

Resource Summary Report

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Charité Berlin University of Medicine Virchow Clinic Campus Experimental Hybrid Operating Room Core Facility

RRID:SCR_027962

Type: Tool

Proper Citation

Charité Berlin University of Medicine Virchow Clinic Campus Experimental Hybrid Operating Room Core Facility (RRID:SCR_027962)

Resource Information

URL:

https://www.charite.de/forschung/service_fuer_forschende/forschungsinfrastruktur/experimenteller_campus

Proper Citation: Charité Berlin University of Medicine Virchow Clinic Campus Experimental Hybrid Operating Room Core Facility (RRID:SCR_027962)

Description: Core offers large-animal experimental hybrid operating room equipped for cardiological and cardiothoracic interventions, including advanced angiography and multimodal intraprocedural imaging, to support patient-oriented preclinical research and education. Facility enables design, conduct, and veterinary-supervised aftercare of acute and chronic large-animal studies and hands-on training courses on implants, ventricular assist devices, artificial hearts, and percutaneous procedures for structural heart valve disease at phantom models and large-animal models. Core functions and services Performance of animal experimental studies and training courses in an experimental hybrid OR environment. Consultation on study design, model selection, and preparation of animal experiment applications for regulatory approval. Provision of anesthesia and surgical assistance, including perioperative and intensive care support. Specialist veterinary support for acute and chronic studies, ensuring animal welfare and scientific quality. Housing and husbandry for large laboratory animals such as sheep, pigs, and minipigs as part of the experimental program. Equipment and technology Hybrid operating room with Philips Allura Clarity FD20 angiography system tailored to cardiology and cardiac surgery interventions. Comprehensive software tools including Echo-, Heart-, and Vesselnavigator for image-guided procedures. EPIQ7 and CX50 ultrasound systems supporting TTE, TEE, ICE, and IVUS imaging modalities for structural and interventional procedures. Carto-3, OPTIS Integrated System, and XperCT platforms for 3D mapping and intravascular or intracardiac imaging. Heart–lung machine and ECMO systems for cardiopulmonary support during complex experimental interventions. Organizational context and availability Located at Campus Virchow-Klinikum as part of the

Forschungseinrichtungen für Experimentelle Medizin and operated in cooperation with the Deutsches Herzzentrum Berlin. Provides core facility research infrastructure of the Charité faculty for translational cardiovascular research and advanced training in a large-animal setting. Certified according to ISO 9001:2015, indicating a documented quality management system for its services.

Synonyms: , CHARITÉ UNIVERSITÄTSMEDIZIN BERLIN - CAMPUS VIRCHOW
KLINIKUM Experimenteller Hybrid-OP FEM CVK, Experimenteller Hybrid-OP FEM CVK

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

Keywords: ABRF, large-animal experimental hybrid operating room, cardiological and cardiothoracic interventions, angiography and multimodal intraprocedural imaging, implants, ventricular assist devices, artificial hearts, percutaneous procedures for structural heart valve disease, phantom models, large-animal models,

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Resource ID: SCR_027962

Alternate IDs: ABRF_5775

Alternate URLs: https://coremarketplace.org/RRID:SCR_027962/?citation=1

Record Creation Time: 20260213T054822+0000

Record Last Update: 20260801T191435+0000

Ratings and Alerts

No rating or validation information has been found for Charité Berlin University of Medicine Virchow Clinic Campus Experimental Hybrid Operating Room Core Facility.

No alerts have been found for Charité Berlin University of Medicine Virchow Clinic Campus Experimental Hybrid Operating Room Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.