

COMPANY – HOLBERG EEG

Holberg EEG is a company established in 2009, in Bergen, Norway, with main focus on taking clinical and research use of electroencephalography (EEG) to the next level and into the 21st century.

For several years Holberg EEG has worked in close collaboration with a consortium of EEG experts from Europe to establish a new standard for describing clinical electroencephalograms (EEG). This has resulted in SCORE - Standardised Computer-based Organised Reporting of EEG.

Holberg EEG deliver the first computer program based on the SCORE-standard, supported by the “International League against Epilepsy” and the “International Federation of Clinical Neurophysiology”.

BACKGROUND

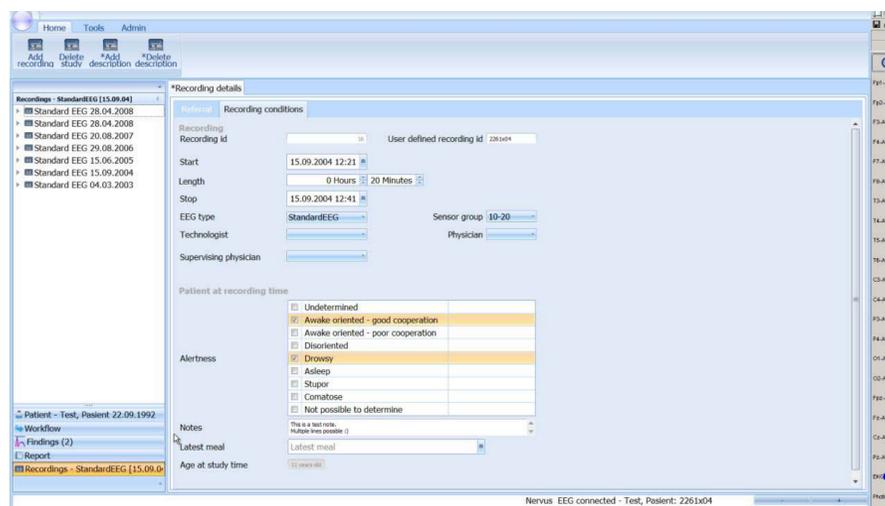
The electroencephalography (EEG) signal has a high complexity, and the process of extracting clinically relevant features is achieved by visual analysis of the recordings. The interobserver agreement in EEG interpretation is only moderate. This is partly due to the method of reporting the findings in free-text format.

The purpose of our endeavor has been to create a computer-based system for EEG assessment and reporting, where the physicians would construct the reports by choosing from predefined elements for each relevant EEG feature, as well as the clinical phenomena (for video-EEG recordings).

A consortium of EEG experts from fourteen European nations has been working together on the standardisation since 2010, and a new Standardized Computer-based Organized Reporting of EEG (SCORE) was published in the June 2013 edition of Epilepsia ¹.

In 2014 the SCORE consortium has expanded to also include members from USA and Asia, and the aim is to publish a global standard within 2016.

SOFTWARE – SCORE EEG



PARTNERS



TEAM



One main competitive advantage is the combination of knowledge in the development and operational team. Our key resources have a combination of medical and technical knowledge. Dr. Aurlien and Dr. Brøgger are both Clinical Neurophysiologists, PhD's and programmers. The team also includes CTO, sales and marketing manager, and junior software developers.

REFERENCES

1. Beniczki, Aurlien et al, 2013 Mar 18. doi:10.1111/epi.12135