

## TENECTEPLASE FOR ACUTE ISCHEMIC STROKE

<b>Situation</b>	Tenecteplase has been chosen as a replacement for alteplase as the IV thrombolytic of choice for the treatment of Acute Ischemic Stroke at Baptist Health.
<b>Background</b>	<ul style="list-style-type: none"> <li>• Acute stroke patients who present to Baptist hospitals with a last known well (LKW) time of less than 4.5 hours have been treated with IV Alteplase as a primary intervention and as a standard of care (SOC)</li> <li>• Baptist stroke hospitals have historically used IV Alteplase as the primary thrombolytic therapy for acute stroke patients and recent guidelines have identified alternative thrombolytics as alternative options</li> <li>• Multiple randomized control trials have shown that tenecteplase is non-inferior to alteplase</li> <li>• AHA/ASA 2019 “<b>Guidelines for the Early Management of Patients with Acute Ischemic Stroke</b>” identified IV tenecteplase as a reasonable thrombolytic agent to choose over alteplase for appropriately identified patients</li> </ul>
<b>Assessment</b>	<ul style="list-style-type: none"> <li>• In comparison to alteplase, which requires bolus + infusion, Tenecteplase offers a simplified administration process and eases transfers between units and hospital, as it requires only a single, rapid bolus.</li> <li>• Safety profile of tenecteplase is similar to that of alteplase</li> <li>• Tenecteplase has been identified as a lower cost alternative treatment for acute stroke</li> <li>• IV tenecteplase, like IV alteplase, is considered SOC and will not require signed informed consent for treatment</li> <li>• Inclusion and exclusion criteria and post thrombolytic vital sign and neurological assessments will be unchanged</li> </ul>
<b>Recommendation</b>	<ul style="list-style-type: none"> <li>• All Baptist Health stroke hospitals and Satellite EDs will transition from IV alteplase to IV tenecteplase for acute adult stroke patient treatment as SOC for all eligible adult patients.</li> <li>• Site stroke program leaders, in collaboration with system stroke service line leaders, have designed and operationalized training and education of site staff including nursing staff and providers</li> <li>• <b>All Baptist Health hospitals and Satellite EDs will Go-Live on Thursday December 15, 2022 at 0700</b></li> </ul>

**Questions? Please contact: Wendy Camp, APRN, Director, Stroke and Tele-Stroke Operations, 904-449-0001**

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