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BioDASh

Biosignals Data Aggregation and Synchronization

About

BioDASh is a biomedical data aggregation and synchronization platform to seamlessly integrate multi-modal signals from both wired and wireless medical devices. By streamlining the entire process from data acquisition to analysis and storage, BioDASh allows healthcare to monitor, manage, and analyze patient data in real-time from any location.

Key Features:

- Integration of data from medical sensors and devices with various interfaces (Bluetooth, USB, Analog, Ethernet, etc.)
- Synchronization of biosignals with an excellent accuracy of 50 to 100ms
- Rapid integration of new sensors as they emerge, regardless of the manufacturer
- Secure data transfer and storage in the cloud using the Integrated Exam Transfer Tool (ETT)
- Interface with well-known Electronic Health Records (EHRs) – In development

Clinical Impact:

BioDASh has proven its operational viability by considerably reducing data acquisition and analysis time at the Montreal Children's Hospital NICU. This platform will enable faster, holistic clinical decisions, ultimately improving patient outcomes.

Business Potential:

BioDASh offers a holistic view of patients by aggregating and synchronizing multimodal data. This integration of diverse signals enables actionable insights that can only emerge through such comprehensive data synthesis.