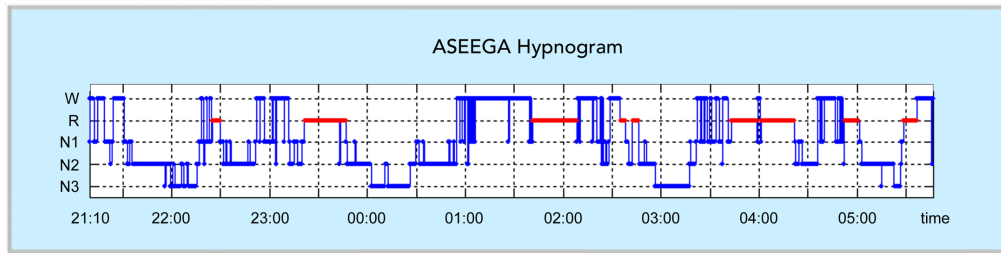


AseegaOnline

Sleep Analysis Service



www.AseegaOnline.com

- Sleep staging
- Sleep parameters
- Spectral analysis
- Spindle detection and analysis

Automatic

Objective

Reproducible

PHYSIP

Physiological Signal Processing Research

Reliability

Clinical validation in healthy subjects

Scoring agreements Wake / Sleep : 96 %
Wake / REM / NREM : 92 %
W / R / N1 / N2 / N3 : 83 %

Sleep 2007;30:1587-95

Clinical evaluation in patients

Scoring agreements Wake / Sleep > 94 %
Wake / REM / NREM > 88 %

Journal of Sleep Research 2006;15:P295

Extensive clinical validation in patients in progress

Used in cutting-edge sleep research: Science 2009;324:516-9

100% reproducible

Adaptability

AASM and R&K compatible staging and definitions of events and sleep parameters

Compatible with most EEG recording devices and specifications

Requires one EEG only, extracted from either **full PSG data** or a **single EEG channel** according to your practice and possibilities

1000 analyses/day processing capacity

Quality & Security

Dedicated Internet platform with secure data management

Software validation process in progress: GCP, GLP and CE/FDA regulations

Careful quality management

Applications

Current applications

- Sleep studies
- Sleep-related studies: cardio *Sleep* 2009;32:A374, ageing...
- Objective reference for multi-scorer or multi-site studies

Potential applications

- **Subject selection** for studies incl. clinical studies
- Long term sleep monitoring
- Out-of-the-lab studies

Personalized service

Thorough analysis of your needs - follow up of your results

Customizable analysis, from basic wake/sleep staging to in-depth scoring and microstructure characterization

Results in the format that best suits your needs, from pdf reports to numerical files for subsequent statistical analysis

Technical expertise and consulting on data acquisition

If you need more information, please visit us or contact us:

www.AseegaOnline.com

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What is Aseega ?

Aseega is a sleep analysis technology based on electroencephalogram (EEG) signal processing. Aseega is the result of 35 years of ongoing research. Our software solutions constantly improve and expand towards real-time monitoring, sleep onset detection and wake EEG analysis including vigilance and drowsiness monitoring, objective tests of sleepiness.

Who is Physip ?

PHYSIP is a European research unit developing innovative biomedical solutions using cutting-edge digital signal algorithms.

Our main expertise and activity is the analysis of the EEG, using EEG only and only one EEG, for the study and monitoring of sleep and vigilance.

Why an online web service ?

Compared to off-the-shelf software, the online web service frees you from the hassle of updates and maintenance. It also enables *à la carte* pricing — not the least of its advantages.

Partnerships

The expertise of PHYSIP is reinforced by strong collaborations with academic, clinical and industrial partners :

- Prof. Odile Benoit, MD, PhD, Paris, France
- Prof. Pierre Maquet, MD, PhD, Cyclotron Research Centre, Liège, Belgium
- Prof. Pierre Philip, MD, PhD, Sanpsy research unit, Bordeaux, France
- Christina Schmidt, PhD, Universitäre Psychiatrische Kliniken, Basel, Switzerland
- Jérémie Mattout, PhD, Inserm Brain Dynamics and Cognition, Lyon, France
- Prof. Marie-Pia d'Ortho, MD, PhD, Mondor/Bichat Hospitals, Paris, France
- French Ministry of Defense research labs (IRBA)
- HRA Pharma – Dr. André Ulmann, CEO, MD, PhD