

64 Slice CT at ARG!

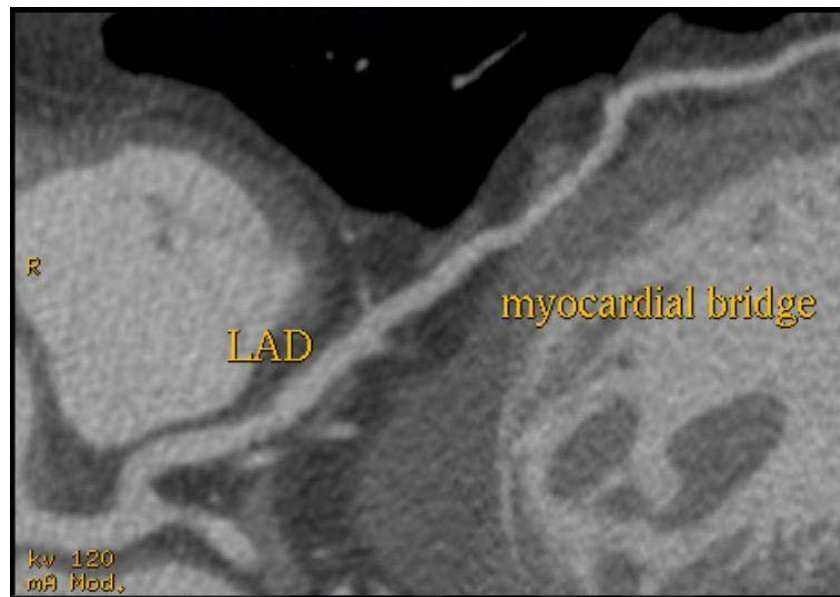
As part of ARG's ongoing commitment to providing state of the art imaging technology, a new 64 detector CT has been installed this month at 101 Remuera Road, adding to the impressive arsenal of Auckland's only 3Tesla MRI, and top of the line IU22 Ultrasound machines.

The 64 detector GE Volume CT (VCT) means faster, even more accurate high resolution imaging (down to 0.35mm) for all applications. It means less intravenous contrast dose, and less radiation dose. The key factor has been the ability to virtually freeze motion:

An adult patient can have a Chest-Abdo-Pelvis exam in 20 seconds

CARDIAC IMAGING

The coronary arteries can be assessed in 5 heartbeats, enabling robust CT coronary artery angiography and coronary artery calcium scoring.

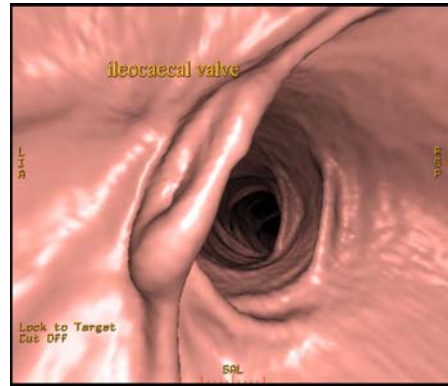


CENTRAL / PERIPHERAL ANGIOGRAPHY

One standard contrast injection in a vein in the arm.

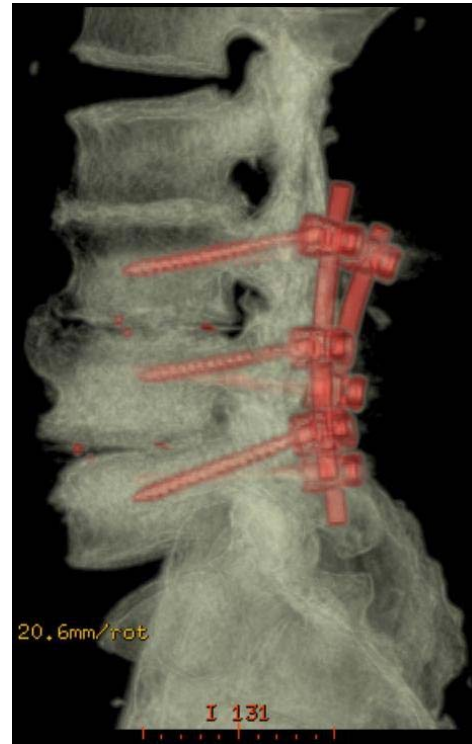
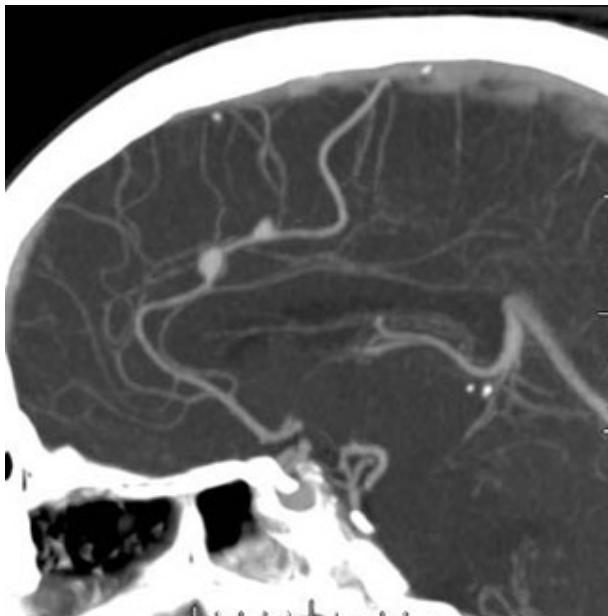
CT COLONOGRAPHY

Even faster scans and more convenience.



SKELETAL IMAGING

Outstanding bone reconstructions and less hardware artefact.



BRAIN IMAGING

State of the art resolution and CT angiography.

The ongoing search for excellence in imaging "...will take place against the backdrop of a quest to provide ever-less radiation. The imager of the future will view CT as a tool for virtual pathology, detailed anatomy, and confirmation of physiology, enabling the detection of disease at a far earlier and hopefully curable stage than is possible today." *

**Jha, S and Litt, H. 64 detector CT and beyond. Medical Imaging, March 2007.*

Helen Moore