**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