SMALL ANIMAL ECHO CORE

USF/ACH The Children's Research Institute

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General Information:

Investigators wishing to have animal heart function, adult or embryonic, or bloodflow analysis carried out, can have this done at the St. Petersburg Vivarium with the VisualSonics Vevo770 system. The Vevo770 is a high-resolution *in vivo* micro-ultrasound imaging system for non-invasive small animal research.

See below for procedure that must be followed:

Fee Schedule: **$100/hour to develop datasets. This includes pre- and post-exam animal handling, acquiring echo data and delivery of data to investigator.**

PROCEDURE:

(1) First to comply with IACUC regulations, the investigator should have the echo monitoring indicated in their procedures to be done on the animals. This would go into "*Appendix E Other Experimental Procedures*" in new applications. If this is not a new application, but echocardiography was not included in original IACUC application, then fill out the "Request for Procedural Change form" that can be downloaded from :
http://www.research.usf.edu/cm/CMDC/C047_3_Req_Procedural_Change_to_IACUC_Protocol_10_07.pdf

Sample wording on Appendix E in IACUC application:

(2) Please make appointments with Dr. Brinez by email with copy to Dr. Linask to have the echo done and fill out the required form [*Request for Echo Monitoring*] that is returned electronically to both Drs. Brinez and Linask . It must be indicated whether the investigator wants the animal(s) examined over several days by echocardiography, returned to Tampa after the first monitoring, or euthanized after the echo examination.

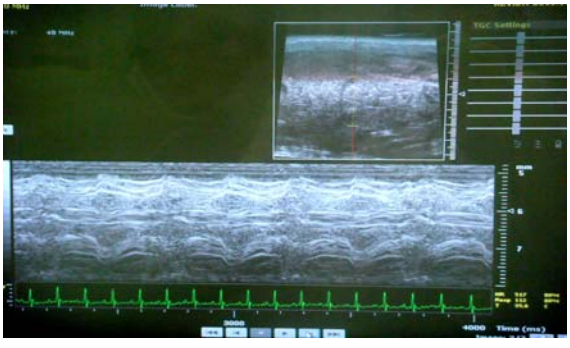
(3) To have animals transferred to the St. Petersburg Vivarium, a form must be filled out for the Division of Comparative Medicine.

Link onto Request to Relocate Research Animals:
http://www.research.usf.edu/cm/CMDC/C004_4_Req_to_Relocate_Research_Animals_2_05.pdf

Check with Lloyd Graham in Division of Comparative Medicine (813-974-9876) on means to have animals transferred to St. Petersburg.

(4) Once the animals arrive in St. Petersburg, they will be allowed to acclimate at least one to two days, before the echo analysis is done. The echo patterns will be copied to a CD and sent to the investigator. A computer with the VisualSonics software will be available at the College of Medicine to analyze the data. Should the investigator wish to be present at the time of the echo analysis, please make arrangements with Dr. Brinez.

Doppler Pattern



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