



### Middle Meningeal Artery Embolization Interventional Neuroradiology → PACU

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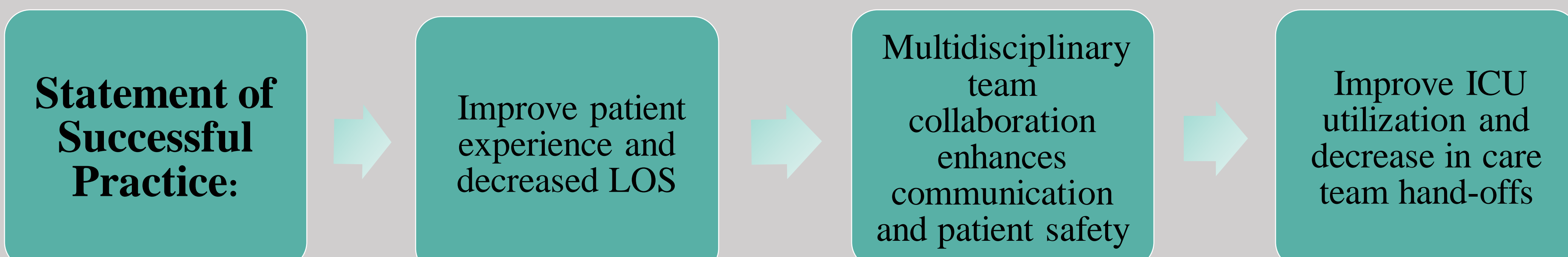
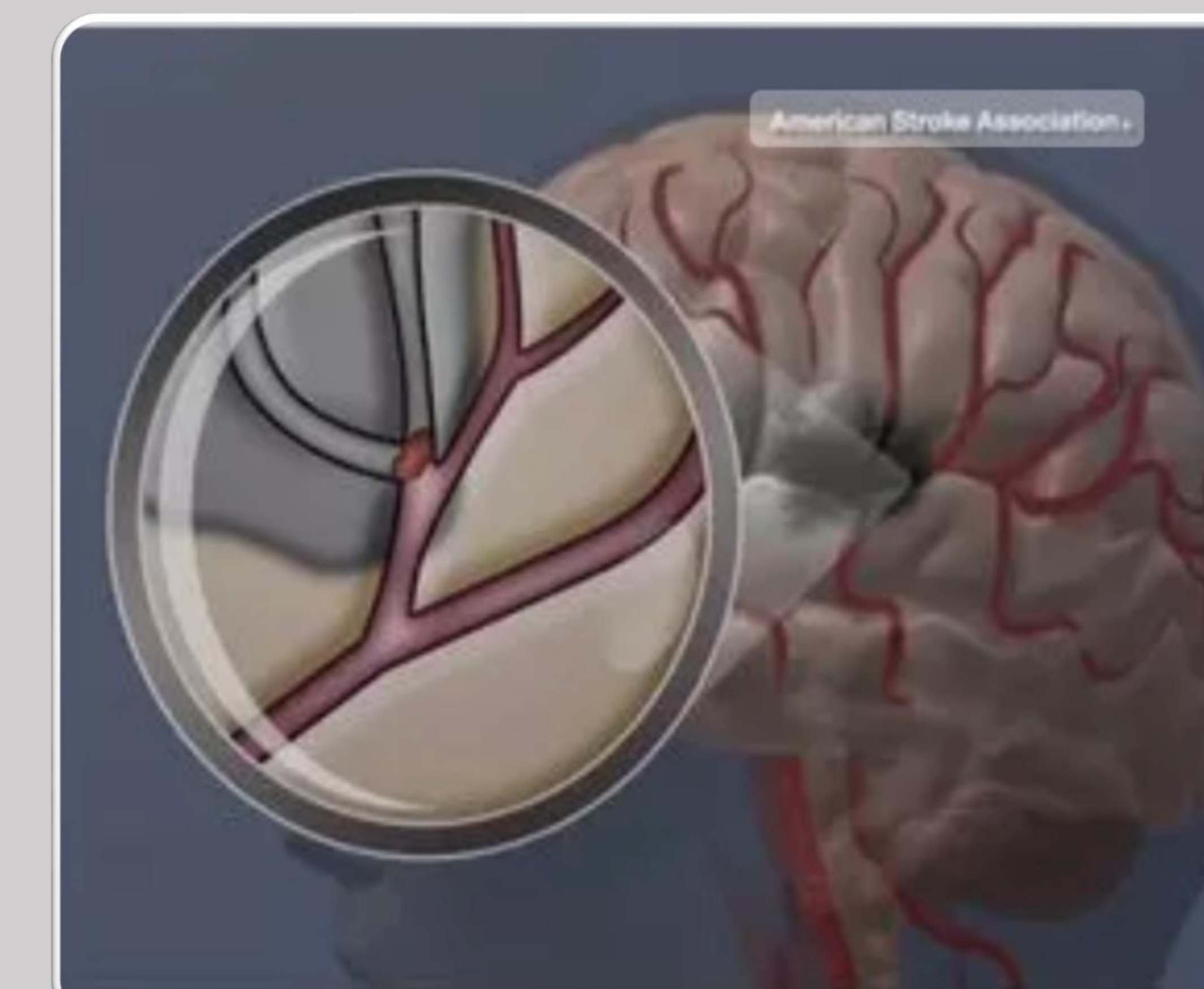
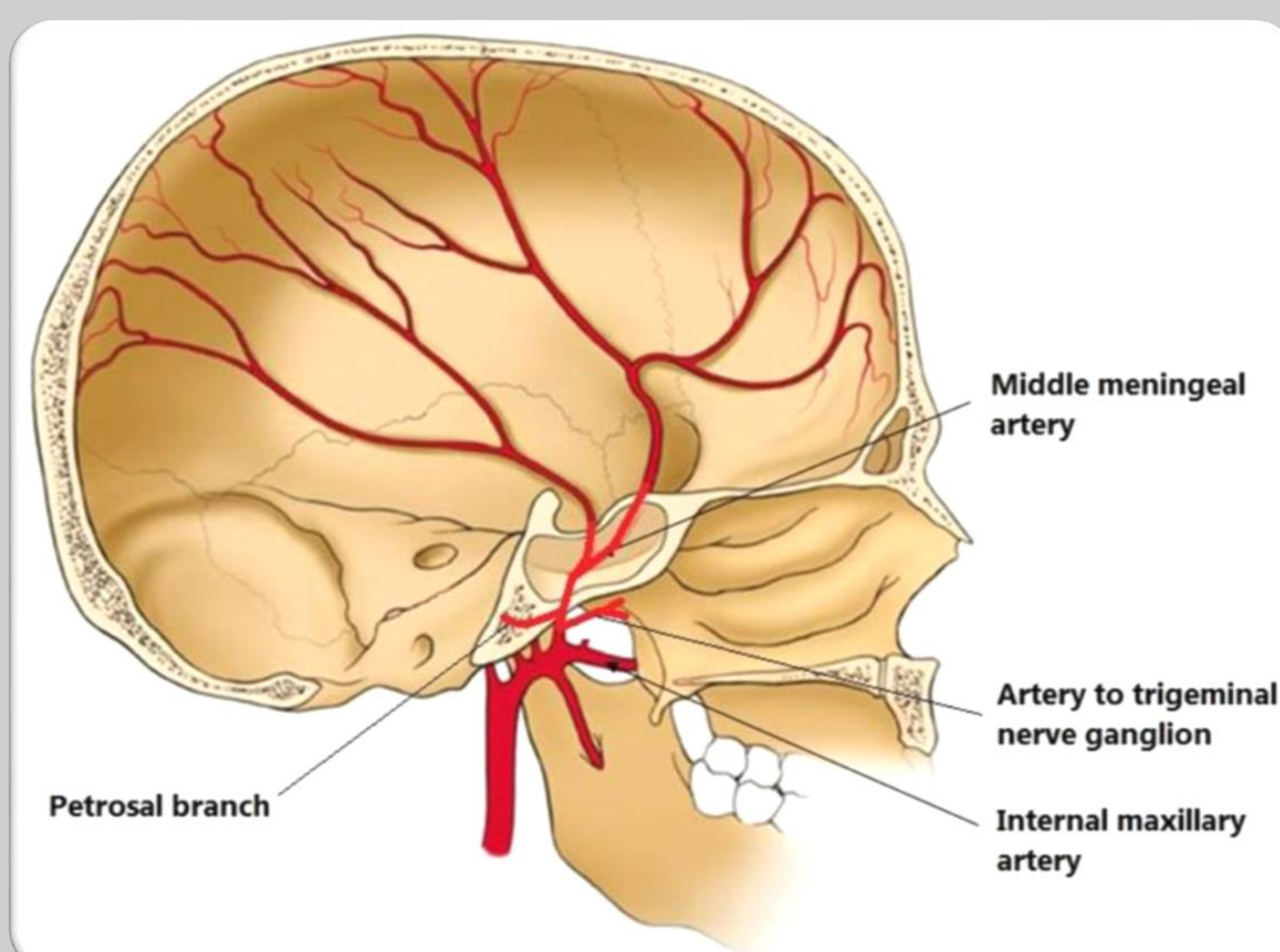
**Background Information:**  
Chronic subdural hematoma is a common pathology that typically affects the elderly. The Middle Meningeal Artery (MMA) provides blood supply to the dura matter and feeds the membrane capillaries. In the instance of a subdural hematoma, the MMA capillaries are contributing a blood supply to the subdural hematoma. MMA embolization is a minimally invasive procedure combining angiography, microcatheters, and polyvinyl alcohol particles used to block blood flow and promote hematoma resolution. Patients undergoing (MMA) embolization routinely progress from Interventional Neuroradiology (INR) → ICU → Neurosurgery intermediate care → home. This pathway allows bypass of an ICU admission which reduces hospital length of stay (LOS).

#### Objectives of Project:

- Establish inclusion criteria to identify MMA embolization patients who are appropriate to bypass the ICU and receive ICU level care in the PACU
- Improve patient safety by reducing number of transfers of care from 3 teams to 2 teams
- Improve patient experience by decreasing LOS
- Improve utilization of ICU resources by increasing ICU bed availability

#### Implications for Advancing the Practice of Perianesthesia Nursing:

- Improve PACU staff confidence and competency in caring for the MMA embolization population
- Potential for utilizing this model for future INR procedures
- Improve hospital throughput



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