

Pre-Clinical CT Core Facility



Bill Rates

Imaging Bill rates:

Internal Rate: \$275/h

External Rate: \$550/h

Post Imaging Analysis Bill Rates:

Internal Rate: \$100/h

External Rate: \$200/h

GE eXplore Ultra

- The GE eXplore Ultra is a volume CT system designed for high resolution, high speed small animal and specimen imaging.
- 24 cm bore and large transaxial field of view designed to accommodate rodents and rabbits.
- Variable energy X-ray tube (up to 140 kVp) permits optimization of scanning protocols for varying objects of interest.
- The eXplore Ultra allows exceptional CT imaging of clinical specimens at resolutions not possible in standard clinical systems.

Applications

Skeletal Imaging: X-ray based computed tomography is an ideal modality for observing bone characteristics. Parameters such as Bone Mineral Density (BMD) are readily quantified.

Cardiovascular Imaging: With the introduction of I.V. contrast agents, detailed images of the vascular system can be obtained.

Other Applications: High resolution renal, hepatobiliary, and gastrointestinal anatomical imaging are all possible with the use of CT contrast agents.



Contact Information

The IMED CT imaging suite is located on the fifth floor of the Medical School Building in room 5.302.

For additional information, specifics, or to submit an imaging request, e-mail:

Delia.Danila@uth.tmc.edu

References

Danila, D., Johnson, E., Kee, P. CT Imaging of Myocardial Scars with Collagen-targeting Gold Nanoparticles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, in press, 2013, PubMed ID # (23563046)

Kee, P., Bagalkot, V., Johnson, E., Danila, D. Non-invasive detection of macrophages in atheroma using a radiocontrast-loaded phosphatidylserine-containing liposomal contrast agent for computed tomography. *Mol Imaging Biol.*, 2015, doi: 10.1007/s11307-014-0798-0

CCTS

The pre-Clinical CT imaging suite is a core lab member of the Center for Clinical and Translational Sciences.

<http://ccts.uth.tmc.edu/>