

Resource Summary Report

Generated by [dkNET](#) on Aug 15, 2026

Hierarchical Region Splitting

RRID:SCR_016398

Type: Tool

Proper Citation

Hierarchical Region Splitting (RRID:SCR_016398)

Resource Information

URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3520032/>

Proper Citation: Hierarchical Region Splitting (RRID:SCR_016398)

Description: Algorithm for computational imaging of MRI data that detects and quantifies ischemic core–penumbra using only a single MRI modality (T2- or diffusion-weighted imaging, T2WI/DWI). It can be used with 3D data on lesions and normal-appearing brain matter (NABM) volumes.

Abbreviations: HRS

Synonyms: Hierarchical Region Splitting (HRS)

Resource Type: algorithm resource, software resource

Defining Citation: [PMID:22929436](#)

Keywords: mri, neuroimaging, modality, t2, diffusion, 3d, brain, lesion, nabm, core, penumbra, computation, hypoxia, ischemic

Availability: Freely available

Resource Name: Hierarchical Region Splitting

Resource ID: SCR_016398

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260815T183003+0000

Ratings and Alerts

No rating or validation information has been found for Hierarchical Region Splitting.

No alerts have been found for Hierarchical Region Splitting.

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 [dkNET](#) .

Jullienne A, et al. (2020) Acute intranasal osteopontin treatment in male rats following TBI increases the number of activated microglia but does not alter lesion characteristics. Journal of neuroscience research, 98(1), 141.