

SARNAT & THOMPSON ENCEPHALOPATHY: SCORE SHEET

Name:		Date of Birth:		IP Number:	
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SARNAT STAGING:

Grade 1: Mild encephalopathy. **LOC**-infant hyper-alert, irritable & over-sensitive to stimulation. **Tone**- Normal/hypertonic. **Tendon reflexes**-Increased. **Complex reflexes**-Normal. **Sympathetic over-stimulation**- tachycardia, dilated pupils & jitteriness. **aEEG**- normal. No seizures. **Thompson score:** 1-10, normal on Day 7. **Prognosis**-Normal.

Grade 2: Moderate encephalopathy. **LOC**- lethargic. **Tone**- truncal hypotonia, proximal weakness. **Tendon reflexes**-Increased. **Complex reflexes**-weak. **Parasympathetic over-stimulation**- low resting heart rate, small pupils, and copious secretions. **aEEG**- abnormal. 70% of infants will have frequent seizures. **Thompson score:** 11-14. **Prognosis**-80% normal. Best response to brain/body cooling. **Commence within 6 hrs if Thompson score >7 before 6hrs.**

Grade 3: Severe encephalopathy. **LOC**- stuporous/coma. **Tone**- flaccid. **Tendon reflexes**-depressed/absent. **Complex reflexes**-absent. Drooling of saliva due to poor swallow and gag. **AEFG**-abnormal with decreased background activity and/or voltage suppression. Frequent seizures. **Thompson score** 15-22, remains abnormal on Day 7. **Prognosis**-50% Death and 50% major sequelae.

Initial Sarnat Grade:		Date:		Time:		Sign:	
Discharge Sarnat Grade:		Date:		Time:		Sign:	

THOMPSON SCORE:

Score				Date															
Sign	0	1	2	3	<6hrs	12hrs	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14
Tone	Normal	Hyper	Hypo	Flaccid															
LOC	Normal	Staring	Lethargic	Comatose															
Fits	None	<3/day	3 or more/day																
Posture	Normal	Fisting	Strong distal flexion	Decerebrate															
Moro	Normal	Partial	Absent																
Grasp	Normal	Poor	Absent																
Suck	Normal	Poor	Absent +/-bites																
Respiration	Normal	Hyper	Apnoea	IPPV															
Fontanelle	Normal	Full	Tense																

LOC=Level of consciousness

Total:																			
Management:																			
Management options: Midazolam (M), Diazepam(D), Lorazepam(L), Phenobarbitone (P), Cooling (C)																			
Sign:																			