TEMPLATE 1: MRI BRAIN DEMENTIA
Description: Baseline imaging for cognitive impairment or screening prior to initiating anti amyloid therapy

EXAMINATION: Magnetic resonance imaging (MRI) of the brain without contrast

HISTORY: [<Memory loss>][<Describe duration, main symptoms, and biomarkers.>]

TECHNIQUE: Multiplanar multi-weighted MRI of the brain and brainstem was performed without intravenous contrast using a protocol specific to assess patients with memory complaints or for baseline assessment prior to initiating anti amyloid therapy. The protocol specifically includes high resolution T1-weighted images to assess brain structures, T2-FLAIR to assess for potential infarcts and white matter lesions associated with vascular cognitive impairment, and susceptibility sensitive sequences for detection of microhemorrhages and siderosis.

Blood sensitive sequence: [<SWI>][<GRE/T2*>]
Field strength: [<3 T>][<1.5 T>]

COMPARISON: [<None available.>]

FINDINGS:

Total microhemorrhages: [<number>][<describe locations in general, deep vs lobar>]

Superficial siderosis: [<none>][< 1 focal area of superficial siderosis>][< 2 focal areas of superficial siderosis>][>2 focal areas of superficial siderosis>][<describe locations>]

[<general description of other acute or chronic findings>]

IMPRESSION: [ ].

1. Total microhemorrhages [[<0-4>, <5-9>, <≥10>]].
2. Superficial siderosis is [<not detected>][<present>].
3. [Other impression points]
**TEMPLATE 2: MRI BRAIN ARIA**

Description: Follow up imaging for patients undergoing treatment with an amyloid-lowering antibody therapy

EXAMINATION: Magnetic resonance imaging (MRI) of the brain without contrast

HISTORY: [If information is available, include agent, doses received, date of last dose, and symptoms if present].

TECHNIQUE: Multiplanar multi-weighted MRI of the brain and brainstem was performed without intravenous contrast using a protocol specific to assess patients with memory complaints undergoing disease modifying therapies. The protocol specifically includes T2-FLAIR to assess for potential amyloid related imaging abnormalities with edema (ARIA-E), and susceptibility sensitive sequences for detection of microhemorrhages and superficial siderosis (ARIA-H).

Blood sensitive sequence: [<SWI>][<GRE/T2*>]
Field strength: [<3 T>][<1.5 T>]

COMPARISON: [None available.]

FINDINGS:

ASSESSMENT FOR ARIA:
Scan quality is: [adequate][inadequate and patient should return for repeat imaging][if inadequate, reason]

ARIA-E
Prior FLAIR hyperintensities concerning for ARIA-E: [no prior exam available for adequate comparison][yes][describe location(s) and extent (cm)][describe change]

New/incident FLAIR hyperintensities concerning for ARIA-E: [yes][specify as definite or possible][describe location(s) and extent (cm)]

Total current regions of FLAIR hyperintensities concerning for ARIA-E: [none, 1, >1]

ARIA-H
Microhemorrhages at pre-treatment baseline: [0-4, 5-9, ≥10] [describe locations in general, deep vs lobar]

Prior treatment emergent microhemorrhages (ARIA-H): [no prior treatment monitoring exam available for adequate comparison][number of definite microhemorrhages present on prior monitoring exam][describe locations]

New microhemorrhages (ARIA-H): [number of definite new microhemorrhages since prior exam][describe locations]
Total treatment emergent microhemorrhages (ARIA-H) = prior treatment emergent + new microhemorrhages: [<0-4>, <5-9>, ≤ 10>]

Prior treatment emergent siderosis (ARIA-H): [<no prior exam available for adequate comparison>] [<number of prior focal areas of superficial siderosis>]

New siderosis (ARIA-H): [<number of new focal area of superficial siderosis>]

Total treatment emergent focal areas of superficial siderosis: [<1 focal area of superficial siderosis>] [<2 focal areas of superficial siderosis>] [< >2 focal areas of superficial siderosis>]

OTHER
[<general description of other acute or chronic findings>]

IMPRESSION: []

1. Since [Date of Prior] [unchanged/increased/decreased] findings of ARIA-[E/H microhemorrhages/H superficial siderosis] most notable in [area or areas of the brain with the greatest change]

   Findings concerning for [< no>][<mild>][<moderate>][<severe>] ARIA-E
   Findings concerning for [< no>][<mild>][<moderate>][<severe>] ARIA-H related microhemorrhages.
   Findings concerning for [< no>][<mild>][<moderate>][<severe>] ARIA-H related siderosis.

2. [Other findings]
### ARIA severity grading

**ARIA-E**
- (sulcal and/or cortical/subcortical FLAIR hyperintensity)
  - **Mild**: One location < 5 cm
  - **Moderate**: One location 5-10 cm OR More than one location each < 10 cm
  - **Severe**: One more location > 10 cm

**ARIA-H**
- (cumulative treatment emergent microhemorrhages)
  - **Mild**: 0-4
  - **Moderate**: 5-9
  - **Severe**: ≥ 10

**ARIA-H**
- (superficial siderosis)
  - **Mild**: 1 focal area
  - **Moderate**: 2 focal areas
  - **Severe**: > 2 focal areas