

SW1208

v1.00 - 04/2023 WINC Code: 1NY42439

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Encephalopathy Severity (Modified Sarnat) Assessment

Facility:	
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Instructions

- · Assess baby's signs against each criterion.
- Record hourly the actual time of assessment during first 6 hours of life.
- Record severity for each sign (normal, mild, moderate, severe) or N/A if not assessable.

SOURCE: Queensland Clinical Guideline: Hypoxic-ischaemic encephalopathy (HIE)

	(Affix identification label here)					
URN:						
Family name:						
Given name(s):						
Address:						
Date of birth:		Sex:	\square M	F		

Encephalopathy Severity (Modified Sarnat) Assessment			Hours from birth/Actual time							
Assessment					1h	2h	3h	4h	5h	6h
criteria	Normal (N)	Mild (Mild)	Moderate (Mod)	Severe (S)	:	:	:	:	:	:
Level of consciousness	Alert/arouses appropriately	Hyperalert	Lethargic	Stupor or coma						
Spontaneous activity	Normal	Normal or increased	Decreased	None						
Posture	Normal	Normal or mild distal flexion	Distal flexion, complete extension	Decerebrate						
Tone*	Normal	Normal or increased in trunk and extremities	Hypotonia (focal or general)	Flaccid						
Suck reflex	Normal	Normal or incomplete	Weak	Absent						
Moro reflex	Strong	Strong, low threshold	Incomplete	Absent						
Autonomic system	Pupils equal and reacting to light; normal heart rate and respirations	Pupils equal and reacting to light; normal heart rate and respirations	Pupils constricted; bradycardia or periodic/irregular breathing	Pupils deviated/ dilated/non-reactive; variable heart rate or apnoea						
Seizures	None	None	Common, focal or multifocal	Uncommon (excluding decerebration)						

*Assess tone in both limbs and trunk/neck – presence of hypotonia in either meets the criteria.

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Encephalopathy Severity (Modified Sarnat) Assessment

	(Affix identification	label her	e)		
URN:					
Family name:					
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Date of birth:		Sex:	M	F	

		Date of birth:	Sex: M F I		
Therapeutic Hypothermia Criteria					
Evidence of acidosis or depression at birth, as	indicated by at least one of the following:				
APGAR score ≤ 5 at 10 minutes					
<u> </u>	ol/L on a cord/arterial/venous/capillary blood gas obtaine	d within 60 minutes of birth			
Mechanical ventilation or ongoing resuscita	ation for ≥ 10 minutes				
AND ONE OR BOTH OF THE FOLLO	WING:				
Evidence of moderate or severe encephalo	ppathy* at any time from 1–6 hours of age (use modified	Sarnat assessment)			
Seizures (witnessed by medical officer/nur	se/midwife or as seen on an aEEG/EEG)				
AND					
Has no absolute contraindications to therapeu	tic hypothermia:				
Uncontrolled critical bleeding					
Uncontrolled hypoxia due to persistent pul	monary hypertension				
Imminent withdrawal of life support planne	d				
AND					
Meets the following criteria:					
35 weeks**					
Birth weight 1800 grams***					
Able to begin cooling before 6 hours of age					
Assessment of relative contraindications performed (major congenital abnormalities, uncontrolled pulmonary hypertension, major surgery required in first 72 hours of life)					
Assessed as not moribund and with plans	for full care				
Consult a neonatologist if: *Evidence of m	ild encephalopathy **Less than 35 weeks gestational	age ***Less than 1800 gram	1		