

# Cerebral and cardiac signal monitoring in fetal sheep with hypoxic-ischemic encephalopathy

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# Propositions

1. Developers of clinical algorithms should draw upon machine learning techniques and representative databases for algorithm development.
2. Interval-based ECG markers are more robust to inter-subject variation in heart position and instrumentation than waveform-based ECG markers.
3. Taking development of EEG signal characteristics over time into account aids in detecting seizures that would otherwise be missed.
4. Heart rate mediated baroreceptor reflex function is negatively affected by hypoxic-ischemic encephalopathy.
5. Alarm fatigue is at least as dangerous to patient health as a lack of alarms.
6. Given the increasing role of technology in clinical practice, medical students should be taught the fundamentals of medical technology.
7. Any system that on close inspection might appear chaotic can behave orderly when viewed from a distance.
8. Computer assisted analysis of electro-physiological signals improves assessment of an infant's condition by physicians.