Resource Summary Report

Generated by NIF on May 24, 2025

RT Image

RRID:SCR_002535
Type: Tool

Proper Citation

RT Image (RRID:SCR_002535)

Resource Information

URL: http://rtimage.sourceforge.net/

Proper Citation: RT Image (RRID:SCR_002535)

Description: An application to visualize, segment, and quantify three-dimensional images. Multiple datasets may be loaded, displayed, fused, processed, and quantitatively analyzed simultaneously. Data may be imported from any DICOM-compatible three dimensional imaging modality. Regions-of-interest may be defined using a number of manual, semi-automatic, and automated tools to segment three-dimensional pixel volumes. They may also be imported from and exported to DICOM structure sets. This software has been applied to preclinical and clinical computed tomography (CT), positron emission tomography (PET), single photon emission computed tomography (SPECT), magnetic resonance imaging (MRI), and optical imaging data.

Abbreviations: RT_Image

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

Defining Citation: PMID:17375973

Keywords: computed tomography, magnetic resonance, optical imaging, pet, spect, mri, dicom

Funding:

Availability: GNU General Public License

Resource Name: RT Image

Resource ID: SCR_002535

Alternate IDs: nlx_155940

Alternate URLs: http://www.nitrc.org/projects/rt_image

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250524T055857+0000

Ratings and Alerts

No rating or validation information has been found for RT Image.

No alerts have been found for RT Image.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Popp I, et al. (2022) Optimization of hippocampus sparing during whole brain radiation therapy with simultaneous integrated boost-tutorial and efficacy of complete directional hippocampal blocking. Strahlentherapie und Onkologie : Organ der Deutschen Rontgengesellschaft ... [et al], 198(6), 537.

Popp I, et al. (2021) Hippocampus-Avoidance Whole-Brain Radiation Therapy Is Efficient in the Long-Term Preservation of Hippocampal Volume. Frontiers in oncology, 11, 714709.

Brahimi Y, et al. (2019) Efficacy and Tolerance of Intensity Modulated Radiation Therapy for Skull Base Meningioma. Advances in radiation oncology, 4(4), 587.

Reygagne E, et al. (2019) Examining the Inter Hemispheric Transfer Time Test: A new computerized cognitive test to incorporate into therapeutic strategy for patients with brain metastases? A pilot study. Clinical and translational radiation oncology, 16, 48.

Combs SE, et al. (2018) Multicenter analysis of stereotactic radiotherapy of the resection cavity in patients with brain metastases. Cancer medicine, 7(6), 2319.

Rashid A, et al. (2018) LINAC stereotactic radiosurgery for trigeminal neuralgia - retrospective two-institutional examination of treatment outcomes. Radiation oncology (London, England), 13(1), 153.

Saiki JP, et al. (2018) Aldehyde dehydrogenase 3A1 activation prevents radiation-induced xerostomia by protecting salivary stem cells from toxic aldehydes. Proceedings of the National Academy of Sciences of the United States of America, 115(24), 6279.

Bilger A, et al. (2017) Local control and overall survival after frameless radiosurgery: A single center experience. Clinical and translational radiation oncology, 7, 55.

Ahn KH, et al. (2016) A preplanning method for stereotactic radiosurgery to improve treatment workflow. Journal of applied clinical medical physics, 17(3), 171.

Zamboglou C, et al. (2016) Single fraction multimodal image guided focal salvage high-dose-rate brachytherapy for recurrent prostate cancer. Journal of contemporary brachytherapy, 8(3), 241.