

Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

MoTrak Head Motion Tracking System

RRID:SCR_009607

Type: Tool

Proper Citation

MoTrak Head Motion Tracking System (RRID:SCR_009607)

Resource Information

URL: <http://www.pstnet.com/software.cfm?ID=96>

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Description: Designed for use in an MRI simulator, MoTrak software uses Ascension Technology's Flock of Birds. The sensor attaches to the subject's head and determines the position of the head in space relative to the transmitter. The sensor records angular rotations as well as positional displacements from an initially calibrated position. This information is displayed and logged by the program in real-time, allowing observation of head motion in an MRI simulator. In the simulator, the participant can simultaneously be habituated to the MRI environment, while being trained to remain still via feedback from the MoTrak system.

Abbreviations: MoTrak

Synonyms: MoTrak - Head Motion Tracking System

Resource Type: resource, software resource

Keywords: experiment control, hardware, microsoft, magnetic resonance, training, win32 (ms windows), windows, windows vista, windows xp, instrument, equipment

Resource Name: MoTrak Head Motion Tracking System

Resource ID: SCR_009607

Alternate IDs: nlx_155815

Alternate URLs: <http://www.nitrc.org/projects/motrak>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260905T133003+0000

Ratings and Alerts

No rating or validation information has been found for MoTrak Head Motion Tracking System.

No alerts have been found for MoTrak Head Motion Tracking System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Mitchell JL, et al. (2025) Small or absent Visual Word Form Area is a trait of dyslexia. bioRxiv : the preprint server for biology.

Mitchell JL, et al. (2025) The balance between stability and plasticity of the visual word form area in dyslexia. Nature communications, 17(1), 368.

Stone HL, et al. (2025) Anatomically distinct regions in the inferior frontal cortex are modulated by task and reading skill. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(19).