

**On-line Table: Specific neuro-ICU take-home points for the management of patients with acute ischemic stroke, intracranial hemorrhage, and subarachnoid hemorrhage**

Take Home Points		AIS	ICH	SAH
Acute Treatment	Directive	tPA/EVT Anti-plt/coagulants Variable BP goals	Coagulopathy reversal, Hold Anti-plt/coagulants +/- EVD (IVH/hydrocephalus) +/- Antiseizure drug	
			SBP < 140-180	+/- anti-fibrinolytic Rx SBP < 140
	Supportive	Airway, Breathing, Circulation, Diet, Euthermia/glycemia		
Key Elements of Monitoring		Vital signs (interval depending on circumstances) – heart rate, BP, temperature, respiratory rate, oxygen saturation Neurovital signs – Glasgow Coma Scale, pupillary response +/- National Institutes of Health Stroke Scale, level of arousal +/- Intracranial pressure, brain tissue oxygen saturation, cerebral blood flow, cerebral lactate/pyruvate/glucose, electroencephalogram, etc.		
Recognizing life-threatening complications	Neuro	Hemorrhagic transformation New ischemia/infarction Cerebral edema/Midline shift	Hematoma Expansion Hydrocephalus Cerebral edema/Midline shift	Rebleeding Vasospasm Hydrocephalus
		High intracranial Pressure, Herniation, Seizure		
	Airway	Angioedema		
		Airway compromise		
	Breathing	Aspiration – pneumonitis, pneumonia, Neurogenic pulmonary edema, pulmonary edema		
Circulation	Myocardial Infarction, Arrhythmia, Neurogenic stunned myocardium,			
	Systemic hemorrhage Groin hematoma Limb ischemia		Groin hematoma Limb ischemia Cerebral salt wasting	
Location of key equipment & medications		Crash Cart Airway equipment/difficult airway management cart Emergent Osmotic Therapy – Hypertonic saline, mannitol		
Distribution of Responsibilities, where to get help		Team members, Role Clarity, Chain of Help Contact Information		

**Note:**—SBP indicates systolic blood pressure; BP, blood pressure; EVD, endoventricular drain; Rx, a doctor's prescription; IVH, intraventricular hemorrhage; AIS, acute ischemic stroke; ICH, intracerebral hemorrhage; plt, platelet.