

Resource Summary Report

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ITK-SNAP

RRID:SCR_017341

Type: Tool

Proper Citation

ITK-SNAP (RRID:SCR_017341)

Resource Information

URL: <http://www.itksnap.org/pmwiki/pmwiki.php>

Proper Citation: ITK-SNAP (RRID:SCR_017341)

Description: Software as open source, multiplatform tool used to segment structures in 3D medical images.

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

Defining Citation: [PMID:16545965](#)

Keywords: multiplatform, segment, sturcture, 3D, medical, image

Funding: NIBIB R01 EB014346

Availability: Free, Available for download, Freely available

Resource Name: ITK-SNAP

Resource ID: SCR_017341

Alternate URLs: <https://sources.debian.org/src/itksnap/>

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260820T054846+0000

Ratings and Alerts

No rating or validation information has been found for ITK-SNAP.

No alerts have been found for ITK-SNAP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 732 mentions in open access literature.

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

Raiola M, et al. (2026) Quantitative computerized analysis demonstrates strongly compartmentalized tissue deformation patterns underlying mammalian heart tube formation. *eLife*, 14.

Daugherty AM, et al. (2026) Harmonized Protocol for Subfield Segmentation in the Hippocampal Body on High-Resolution In Vivo MRI From the Hippocampal Subfields Group (HSG). *Hippocampus*, 36(2), e70073.

Talakeri A, et al. (2026) Comparative Evaluation of the Accuracy of Two-Dimensional and Three-Dimensional Radiographic Assessment of Bony Defects Before and After Endodontic Surgery. *Cureus*, 18(1), e101835.

Yuan Y, et al. (2026) Prediction of depression development in Parkinson's disease patients: a radiomics-based machine learning study. *BMC neurology*, 26(1).

Luo D, et al. (2026) Differences in iron content between gray matter heterotopia and normal gray matter. *Quantitative imaging in medicine and surgery*, 16(4), 292.

Valenchon M, et al. (2026) Affiliative behaviours regulate allostasis development and shape biobehavioural trajectories in horses. *Nature communications*, 17(1), 47.

Rust R, et al. (2026) Cognitive function in patients with myelin oligodendrocyte glycoprotein antibody-associated disease. *Journal of neurology*, 273(1), 61.

Li Q, et al. (2026) Early identification of refractory *Mycoplasma pneumoniae* pneumonia in children using CT-based radiomics: a multicenter study. *Frontiers in medicine*, 13, 1785817.

Zhu H, et al. (2026) Manual volumetric segmentation of brain hyperintensities on T2-weighted imaging (T2WI) and fluid-attenuated inversion recovery (FLAIR) sequences in children with neurofibromatosis type 1: inter-rater reliability and clinical correlates. *Quantitative imaging in medicine and surgery*, 16(5), 358.

Zeng W, et al. (2026) Association of neurite orientation dispersion and density imaging with cognitive impairment in nasopharyngeal carcinoma patients with radiation-induced temporal lobe injury. *Frontiers in human neuroscience*, 20, 1809205.

Zhong J, et al. (2026) Assessment of Robustness of MRI Radiomic Features in the Abdomen: Impact of Deep Learning Reconstruction and Accelerated Acquisition. *Journal of imaging informatics in medicine*, 39(2), 1181.

Liu T, et al. (2026) Predicting Epileptogenic Tubers in Patients With Tuberous Sclerosis Complex Using a Fusion Model Integrating Lesion Network Mapping and Machine Learning. *Annals of clinical and translational neurology*, 13(5), 972.

Park H, et al. (2026) Endothelial oncogenic KRAS mutation drives the dynamics of microglia and macrophages in brain arteriovenous malformation. *JCI insight*, 11(6).

Zhang B, et al. (2026) Spatially periodic computation in the entorhinal-hippocampal circuit during navigation. *eLife*, 14.

Han Y, et al. (2026) Multiparametric MRI-Derived Habitat Radiomics in Subregional Analysis for Predicting Axillary Lymph Node Metastatic Burden in Breast Cancer. *Technology in cancer research & treatment*, 25, 15330338261416806.

Jin K, et al. (2026) The value of intratumoral and peritumoral ultrasound radiomics in predicting lateral cervical lymph node metastasis in papillary thyroid carcinoma: a multicenter study of five hospitals. *Gland surgery*, 15(3), 68.

Ferrara D, et al. (2026) Sharing a whole-/total-body [18F]FDG-PET/CT dataset with CT-derived segmentations: an ENHANCE.PET initiative. *Scientific data*, 13(1).

Zhang Y, et al. (2026) Age-Related Decline in Myelin Markers and Oligodendrocyte Density in Rhesus Macaque Prefrontal Cortex. *eNeuro*, 13(4).

Pandozi C, et al. (2026) New Perspectives Provided by Merging Computed Tomographic Scanning and Electroanatomical Mapping of Koch's Pyramid. *Journal of cardiovascular development and disease*, 13(4).

Zhu M, et al. (2026) Exploration of prognostic prediction models for renal cell carcinoma using diffusion relaxation correlation spectroscopic imaging. *BMC medical imaging*, 26(1).