

## STROKE SPECIFIC ORIENTATION-Neuro Medical, Physical Rehab, Transitional Care Unit

Employee: \_\_\_\_\_ Date: \_\_\_\_\_  
 Position: \_\_\_\_\_ Department: \_\_\_\_\_

	GENERAL	DATE & INITIAL WHEN COMPLETED	COMMENTS	RN, LPN, CAN, NE
A	Location of latest evidence-based practice guidelines to improve patient care. – Up to Date (Medical Library Resource) – Stroke Guideline Binders (Nursing Unit) Location of text staff resources. Location of patient educational materials			RN
B	Apply evidence-based guidelines for all stages of stroke care.			RN
	l) Acute stroke management & patient/family education			RN
	a) Pathophysiology of stroke i. Ischemic (1) Embolic (2) Thrombotic ii. Hemorrhagic Stroke (1) Intracerebral (2) Sub-arachnoid			RN
	b) Assessment of stroke i) Neuro focal deficit identification (1) Onset of symptom determination (2) NIHSS (a) Neuro Procedure # 16.4 (SAH Nursing Division) (b) Annual Certification (3) Neurological Assessment (a) Neuro Procedure # 16.1 and Agnesian Nursing # 16.2 (4) Glasgow Coma Scale			RN
	c) Rapid Diagnosis i) Activation of in-hospital acute stroke team  (1) In-Patient (a) Stroke Alert Protocol & Out-Patient/Visitor/Staff Member (Policy # PRF2551) (i) Identification of acute stroke alert team members (ii) Rapid notification			ALL  RN

	<p>process via operator</p> <p>(iii) Roles &amp; responsibilities of acute stroke response team</p> <p>(iv) Time parameter requirements</p> <p>(v) Rationale behind acute reperfusion strategies</p> <p>1. t-PA policy</p> <ul style="list-style-type: none"> <li>• Indications &amp; contraindications of t-PA</li> <li>• Risks &amp; benefits</li> <li>• Role of pharmacy</li> <li>• Administration of tpa</li> <li>• Symptoms of neurological deterioration</li> </ul> <p>(2) Out-Patient</p> <p>(a) Code Medical Protocol (AHC Policy #PRF0302)</p> <p>(3) Diagnostics</p> <p>(a) Labs (CBC, CMP, INR, PTT, Cardiac Enzymes, Lipids, A1C, Homocysteine, Hypercoagability panel)</p> <p>(b) CT</p> <p>(c) CTA</p> <p>(d) MRI</p> <p>(e) MRA</p> <p>(f) Echo/TEE</p> <p>(g) Carotid Ultrasound</p>			<p>ALL</p> <p>RN</p>
	II) Prevention of complications & patient/family education			RN, LPN NE
	<p>a) DVT prophylaxis (day 2 non-ambulatory patients)</p> <p>i) SCD's</p> <p>ii) Heparins, heparinoids, other anticoagulants</p>			RN, LPN, RN EXTERN
	<p>b) Dysphagia screening before po intake (aspiration pneumonia prevention)</p> <p>i) Dysphagia screening tool</p> <p>ii) TIA/Stroke admitting diagnosis triggers adult nutrition assessment (dietician)</p>			RN, RN Extern
	<p>c) Blood pressure surveillance/management</p> <p>i) BP parameters</p> <p>(1) With non t-PA candidates</p>			RN, RN Extern; LPN

