

# 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

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

[Delia.Danila@uth.tmc.edu](mailto: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

## CCF

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

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