

Summary of available hardware/ equipment in LSIC

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MRI unit (Siemens 3T Prisma)

Coils

20-channel Head/Neck coil 20*1

32-channel Head 32 coil *1

64-channel Head/Neck coil *1

18-channel Body coil*2

32-channel Spine coil *1

4-channel large Flex coil *1

4-channel small Flex coil *1

18-channel ultra-flex small coil*1

16-channel Pediatric coil (head/neck for <18 months age) *1

Large Loop coil *1

Medium Loop coil *1

Small Loop coil*1

Peripheral MR-conditional equipment

Sinorad SA-9939 fMRI stimulation system (E-Prime3.0, Psychtoolbox-3)

Hybridmojo touchpad-V2-MOC-10

Hybridmojo 30-33 key MIDI keyboard

Electrical Geodesics Inc. EEG GES 400 MR Series

Eyelink 1000 plus

Biopac Systems Inc. MP160

3T MR conditional wheelchair

MRI Scanning package

Tim Application Suite

- Neuro
- Angio

- Cardiac

- Body

- Onco

- Breast

- Ortho

- Pediatric

- Scientific

SWI

Quiet Suite

Neuro fMRI/DTI Package

Diffusion Tensor Imaging,

- syngo.MR Tractography,

- Inline BOLD Imaging

- 3D PACE syngo

- syngo.MR Neuro fMRI

Neuro Perfusion Package

PCASL (pseudo continuous arterial spin labelling)

Arterial Spin Labeling 3D

Arterial Spin Labeling 2D

Spectroscopy Package

Single-Voxel Spectroscopy,

- 2D Chemical Shift Imaging,

- 3D Chemical Shift Imaging,

- syngo.MR Spectro Engine

SVS Spectral Editing

Advanced WARP

SEMAC (Metallic artifact correction) for orthopedic implants

MapIt syngo

(T1, T2, T2* parametric mapping of cartilage)

NATIVE syngo

(non-contrast enhanced 3D MRA)

syngo THERM

Identify areas with high amount of temperature changes in non-moving organs

Post processing package

Syngo MR XA30A

Syngo.MR Spectro CSI (chemical shift imaging)

Syngo.MR Spectro SVS

Syngo.MR Spectro extension

Syngo.MR Neuroperfusion

Syngo.MR Neuro fMRI

Syngo.MR tractography

Syngo.MR composing

Syngo.MR Tissue 4D