



## Neurological Exam To Evaluate Eligibility For Cooling

Time of Birth:		Current Age (in hours/minutes) Hours:		Minutes:	Determination (0, 1, 2, or 3)
Circle findings for each domain. Patient is eligible for cooling if 3 or more domains with findings in stages 2 or 3.					
Stage	Normal (0)	Mild (1)	Moderate (2)	Severe (3)	
<b>Spontaneous Activity</b>	Normal/active	Jittery/increased	Decreased	No activity	= _____
<b>Posture</b>	Normal (moves around and does not maintain only one position)	Slight extension of arms and legs, and/or slight flexion of wrists, ankles, fingers, or toes	Extension of arms and legs (including a “frog-legged” position) and/or strong flexion of the wrists, ankles, fingers or toes	Decerebrate (all extremities rigidly extended)	= _____
<b>Level of Consciousness</b>	Normal (arouses to an awake state and responds to external stimuli)	Hyperalert or inconsolable/irritable	<b>Lethargic</b> Can elicit a response with stimulation, but may be delayed	<b>Stupor/Comatose</b> Unresponsive or barely responsive to touch/external stimuli	= _____
<b>Tone</b>	Normal (resists passive motion)	Slightly increased	Hypertonic or hypotonic/floppy	Flaccid (like a rag doll)	= _____
<b>Primitive Reflexes</b> <i>(select the <b>worst</b> item for suck or moro)</i>	<b>Suck:</b> strong/rhythmic <b>Moro:</b> normal (extension of limbs, opening of hands, followed by adduction of upper extremities)	<b>Suck:</b> effective but uncoordinated <b>Moro:</b> hyperreactive (low threshold to elicit)	<b>Suck:</b> weak or biting <b>Moro:</b> incomplete	<b>Suck:</b> absent <b>Moro:</b> absent	Select <b>highest</b> stage for primitive reflex for determination  = _____
<b>Autonomic Nervous System [ANS] (vital signs)</b> <i>Select the <b>worst</b> for the ANS findings. Ex: if infant is intubated, circle the severe respirations item (column 3)</i>	<b>Respirations:</b> regular respiratory rate and spontaneous breathing with no abnormal pauses <b>Heart rate:</b> normal range for age and variable with movement, crying	<b>Respirations:</b> tachypnea <b>Heart rate:</b> tachycardia	<b>Respirations:</b> periodic or irregular breathing <b>Heart rate:</b> <100 bpm, but variable up to 120 bpm	<b>Respirations:</b> intubated or receiving PPV via mask or laryngeal mask airway (LMA) <b>Heart rate:</b> little variability in rate, may be irregular, may be bradycardic	Select <b>highest</b> stage of the 3 ANS for determination  = _____
<b>ANS (pupils)</b>	<b>Pupils:</b> normal size, reactive to light	<b>Pupils:</b> mild dilation, but reactive to light	<b>Pupils:</b> constricted, but reactive to light	<b>Pupils:</b> dilated and either fixed or sluggishly reactive; asymmetric	

**Seizures:** if the infant is <6 hours old and meets the gestation, weight, and blood gas criteria and has a clinically recognized and/or electrographic seizure, the patient is eligible for cooling regardless of the rest of the exam findings. However, complete the entire neurological exam to establish a baseline exam.

 <b>Observe infant first</b>	 <b>Hands on exam</b>
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