

Center for Human Phenomic Science

Cardiology Core

The Cardiology Core Lab at Children's Hospital of Philadelphia is housed within the Echocardiography Laboratory. An IE-33 echocardiographic machine (Philips, Andover, MA) with all ranges of two-dimensional and three-dimensional imaging probes and state-of-the-art software is available to perform all echocardiographic studies. These services include transthoracic and transesophageal imaging using technologies including two-dimensional imaging, color flow mapping, Doppler, tissue Doppler, three-dimensional imaging, strain and strain rate imaging, and vascular tests.

The core is staffed by Dr. Laura M. Mercer-Rosa, associate professor of pediatrics who is director of the echocardiography laboratory. In addition, there is a dedicated sonographer who is available to perform all research protocol studies.

Research echocardiograms are performed and captured in digital DICOM format and stored in the echocardiography laboratory digital echo system, Syngo Dynamics (Siemens, Mountainview, CA).

In addition to echocardiographic services, the cardiology core offers research electrocardiograms. Research ECGs can be read at CHOP for patients up to age 21.



**Children's Hospital
of Philadelphia**

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