1. \*Magnetic Field Strength of Scanner Used:

1.5 T

3.0 T

4.0 T

7.0 T

Other (T):

1. \*Body part scanned:

Brain

Cervical spine

Thoracic spine

Lumbar spine

Other, specify:

1. \*RF receiver coil(s) and number of channels (check all that apply):

Head coil

Neck coil

Spine Array

Body coil (transmit)

Other, specify:

1. \*Sequences used:

T1-weighted

T2-weighted

FLAIR

Other :

1. \*Contrast used:

Yes

No

\*If yes, name of the contrast:

\*dosage:

1. T1-MRI sequence parameters
   1. \*Slice orientation:

Axial

Coronal

Sagittal

Oblique

Other, specify:

* 1. \*Field of view (C08241/new 1) m m:
  2. \*In-plane resolution (C10576/new 2) mm:
  3. \*Slice thickness (mm):
  4. \*Gap between slices (mm):
  5. \*Number of slices:
  6. \*Repetition time (TR) ms:
  7. \*Echo time (TE) ms:
  8. \*Acquisition time (minutes):
  9. Inversion time (TI) ms:
  10. Flip angle (FA) degrees:
  11. Base resolution (points):
  12. Phase resolution (% Partial Fourier):

Yes, specify:

No

* 1. Band width (Hz/Pixel):
  2. Echo spacing (ms)/Echo train length:
  3. Slice over sampling (%):
  4. Phase-encode direction:
  5. Flow compensation used:

Yes

No

* 1. Fat signal suppressed:

Yes

No

* 1. Parallel acquisition used:

Yes

No

If yes, method used:

GRAPPA

SENSE

Other:

Additional details:

1. T2 sequence parameters (copy the following sections if parameters are different for T1 and T2 sequences)
   1. \*Slice orientation:

Axial

Coronal

Sagittal

Oblique

* 1. \*Field of view mm x mm:
  2. \*In-plane resolution mm x mm:
  3. \*Slice thickness (mm):
  4. \*Gap between slices (mm):
  5. \*Number of slices:
  6. \*Repetition time (TR) ms:
  7. \*Echo time (TE) ms:
  8. \*Acquisition time (minutes):
  9. Flip angle (FA) degrees:
  10. Base resolution (points):
  11. Phase resolution (% Partial Fourier):

Yes, specify:

No

* 1. Band width (Hz/Pixel):
  2. Echo spacing (ms) / Echo train length:
  3. Slice over sampling (%):
  4. Phase-encode direction:
  5. Flow compensation used:

Yes

No

* 1. Fat signal suppressed:

Yes

No

* 1. Parallel acquisition used:

Yes

No

If yes, method used:

GRAPPA

SENSE

Other:

Additional details:

1. FLAIR sequence parameters (copy the following sections if parameters are different for T1 and FLAIR sequences)
   1. \*Slice orientation:

Axial

Coronal

Sagittal

Oblique

* 1. \*Field of view mm x mm:
  2. \*In-plane resolution mm x mm:
  3. \*Slice thickness (mm):
  4. \*Gap between slices (mm):
  5. \*Number of slices:
  6. \*Repetition time (TR) ms:
  7. \*Echo time (TE) ms:
  8. \*Acquisition time (minutes):
  9. Flip angle (FA) degrees:
  10. Base resolution (points):
  11. Phase resolution (% Partial Fourier):

Yes, specify:

No

* 1. Band width (Hz/Pixel):
  2. Echo spacing (ms) / Echo train length:
  3. Slice over sampling (%):
  4. Phase-encode direction:
  5. Flow compensation used:

Yes

No

* 1. Fat signal suppressed:

Yes

No

* 1. Parallel acquisition used:

Yes

No

If yes, method used:

GRAPPA

SENSE

Other:

Additional details:

1. Clinical read of MRIs
   1. Read type:

Local

Central

Other, specify:

* 1. Reader blinded to clinical data?

Yes

No

* 1. Quality of images technically satisfactory?

Yes

No

1. Lesions found\*?

Yes

No

* 1. \*If Yes, type of lesion(s):

WM hyperintensity

Infarct

Spondylosis

Other, specify:

* 1. \*If Yes, location of lesion(s):

1. Software used for quantitative analysis of T1-MRI:

SPM

FSL

FreeSurfer

Other:

1. Software version number:
2. Name of the scanner manufacturer:

GE

Siemens

Philips

Other:

1. Name of the scanner software and its version number:

Name:

Version Number:

\*Element is classified as Core.

## GENERAL INSTRUCTIONS

This CRF includes data typically recorded when performing MRI. This technique is used to visualize detailed internal structures in the body and brain.

Important note: The data elements noted with an asterisk on this CRF Module are classified as Core (i.e., strongly recommended for ALS imaging clinical studies to collect). The remaining data elements are classified as supplemental (i.e., non Core) and should only be collected if the research team considers them appropriate for their study. Please see the Data Dictionary for element classifications.

## SPECIFIC INSTRUCTIONS

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module*.*

* RF receiver coil(s) and number of channels – Check all that apply
* T2 sequence parameters – If the sequences are different for T1 and T2 sequence parameters, record the T2 parameters as indicated. If they are the same, leave the T2 parameters section blank
* FLAIR sequence parameters – If the sequences are different for T1 and FLAIR sequence parameters, record the FLAIR parameters as indicated. If they are the same, leave the FLAIR parameters section blank