Resource Summary Report

Generated by T1D on Aug 3, 2026

centerline

RRID:SCR_002961
Type: Tool

Proper Citation

centerline (RRID:SCR_002961)

Resource Information

URL: http://www.math.uh.edu/~mpapadak/centerline/

Proper Citation: centerline (RRID:SCR_002961)

Description: An application for the automatic segmentation and tracing of three-dimensional neuronal images.

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

Keywords: neuron, tracing

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: centerline

Resource ID: SCR_002961

Alternate IDs: SciRes_000186

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260803T040349+0000

Ratings and Alerts

No rating or validation information has been found for centerline.

No alerts have been found for centerline.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

van Harten LD, et al. (2025) Quantitative Analysis of Small Intestinal Motility in 3D Cine-MRI Using Centerline-Aware Motion Estimation. Journal of magnetic resonance imaging : JMRI, 61(4), 1956.

Kramm T, et al. (2025) Deep learning-based extraction of Kenya's historical road network from topographic maps. Scientific data, 12(1), 1149.

Theis S, et al. (2025) CellMet: Extracting 3D shape and topology metrics from confluent cells within tissues. PLoS computational biology, 21(7), e1013260.

Tintodana K, et al. (2020) Assessment of orthodontic treatment outcome using Peer Assessment Rating (PAR) index among patients with non-syndromic unilateral cleft lip and palate. Journal of orthodontic science, 9, 17.

Gao W, et al. (2018) Automatic Extraction of the Centerline of Corpus Callosum from Segmented Mid-Sagittal MR Images. Computational and mathematical methods in medicine, 2018, 4014213.

Blanco PJ, et al. (2018) Comparison of 1D and 3D Models for the Estimation of Fractional Flow Reserve. Scientific reports, 8(1), 17275.

Noble JH, et al. (2008) Automatic segmentation of the facial nerve and chorda tympani in CT images using spatially dependent feature values. Medical physics, 35(12), 5375.