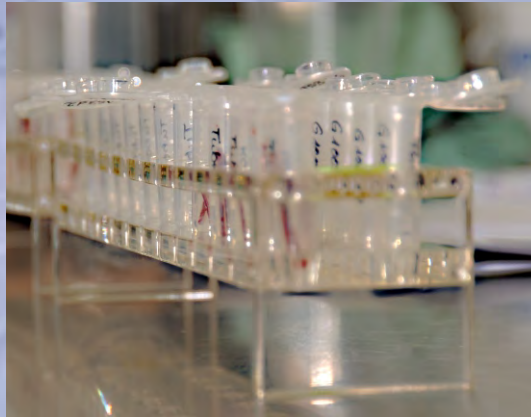


Studies on different medical specialities

- Cardiology
- Radiology
- Histology/QCA
- Orthopaedics
- Surgery
- other possible interventions
- Training Courses



Lab Services

Services around your study:

- Applying for approval to ethics committees, animal protection authorities, etc,
- Consultation and support in planning your study
- GLP Study Protocol, GLP Final Report
- We perform all studies together with our contracting partners.
- You are invited to bring your own interventionist or we can perform the whole study or part of it – as you desire.
- Anesthesia during all interventions.

Data Collection during Study according to Demand:

- Implantation protocol
- ECG before and after intervention
- Invasive blood pressure measurement
- Certification of animals feed
- Certification of drinking water
- Veterinary protocol
- Procedural protocol (anesthesia data, animal data)
- Clinical observations including vital status
- Climate supervision protocol for animal husbandry
- Working protocol for animal husbandry
- Case Report Form (CRF) supplied by Sponsor
- Procedural CD/DVD (1st and 2nd intervention)
- Necropsy protocol
- QCA results
- Histopathology results
- Drug contents of devices, blood, serum, and/or tissue



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GLP - Certification

The IMTR laboratory is GLP-certified.

All GLP-studies will be conducted in accordance with the principles of Good Laboratory Practice as specified by national (German Chemicals Act, July 25, 1994, last amendment May 08, 2001) and international (OECD, Paris, 1998) legislation. GLP studies will also be conducted in substantial compliance with applicable Good Laboratory Practices consistent with the U.S. Code of Federal Regulations, Title 21 Part 58 (21 CFR 58).

preclinical research



IMTR offers contract research services for universities, biomedical research institutes, medical product suppliers and pharmaceutical companies.

IMTR provides a state-of-the-art large animal facility for safety and efficacy evaluation of medicinal products, drugs, new therapeutic strategies as well as product-related trainings.

Artis zee Floor-mounted system
our fluoroscopy system



AXIOM Sensis XP
our recording solution

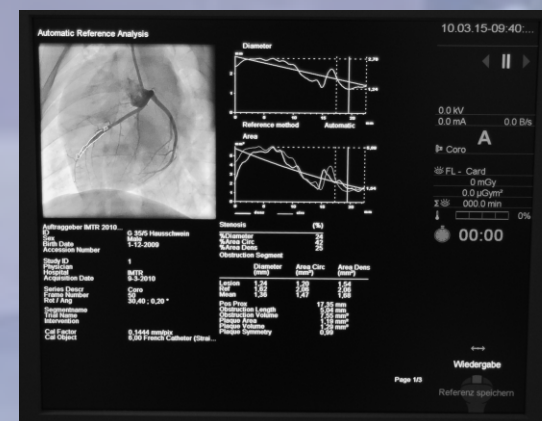


Animal models:
Conventional pigs,
Ellegaard Göttingen Mini Pigs,
Sheep,
Rabbits



Cardiology / Angiology / Radiology

- Pharmacokinetic studies
- Stent and balloon studies (DES, DEB, biodegradable stents, peripheral stents) including histology and QCA-reports
- Pacemaker, pacemaker electrodes and ICD studies
- New catheter systems
- Mapping studies with cardiac mapping system
- Electrophysiology studies



Optical Coherence Tomography (OCT) is the leading technology for intravascular imaging. The non-occlusive C7-XR™ Frequency Domain OCT (FD-OCT™) systems deliver high resolution images, greatly improving the view of the vessel wall and lumen morphology and enhancing the diagnosis and treatment of vascular disease.

Advantages of FD-OCT include:

- **Extreme Resolution:** FD-OCT systems have up to 25 times greater resolution than high frequency ultrasound (4-20 μm versus 110 μm). These Golden Images provide previously unavailable data for more confident evaluation of vascular conditions.
- **Tissue Characterization:** By analyzing information from the reflected light, FD-OCT can display the composition of lesions. Knowing lesion composition may improve the monitoring of interventions and other treatments and develop new approaches to coronary disease management.
- **Fast and Easy:** The C7 Dragonfly™ monorail catheter allows fast and easy deployment with standard 0.014" steerable guide wires- and 6 F-guiding catheters.
- **Real Time Imaging:** A complete imaging scan is performed in under five seconds so vessel occlusion is not required and the images are immediately available for review.

