

Resource Summary Report

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Muse: Portable Scalp EEG Device (Muse S Athena)

RRID:SCR_014418

Type: Tool

Proper Citation

Muse: Portable Scalp EEG Device (Muse S Athena) (RRID:SCR_014418)

Resource Information

URL: <http://www.choosemuse.com>

Proper Citation: Muse: Portable Scalp EEG Device (Muse S Athena) (RRID:SCR_014418)

Description: It is a portable scalp electroencephalography (EEG) system that can be used to measure brain activity. It is battery powered and has four active electrodes located at 10-20 coordinates TP9, AF7, AF8, and TP10, a common mode reference, and a driven right leg. It includes an accelerometer and gyroscope, and works with desktop and mobile EEG acquisition and visualization software. Muse 2 expands upon the first model with increasingly robust hardware.

Synonyms: , Muse 2, Muse: the brain sensing headband

Resource Type: instrument resource, mobile app, software application, software resource

Defining Citation: [DOI:10.1371/journal.pone.0130129](https://doi.org/10.1371/journal.pone.0130129)

Keywords: portable, scalp electroencephalography, brain activity, mobile app, data acquisition software, data analysis software

Funding: Ontario Centres of Excellence ;
Natural Sciences and Engineering Research Council of Canada

Availability: Public, Commercial product, Headband requires purchase, App is free

Resource Name: Muse: Portable Scalp EEG Device (Muse S Athena)

Resource ID: SCR_014418

License: End User License Agreement, This software is for information purposes only and is not intended to be used for any other purpose including medical or diagnostic related purposes

License URLs: <http://www.choosemuse.com/legal/>

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260912T195816+0000

Ratings and Alerts

No rating or validation information has been found for Muse: Portable Scalp EEG Device (Muse S Athena).

No alerts have been found for Muse: Portable Scalp EEG Device (Muse S Athena).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 326 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Nguyen V, et al. (2025) Patient out-of-pocket costs for guideline-recommended treatments for erectile dysfunction: a medicare cost modeling analysis. International journal of impotence research, 37(1), 45.

Duggan MR, et al. (2025) The Dementia SomaSignal Test (dSST): A plasma proteomic predictor of 20-year dementia risk. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(2), e14549.

Reinier K, et al. (2025) Observational study of sudden cardiac arrest risk (OSCAR): Rationale and design of an electronic health records cohort. International journal of cardiology. Heart & vasculature, 56, 101614.

Wang JR, et al. (2025) The Association Between Thyroid Differentiation Score and Survival Outcomes in Papillary Thyroid Carcinoma. The Journal of clinical endocrinology and metabolism, 110(2), 356.

Lin J, et al. (2025) Targeting the USP7-CDK1 axis suppresses estrogen receptor-positive breast cancer progression. Cancer cell international, 25(1), 60.

Al-Alusi MA, et al. (2025) A deep learning digital biomarker to detect hypertension and stratify cardiovascular risk from the electrocardiogram. NPJ digital medicine, 8(1), 120.

Joynes CM, et al. (2025) Sex differences in the trajectories of plasma biomarkers, brain atrophy, and cognitive decline relative to amyloid onset. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(1), e14405.

Dong Y, et al. (2025) Chemical shift-encoded multishot EPI for navigator-free prostate DWI. *Magnetic resonance in medicine*, 93(3), 1059.

van de Leur RR, et al. (2025) Altered circadian rhythmicity of the QT interval predicts mortality in a large real-world academic hospital population. *Heliyon*, 11(1), e41308.

Peretti E, et al. (2025) Assessing the Conservation Priority of Alpine Carabid Beetle Communities by Mapping the Index of Natural Value (INV) in Natura 2000 Habitats in the Brenta Dolomites (Italian Alps). *Insects*, 16(6).

Croze M, et al. (2025) Genomic diversity and structure of prehistoric alpine individuals from the Tyrolean Iceman's territory. *Nature communications*, 16(1), 6431.

Tarara P, et al. (2025) Motor imagery-based brain-computer interfaces: an exploration of multiclass motor imagery-based control for Emotiv EPOC X. *Frontiers in neuroinformatics*, 19, 1625279.

Ninomiya K, et al. (2024) Development of a non-destructive depth-selective quantification method for sub-percent carbon contents in steel using negative muon lifetime analysis. *Scientific reports*, 14(1), 1797.

Li J, et al. (2024) Comparison of single-shot, FOCUS single-shot, MUSE, and FOCUS MUSE diffusion weighted imaging for pulmonary lesions: A pilot study. *Heliyon*, 10(15), e35203.

Duggan MR, et al. (2024) Proteomics identifies potential immunological drivers of postinfection brain atrophy and cognitive decline. *Nature aging*, 4(9), 1263.

Shaffer BC, et al. (2024) Artificial intelligence enabled interpretation of ECG images to predict hematopoietic cell transplantation toxicity. *Blood advances*, 8(21), 5603.

Testoni SGG, et al. (2024) Transoral Incisionless Fundoplication Leads to Esophageal Mucosa Healing in Responder Patients Followed up to 2 Years, as Documented by Esophageal Mean Nocturnal Baseline Impedance. *Journal of neurogastroenterology and motility*, 30(4), 437.

J??rvensivu-Koivunen M, et al. (2024) Predicting long-term risk of sudden cardiac death with automatic computer-interpretations of electrocardiogram. *Frontiers in cardiovascular medicine*, 11, 1439069.

Da Re D, et al. (2024) VectAbundance: a spatio-temporal database of Aedes mosquitoes observations. *Scientific data*, 11(1), 636.

Niavarani A, et al. (2024) The role of distinct APOBEC/ADAR mRNA levels in mutational signatures linked to aging and ultraviolet radiation. *Scientific reports*, 14(1), 15395.