

Resource Summary Report

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CARNet TFA Function

RRID:SCR_027022

Type: Tool

Proper Citation

CARNet TFA Function (RRID:SCR_027022)

Resource Information

URL: <https://www.car-net.org/tools>

Proper Citation: CARNet TFA Function (RRID:SCR_027022)

Description: Software function as Matlab implementation of the TFA as specified in the White Paper (2015). An example of use on the supplied data (tfa_sample_data.txt) is given in tfa_demo.m and results are reported at the end of this report.

Synonyms: , Matlab TFA function, Cerebral Autoregulation Research Network Transfer Function Analysis Function

Resource Type: software application, software resource

Defining Citation: [DOI:10.1177/0271678X15626425](https://doi.org/10.1177/0271678X15626425)

Keywords: Cerebral Autoregulation Research Network, Transfer Function Analysis, Matlab TFA function,

Availability: Free, Freely available,

Resource Name: CARNet TFA Function

Resource ID: SCR_027022

Record Creation Time: 20250604T055934+0000

Record Last Update: 20260905T133537+0000

Ratings and Alerts

No rating or validation information has been found for CARNet TFA Function.

No alerts have been found for CARNet TFA Function.

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](#) .

Chi NF, et al. (2026) Interactions between blood pressure variability, cerebral autoregulation, and covert cerebral small vessel disease in relation to cognitive performance in community-dwelling older adults. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(4), e71329.

Heiberg AV, et al. (2025) Dynamic cerebral autoregulation during and 3 months after endovascular treatment in large vessel occlusion stroke. *Scientific reports*, 15(1), 30289.

Heiberg AV, et al. (2025) Bilateral dynamic cerebral autoregulation assessment during endovascular treatment in large-vessel occlusion stroke. *Experimental physiology*.