

EQUIPEMENTS AND SERVICES EXPERIMENTAL IMAGING

EQUIPEMENTS

Equipment	Manufacturer	Model	Equipment self-service	Equipment with service
Magnetic resonance imaging (MRI) 3 Tesla	Siemens	Skyra 3T	no	yes
Angiography	Siemens	Artis Q	no	yes
ConeBeam CT	SiTech	NewTom 5G	no	yes
FibroScan	KNS Canada	FibroScan 402	yes	yes

SERVICES

Magnetic resonance imaging

Characteristics:

- Top of the line clinical and research 3T system
- 70 cm open bore design
- Coils (head, body, hand/wrist, knee, peripheral)
- Post-treatment software
- Mobile table, MRI/Angio compatible.

Possible exams: Cardiac MRI; musculoskeletal (hand, wrist and knee); lower limbs angiography, cardiac and abdominal, carotid angiography, cerebral MRI, functional imaging, spectroscopy.

Angiography

Characteristics:

- Unique technology in Canada
- Superior quality images
- Flat emitter technology for pixel to pixel analysis
- Total body coverage, mobile table and hoop ↑ exam flexibility
- Mobile table, MRI/Angio compatible.

Possible exams: Fluoroscopy, embolization; dilation; carotid angiography; subtraction imaging; Standard X-Ray
Typical exams: vascular, pulmonary, digestive system, brain imaging, abdominal and peripheral limbs.

Maxillo-facial imaging

Characteristics:

- 1 tenth of a scanner dose
- 3D exam of bone and dental structures
- High quality imaging, with low radiation level for the patient.

Possible exams: Oral and maxillofacial; ORL problems; cranial traumatism; orthopaedics; Bones structure and erosion.

Fibroscan

Characteristics:

- Non-invasive imaging
- Acquisition software
- Ultrasounds transmitting/receiving, generating shear waves, signals processing
- Integrated printer

Possible exams: Hepatic fibrosis/steatosis measurements by assessment of stiffness/elasticity of liver