	<ul style="list-style-type: none"> <li>(2) With t-PA candidates</li> <li>(3) Hemorrhagic stroke</li> <li>ii) Blood pressure management orders (order set)</li> </ul>			
	<ul style="list-style-type: none"> <li>d) Blood sugar surveillance/management <ul style="list-style-type: none"> <li>i) BS parameters</li> <li>ii) BS management orders (order set)</li> </ul> </li> </ul>			RN, RN Extern; LPN
	<ul style="list-style-type: none"> <li>e) Temperature surveillance/management <ul style="list-style-type: none"> <li>i) Temperature parameters</li> <li>ii) Temperature management orders (order set)</li> </ul> </li> </ul>			RN, RN Extern; LPN
	<ul style="list-style-type: none"> <li>f) Recognition, assessment, &amp; management of other potential complications of stroke <ul style="list-style-type: none"> <li>i) UTI's-discontinue use of Foleys as soon as possible</li> <li>ii) Urinary <ul style="list-style-type: none"> <li>(1) incontinence</li> <li>(2) urinary retention</li> <li>(3) spastic bladder</li> <li>(4) toileting schedule</li> </ul> </li> <li>iii) Bowel <ul style="list-style-type: none"> <li>(1) incontinence</li> <li>(2) bowel program</li> </ul> </li> <li>iv) Skin breakdown <ul style="list-style-type: none"> <li>(1) incontinence care</li> <li>(2) positioning</li> <li>(3) cushioning</li> </ul> </li> <li>v) Seizure precautions</li> <li>vi) Depression</li> <li>vii) Immobility <ul style="list-style-type: none"> <li>(1) contractions</li> <li>(2) shoulder subluxation</li> <li>(3) positioning</li> <li>(4) PROM/AROM</li> </ul> </li> <li>viii) Falls <ul style="list-style-type: none"> <li>(1) fall precaution identification</li> <li>(2) fall precaution program</li> <li>(3) right hemisphere stroke precautions</li> </ul> </li> <li>ix) Pain management</li> </ul> </li> </ul>			ALL
	III) Secondary prevention-management & patient/family education			RN, RN Extern; LPN
	<ul style="list-style-type: none"> <li>a) Identification &amp; education of stroke risk factors at the individual level <ul style="list-style-type: none"> <li>i) Modifiable Risk Factors <ul style="list-style-type: none"> <li>(1) Hypertension-(Know their BP) <ul style="list-style-type: none"> <li>(a) Normal 120/80</li> <li>(b) Pre-hypertension up to 139/89</li> <li>(c) Hypertension 140/90 or</li> </ul> </li> </ul> </li> </ul> </li> </ul>			RN, RN Extern

	<p>higher</p> <p>(d) Control through diet, regular exercise, medication, &amp; regular BP checks</p> <p>(2) Dyslipidemia-(Know their cholesterol numbers)</p> <p>(a) Normal-combined HDL &amp; LDL below 200</p> <p>(b) Control through diet, regular exercise, &amp; medication</p> <p>(3) Diabetes-(Know their blood sugar level)</p> <p>(a) Control through diet, regular exercise, medicine</p> <p>(4) Atrial fib/flutter</p> <p>(a) Telemetry skills</p> <p>(b) Indications for anti-coagulation therapy</p> <p>(i) Coumadin</p> <p>(ii) INR management</p> <p>(5) Coronary heart disease</p> <p>(a) Regular check ups</p> <p>(b) Medication</p> <p>(c) Occasional surgery is necessary</p> <p>(6) Carotid stenosis</p> <p>(7) Sleep apnea</p> <p>(8) Heart failure</p> <p>(9) Prosthetic heart valve</p> <p>(10) Patent foramen ovale</p> <p>ii) Lifestyle Modification Interventions</p> <p>iii) Patient education resources/materials</p> <p>iv) Education documentation forms</p>			
	IV) Rehabilitation			
	a) Rehabilitation screening/assessments			RN
	b) TIA/stroke admitting diagnosis triggers PT/OT screen			RN, RN Extern
	c) FIMS certification			ALL
	V) Professional (Staff/EMS/Public education)			
	<p>a) Professional Education (Agnesian HealthCare staff education)</p> <p>i) Agnesian HealthCare Annual Net Learning</p> <p>ii) Neuro Medical Unit (Stroke Unit)</p> <p>(1) NIHSS Certification (Annual)</p> <p>(2) Patient safety goals (Annual)</p> <p>(3) Stroke Education Plan-8 hours of mandatory stroke education incorporated into annual</p>			<p>ALL</p> <p>RN</p> <p>ALL</p>

	education plan for core NM RN Staff iii) Available reference and resource materials for staff			ALL
	b) EMS Education			RN
	c) Public Education i) Stroke screening events ii) Public education events			RN
	d) Staff participation in public/professional education			RN; LPN
	VI) Outcomes measurement through data management			ALL
	a) Confidentiality & security of patient information			ALL
	b) JC indicators, acute stroke response teams, other program quality indicators i) gathering of information about patient disease/condition ii) sharing of information (benchmarking) iii) analyzing data & utilizing data for continuous quality improvement processes			ALL