

# Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

## Plastimatch

RRID:SCR\_024168

Type: Tool

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### Proper Citation

Plastimatch (RRID:SCR\_024168)

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### Resource Information

**URL:** <https://plastimatch.org/>

**Proper Citation:** Plastimatch (RRID:SCR\_024168)

**Description:** Open source software for image computation with main focus on high performance volumetric registration, segmentation, and image processing of volumetric medical images.

**Resource Type:** software library, software resource, software toolkit

**Keywords:** image computation, volumetric registration, segmentation, image processing, volumetric medical images,

**Availability:** Free, Available for download, Freely available,

**Resource Name:** Plastimatch

**Resource ID:** SCR\_024168

**Alternate URLs:** <https://sources.debian.org/src/plastimatch/>,  
<https://gitlab.com/plastimatch/plastimatch>

**License:** BSD-style license

**Record Creation Time:** 20230824T050212+0000

**Record Last Update:** 20260905T133104+0000

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### Ratings and Alerts

No rating or validation information has been found for Plastimatch.

No alerts have been found for Plastimatch.

## 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 [PRECISE-TBI](#) .

Hong T, et al. (2026) Causal inference of glucocorticoid signaling in non-small cell lung cancer: integrating Mendelian randomization, single-cell transcriptomics, and imaging data. NPJ precision oncology, 10(1).

Lim J, et al. (2026) Investigating the impact of key algorithm parameters and patient-specific factors on the accuracy of CT ventilation imaging. Journal of applied clinical medical physics, 27(5), e70610.

Behzadi ST, et al. (2025) Partial breast irradiation after sentinel lymph node biopsy omission: Is it a valid alternative to whole breast Irradiation? Analysis of the dose to the sentinel lymph node region during whole breast irradiation vs. partial breast irradiation. Breast (Edinburgh, Scotland), 82, 104523.

Kusters J, et al. (2025) Prostate motion in magnetic resonance imaging-guided radiotherapy and its impact on margins. Strahlentherapie und Onkologie : Organ der Deutschen Rontgengesellschaft ... [et al], 201(8), 799.

Barry N, et al. (2024) [18]F-fluoroethyl-L-tyrosine positron emission tomography for radiotherapy target delineation: Results from a Radiation Oncology credentialing program. Physics and imaging in radiation oncology, 30, 100568.

Kim H, et al. (2024) Clinical feasibility of deep learning-based synthetic CT images from T2-weighted MR images for cervical cancer patients compared to MRCAT. Scientific reports, 14(1), 8504.

Barry N, et al. (2023) Delineation and agreement of FET PET biological volumes in glioblastoma: results of the nuclear medicine credentialing program from the prospective, multi-centre trial evaluating FET PET In Glioblastoma (FIG) study-TROG 18.06. European journal of nuclear medicine and molecular imaging, 50(13), 3970.

Zhovannik I, et al. (2022) Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. Cancers, 14(5).

Nenoff L, et al. (2022) Integrating Structure Propagation Uncertainties in the Optimization of Online Adaptive Proton Therapy Plans. Cancers, 14(16).

Masitho S, et al. (2022) Feasibility of artificial-intelligence-based synthetic computed tomography in a magnetic resonance-only radiotherapy workflow for brain radiotherapy: Two-way dose validation and 2D/2D kV-image-based positioning. Physics and imaging in radiation oncology, 24, 111.