

Resource Summary Report

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Children's Hospital of Philadelphia CHOP Large Animal Imaging Facility LAIF Core Facility

RRID:SCR_028404

Type: Tool

Proper Citation

Children's Hospital of Philadelphia CHOP Large Animal Imaging Facility LAIF Core Facility (RRID:SCR_028404)

Resource Information

URL: <https://www.research.chop.edu/large-animal-imaging-facility-core>

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Description: Core facilitates advanced MR image-guided interventional and noninvasive procedures to support research across a broad range of disease areas, including neurodegenerative, cardiothoracic, and reproductive disorders. Imaging capabilities span structural MRI, diffusion imaging, DCE and ASL perfusion, spectroscopy, angiography, cardiac imaging, tissue elastography, functional imaging, flow quantification, and quantitative T1, T2, and T2* mapping. In collaboration with the Division of Veterinary Resources (DVR), we encourage investigators to consult with our teams on all scientific, medical, technical, and compliance aspects of studies involving large animal models. Investigators are expected to obtain Institutional Animal Care and Use Committee (IACUC) approval before initiating study activities. Core provides comprehensive data processing, post-processing, and quantitative image analysis support to help investigators extract meaningful outcomes from complex imaging datasets. These services include image reconstruction workflows, multimodal image registration, segmentation, volumetric and regional quantification, diffusion and tract-based analysis, spectroscopy processing, and development of customized pipelines tailored to specific study needs. Provides support in generating high-quality preliminary data for grant applications, instrument proposals, and translational research initiatives by helping design imaging strategies, optimize acquisition protocols, and deliver rigorous quantitative analyses that strengthen scientific aims. For larger research programs, the LAIF Core can assist with processing and managing large-scale imaging datasets to support longitudinal studies, multisubject analyses, and publication-ready results.

Synonyms: , Children's Hospital of Philadelphia CHOP Large Animal Imaging Core (LAIF), Large Animal Imaging Facility (LAIF), LAIF Core

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

Keywords: ABRF, MR image-guided interventional and noninvasive procedures, structural MRI, diffusion imaging, DCE and ASL perfusion, spectroscopy, angiography, cardiac imaging, tissue elastography, functional imaging, flow quantification, quantitative T1, T2, and T2* mapping,

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Resource ID: SCR_028404

Alternate IDs: ABRF_5920

Alternate URLs: <https://https://coremarketplace.org/?FacilityID=5920&citation=1>

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Record Last Update: 20260821T194405+0000

Ratings and Alerts

No rating or validation information has been found for Children's Hospital of Philadelphia CHOP Large Animal Imaging Facility LAIF Core Facility.

No alerts have been found for Children's Hospital of Philadelphia CHOP Large Animal Imaging Facility LAIF Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.