

Imaging protocol for patients in European SIOp brain tumour studies

ExamCard

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[Download R5.3.1.1 ExamCard for 1.5T](#)

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ExamCard

Achieva 1.5T, Achieva 3.0T, Ambition, Elition, Ingenia 1.5T, Ingenia 3.0T, Prodiva 1.5T
Release 5
Brain, brain tumor, Neuro, Oncology, SIOp

ExamCard description

This MRI examination protocol for patients in European SIOp brain tumour studies has been developed by the SIOPE Brain Tumour Imaging Group and is based on consensus and evidence from earlier clinical trials. SIOPE is the European Society for Paediatric Oncology.

The protocol has evolved over the past few years and is being updated in response to changes in imaging practices and the specific needs of the various clinical trials. The protocol comprises a mandatory set of sequences which is a minimum requirement and additional sequences including multi-modal advanced MR imaging which are recommended. Standard guidance on follow up imaging and response assessments will be amended where necessary for individual trials.

[Download more info on the Imaging protocol for patients in European SIOp Brain Tumour Studies](#)

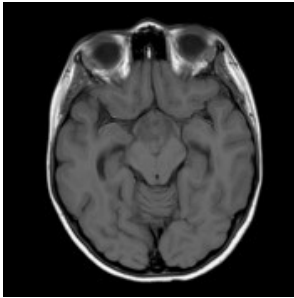
Examination protocol for 1.5T

Sequence	Technique	Plane
T1w	2D SE, TSE	Axial (along AC-PC axis)
T2w	2D SE, TSE	Axial
FLAIR	2D TSE	Axial or Coronal
T1w + Contrast	2D SE, TSE	Axial, Coronal and Sagittal
DWI with ADC	2D EPI	Axial

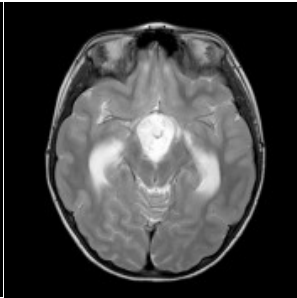
Examination protocol for 3.0T

Sequence	Technique	Plane
T1w	3D gradient echo	Axial or Sagittal
T2w	2D SE, TSE	Axial
FLAIR	2D TSE	Axial or Coronal
T1w + Contrast	2D SE, TSE	Axial
T1w + Contrast	3D gradient echo	Axial or Sagittal
DWI with ADC	2D EPI	Axial

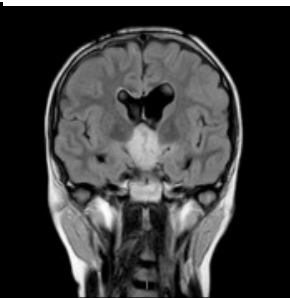
ExamCard images



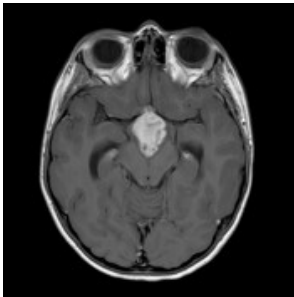
Axial T1w



Axial T2w



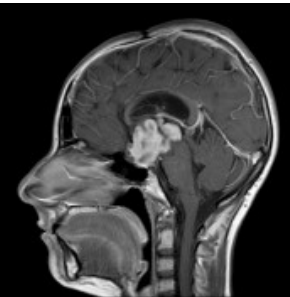
Coronal FLAIR



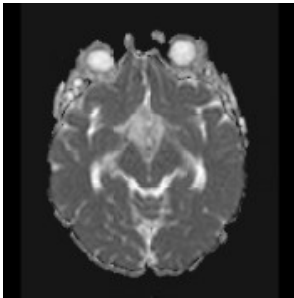
Axial T1w with gado



Coronal T1w with gado



Sagittal T1w with gado



Axial ADC

All images are 1.5T examples.

Images courtesy of Alder Hey Children's NHS Foundation Trust, Liverpool, UK