

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

MOCA

RRID:SCR_015524

Type: Tool

Proper Citation

MOCA (RRID:SCR_015524)

Resource Information

URL: http://www.nitrc.org/projects/moca_2015/

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Description: Collection of software tools for the computational analysis of brain anatomy with MRI data. It includes automated software tools from surface reconstruction to their mapping via metric optimization in the Laplace-Beltrami embedding space. It is general and can be applied to a wide range of anatomical structures including cortical, sub-cortical, and fiber bundle surfaces.

Synonyms: Metric Optimization for Computational Anatomy (MOCA), Metric Optimization for Computational Anatomy

Resource Type: software resource, software toolkit

Keywords: computational analysis, brain anatomy, mri data, laplace-beltrami embedding space, metric optimization

Funding: NIBIB K01EB013633;
NIBIB P41EB015922

Availability: Available for download, Runs on Windows, Runs on Linux, Free

Resource Name: MOCA

Resource ID: SCR_015524

License: MOCA License

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260905T133300+0000

Ratings and Alerts

No rating or validation information has been found for MOCA.

No alerts have been found for MOCA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Lynch KM, et al. (2021) Selective morphological and volumetric alterations in the hippocampus of children exposed in utero to gestational diabetes mellitus. Human brain mapping, 42(8), 2583.