

## REPORTING FORM FOR INFANT WITH NEONATAL ENCEPHALOPATHY

## Neonatal encephalopathy:

A clinically defined syndrome of disturbed neurological function within the first week of life in the term of an infant, manifested by difficulty in initiating and maintaining respiration, depression of tone and reflexes, subnormal level of consciousness and often seizures. The severity of the encephalopathy is measured by the Sarnat stages 1, 2, or 3 or as mild, moderate and severe. Details of this staging classification are given in the Table below.

	Stage 1/ Mild	Stage 2 / Moderate	Stage 3 / Severe
Level of	hyperalert	lethargic or obtunded	stuporous
consciousness			
Muscle Tone	normal	mild /moderate hypotonia	flaccid
Posture	mild distal flexion	strong distal flexion	intermittent decerebration
Stretch reflexes	overactive	overactive	decrease or absent
Suck	weak	weak or absent	absent
Moro	Strong / low	Weak / incomplete high	absent
	threshold	threshold	
<b>Autonomic Function</b>	generalized	generalized parasympathetic	both system depressed
	sympathetic		
Seizures	none	Common / focal or multifocal	uncommon

	nat stage of encephalop Severe	athy during admission? (	select one)
	t seven days after birth.	th <b>moderate or severe ne</b> If the child has mild encep	
PLEASE RE	TURN THE FORM EVEN IF YOU	ARE UNABLE TO ANSWER ALL Q	UESTIONS
		or lead maternity carer) wildential (see study information	
1. Baby's NHI:		Mother's NHI:	
2. Baby's first name(s):		Mother's first name(s):	
3. Baby's last name(s):		Mother's last name(s):	
4. Gender: Male	Female	Undetermined	
5. Baby's ethnicity (Sele	ct <b>all</b> relevant)		
New Zealand European	n	Tongan	
Māori		Niuean	
Samoan		Chinese	
Cook Island Māori		Indian	
Other (such as Dutch,	Japanese, Tokelauan), If	other please state:	

6. Date and time of birth:			
Date://	DD/MM/YYYY) Ti	ime::hrs (24	1 hour Clock)
7. Gestation at birth:	☐☐ Wks ☐ days		
8. Baby's Birth Weight:	Baby's Length:	Baby's Head Ci	rcumference
grms	cm	cm	
9. Apgar scores:	_		
1min 5min	10min	15min	20min
10. Cord gases:	Obtained (give result be	elow) Not taken	
If no cord gas taken but arter	ial gas obtained < 1 hour a	ifter birth (tick here a	and give result below)
nU	Arterial	Venous	
pH Base deficit +/		+/-	
Lactate			
11. Resuscitation at birth: Was the baby resuscitated at	birth? Yes	No 🗌	Unknown
Resuscitation methods:	(Select all relevant) IPPV in	termittent positive pressure venti	ation ETTendotracheal tube
Stimulation/suction?			
Oxygen only	IPPV with mask	IPPV with ETT	
Cardiac massage	Adrenaline	Unknown	
12. Was the baby transferre	ed from their place of birt	h?	
	Yes	No 🗌	Unknown
(If "yes" is selected then please	•		
13. Where was the baby tra	Level II / SCBU	Select one) Post Natal Ward	
Home	Other	Please state other:	
		r loude diale differ. [	
14. Were there any subsequ	uent transfers? Yes	No 🗌	Unknown
Date and time of first transf	er:		
Date:	(DD/MM/YYYY)	Time: hrs	(24 hour Clock)
Date and time of any subsequ	<u> </u>	Please specify location	,
Date://	DD/MM/YYYY)	Time: : hrs	(24 hour Clock)
Date and time of any subsequ	uent transfer:	Please specify location	:
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	Yes	No	Unknown
Nitric oxide	Yes	No 🗌	Unknown
b) Infection			
Positive blood culture (tick if yes)	Yes	No 🗌	Unknown
Specify organism if positive:			
Antibiotics	Yes	No 🗌	Unknown
c) Neurology			
Anticonvulsant therapy (tick if yes)	Yes	No 🗌	Unknown
Drugs used:			
Phenobarbitone Phen	ytoin	Benzodiazepines [	
Lignocaine Other	·	Please state other:	
- Electroencephalograph:	Yes	No 🗌	Unknown
Day of life EEG performed:	Result (select	t one) <i>(For definition see s</i>	<u>—</u>
Normal	,	, ,	Severely abnormal
			,
- Neuroimaging with MRI :	Yes	No 🗌	Unknown
Day of life MRI performed:			
Normal or only mildly abnorm	al Mod/sev	erely abnormal	
		_	
- Induced hypothermia / cooling	Yes 🗌	No 🗌	Unknown
Total Bo	ody Selectiv	No e head cooling	Unknown 🗌
Total Bo	ody Selectiv	e head cooling	
Total Bo	ody Selectiv	e head cooling	Unknown
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Total Bo  Date and time when cooling com  Date:	ody Selective  Immenced:  DD/MM/YYYY)  Ct all relevant)  Yes  Yes  Yes  Yes	e head cooling	hrs (24 hour Clock)  Unknown  Unknown  Unknown

## 16. Systems Review - Contributory and Causative factors Contributory factors may be highly specific to the death or generalised to the system(s). Identifying contributory factors that occur, and are inherent in, the system is an important part of the review. Were there any features that caused or contributed to an unsatisfactory neonatal resuscitation? No Unsure Yes If unsure please read following questions: Have any organisational and/or management factors been identified? Have factors relating to personnel or training been identified? Have factors relating to technology or equipment been identified? Have factors relating to the environment been identified? Have factors relating to the woman and her family been identified? Give further details here if required: 17. Discharge Information at time of discharge from your unit (DD/MM/YYYY) Is Discharge home? Yes No If no, specify location: Examination on discharge? Normal / Mild or moderate abnormality / Severe abnormality (circle) Feeding method on discharge? (Select all relevant) Full sucking feeds Yes Unknown Feeding support Yes No Unknown Respiratory support required? (Select all relevant) Yes No Unknown Suctioning Oxygen Yes No Unknown Anticonvulsants therapy? Ongoing therapy No Unknown If yes please state drugs: Support services involved? Ongoing involvement Yes No Unknown If yes please state them: 18. LMC Details: LMC details are required so we can contact them under the auspices of the PMMRC and collect further details of the perinatal/antenatal course. Name: Address: **Contact Phone: Contact Email:**

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which you consider may	have contributed	to the outcome. (F	Please continue over	page)	may have contributed to the outcome. (Please continue over page)				
Form completed by:									
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lame: Designation:									
lame: Designation:									
lame: Designation: Contact Phone:									
Form completed by: Name: Designation: Contact Phone: Contact Email: Date:									

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