Resource Summary Report

Generated by NIF on May 10, 2025

SleepTrip

RRID:SCR_017318

Type: Tool

Proper Citation

SleepTrip (RRID:SCR_017318)

Resource Information

URL: https://sleeptrip.org

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Description: Software as branch of FieldTrip with added functionality for sleep analyses, like calculating sleep tables, descriptives, ploting hypnograms, detecting slow waves, sleep spindles, REMS and their cooccurrence etc.

Synonyms: SpiSOP

Resource Type: software resource, data analysis software, software application, data processing software

Keywords: slow, wave, oscillation, spindle, cooccurrence, rapid, eye, movements, sleep table, hypnogram

Funding:

Availability: Free, Available for download, Freely available

Resource Name: SleepTrip

Resource ID: SCR_017318

Alternate URLs: https://github.com/Frederik-D-Weber/sleeptrip

License: GNU GPL

License URLs: https://github.com/Frederik-D-Weber/sleeptrip/blob/master/COPYING

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250509T060243+0000

Ratings and Alerts

No rating or validation information has been found for SleepTrip.

No alerts have been found for SleepTrip.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Kurz EM, et al. (2024) Development of slow oscillation-spindle coupling from infancy to toddlerhood. Sleep advances: a journal of the Sleep Research Society, 5(1), zpae084.

Boon ME, et al. (2024) The daily reciprocal associations between electroencephalography measured sleep and affect. Journal of sleep research, e14258.

Champetier P, et al. (2024) Multimodal neuroimaging correlates of spectral power in NREM sleep delta sub-bands in cognitively unimpaired older adults. Sleep.

Hanert A, et al. (2024) Reduced overnight memory consolidation and associated alterations in sleep spindles and slow oscillations in early Alzheimer's disease. Neurobiology of disease, 190, 106378.

Miao X, et al. (2023) Sleep consolidates stimulus-response learning. Learning & memory (Cold Spring Harbor, N.Y.), 30(9), 175.

Champetier P, et al. (2023) Age-related changes in fast spindle clustering during non-rapid eye movement sleep and their relevance for memory consolidation. Sleep, 46(5).

Bastian L, et al. (2022) Spindle-slow oscillation coupling correlates with memory performance and connectivity changes in a hippocampal network after sleep. Human brain mapping, 43(13), 3923.

Beck J, et al. (2022) Stress dynamically reduces sleep depth: temporal proximity to the stressor is crucial. Cerebral cortex (New York, N.Y.: 1991), 33(1), 96.

Weber FD, et al. (2021) Coupling of gamma band activity to sleep spindle oscillations - a combined EEG/MEG study. NeuroImage, 224, 117452.

Spanò G, et al. (2020) Sleeping with Hippocampal Damage. Current biology : CB, 30(3), 523.