequency
95% isoelectric background

CONCLUSION
Intensivists can learn EEG background activity and to identify burst suppression and isoelectric background after a short educational session.


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