# **Resource Summary Report**

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# Brain lesion segmentation tool using SVM

RRID:SCR\_002583

Type: Tool

## **Proper Citation**

Brain lesion segmentation tool using SVM (RRID:SCR\_002583)

#### **Resource Information**

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

**Proper Citation:** Brain lesion segmentation tool using SVM (RRID:SCR\_002583)

**Description:** Segmentation tool that uses image analysis and machine learning techniques (Support Vector Machines). Image intensities from multiple MR acquisition protocols, after coregistration, are used to form a voxel-wise attribute vector which is used to perform the segmentation. Computer algorithms have started to complement expert-readings of MRI as they may improve throughput and consistency, in addition to providing more accurate quantitative measures of lesion type and volume. Computerized segmentation methods can also offer more precise measurements of longitudinal change of a lesion with disease progression or treatment response.

**Abbreviations:** Brain lesion segmentation tool using SVM

**Synonyms:** Brain lesion segmentation tool using Support Vector Machines

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

**Defining Citation: PMID:23303595** 

**Keywords:** magnetic resonance, brain lesion, image analysis, machine learning, support vector machine

**Funding:** 

Availability: SBIA License, Http://www.nitrc.org/include/glossary.php#501

Resource Name: Brain lesion segmentation tool using SVM

Resource ID: SCR\_002583

Alternate IDs: nlx\_155988

**Record Creation Time:** 20220129T080214+0000

**Record Last Update:** 20250519T203213+0000

## **Ratings and Alerts**

No rating or validation information has been found for Brain lesion segmentation tool using SVM.

No alerts have been found for Brain lesion segmentation tool using SVM.

### **Data and Source Information**

Source: SciCrunch Registry

# **Usage and Citation Metrics**

We have not found any literature mentions for this resource.