



## Radiology Checklist for Anti-amyloid Monoclonal Antibodies

- ☑ Perform amyloid positron emission tomography (PET) to confirm amyloid burden for a diagnosis of early Alzheimer's disease
  - 3 US Food and Drug Administration (FDA)-approved tracers available to confirm amyloid burden

Tracer	Dosage, MBq	Waiting Period, min	Scan Period, min	Display Color Scale
Florbetapir (Amyvid®)	370	30-50	10	Grayscale (or inverse grayscale)
Flutemetamol (Vizamyl™)	185	60-120	10-20	Rainbow color scale
Florbetaben (NeuraCeq®)	300	45-130	20	Grayscale (or inverse grayscale)

- ☑ Ensure availability in imaging schedule for regular magnetic resonance imaging (MRI) monitoring as required at baseline and within first few months of anti-amyloid monoclonal antibody (mAb) administration
  - Lecanemab (Leqembi®) requires MRIs prior to 5th, 7th, and 14th doses
  - Donanemab (Kisunla®) requires MRIs prior to the 2nd, 3rd, 4th, and 7th doses
- ☑ Allow unscheduled MRIs to detect amyloid-related imaging abnormalities (ARIA) based on new symptoms
- ☑ Be familiar with definitions of radiographic ARIA

ARIA Type	Mild	Moderate	Severe
ARIA-edema (E)	FLAIR hyperintensity confined to sulcus and/or cortex/subcortex white matter in 1 location <5 cm	FLAIR hyperintensity 5 to 10 cm in single greatest dimension, or more than 1 site of involvement, each measuring <10 cm	FLAIR hyperintensity >10 cm with associated gyral swelling and sulcal effacement. 1 or more separate/independent sites of involvement may be noted
ARIA-hemorrhage (H) (microhemorrhage)	≤4 new incident microhemorrhages	5 to 9 new incident microhemorrhages	10 or more new incident microhemorrhages
ARIA-H (superficial siderosis)	1 focal area of superficial siderosis	2 focal areas of superficial siderosis	>2 areas of superficial siderosis

- ☑ Be prepared to activate protocols to manage severe radiologic ARIA
- ☑ Upload MRIs and notes to electronic medical records
- ☑ Communicate with patient's neurologist if radiographic ARIA is detected so they can determine appropriate next steps for anti-amyloid mAb dosing