Resource Summary Report

Generated by NIF on May 18, 2025

University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility

RRID:SCR_021996
Type: Tool

Proper Citation

University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility (RRID:SCR_021996)

Resource Information

URL: https://medschool.cuanschutz.edu/colorado-cancer-center/research/shared-resources/animal-imaging/irradiation

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Description: Core specializes in targeted irradiation of small animals for use in preclinical trials of radiation therapy. Through use of XRAD-SmART Irradiator, core can use x-ray fluoroscopy and on board CBCT to accurately irradiate small lesion areas while protecting normal tissue. Provides experiment design, data analysis, and dosimetry calculations, as well as longitudinal acquisition of CBCT for temporal assessment of tumor growth kinetics.

Abbreviations: SAI-GRT

Synonyms: Small Animal Image-Guided Radiation Therapy

Resource Type: core facility, service resource, access service resource

Keywords: ABRF, USEDit, targeted irradiation of small animals, preclinical trials, radiation therapy

Funding:

Resource Name: University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility

Resource ID: SCR_021996

Alternate IDs: ABRF_1320

Alternate URLs: https://coremarketplace.org/?FacilityID=1320

Record Creation Time: 20220421T050138+0000

Record Last Update: 20250517T060455+0000

Ratings and Alerts

No rating or validation information has been found for University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility.

No alerts have been found for University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Veo B, et al. (2024) Single-cell multi-omics analysis identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. Research square.

Griesinger AM, et al. (2024) Development of Chromosome 1q+ Specific Treatment for Highest Risk Pediatric Posterior Fossa Ependymoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(8), 1544.