**Provider Checklist-Outpatient –Imaging\_**

**Checklist: Magnetic Resonance Angiogram (MRA) Brain**

**(For CPT Codes: 70544, 70545, 70546)**

Indicate subarachnoid hemorrhage (SAH) WITH BOTH findings WITH SAH by CT/MRI OR CSF blood/xanthochromia by LP AND angiography contraindicated/refused by patient

If suspected cerebral aneurysm, indicate BOTH of the following:

findings of SAH/intracerebral hematoma by CT/MRI OR isolated cranial nerve (CN) deficit WITH CN II, CN III, CN IV, CN V, OR CN VI;

AND angiography not planned

Indicate screening study for cerebral aneurysm WITH BOTH of the following:

Risk factor WITH first degree relative with cerebral aneurysm, hx/first degree relative with polycystic kidney disease OR first degree relative with multiple meningiomas;

AND angiography not planned

Indicate known cerebral aneurysm indicate BOTH of the following:

follow−up study WITH follow−up ≥ 6 mos, baseline study post procedure, follow−up at 3 mos/6 mos post procedure OR new/worsening sx/findings;

AND angiography not planned

Indicate preoperative study, carotid endarterectomy planned WITH AT LEAST ONE of the follow\ing:

asymptomatic carotid stenosis WITH BOTH Carotid and cerebral angiogram not planned AND ≥ 60% by duplex US;

symptomatic carotid stenosis WITH ALL of the following:

sx/findings of anterior circulation ischemia WITH TIA in carotid distribution by Hx OR stroke in carotid distribution by PE;

carotid duplex US WITH ≥ 70% stenosis, > 50% stenosis with ulcerative plaque OR technically inadequate/equivocal;

AND carotid and cerebral angiogram not planned

If suspected posterior circulation ischemia, indicate BOTH of the following:

indicate sx/findings of vertebrobasilar stenosis/occlusion by PE WITH AT LEAST ONE of the follow\ing:

weakness/paralysis of contralateral extremities/ipsilateral face;

numbness/paresthesias of contralateral extremities/ipsilateral face;

impaired coordination/ataxia;

visual impairment WITH AT LEAST ONE of the follow\ing:

new vision loss;

diplopia and ophthalmologic exam normal;

OR visual field impairment

OR vertigo with associated sx/findings WITH headache OR central nystagmus;

AND angiography not planned

Indicate known AVM WITH BOTH of the following:

follow−up study WITH baseline study post procedure, follow−up assessment ≥ 1 yr after Rx OR new/worsening sx/findings;

AND angiography not planned

If suspected cerebral venous thrombosis, indicate BOTH of the following:

headache with associated sx/findings WITH AT LEAST ONE of the follow\ing:

papilledema by PE;

focal neurologic finding by PE;

mental status changes by Hx/PE;

OR seizure by Hx/PE;

AND finding WITH AT LEAST ONE of the follow\ing:

hypercoagulable state;

skull fracture over dural sinus;

calvarial mass;

OR infection WITH sinusitis OR otitis media