SEVERE NEONATAL HYPERBILIRUBINAEMIA ≥450 micromol/L

New Zealand Paediatric Surveillance Unit

If you have any questions about this questionnaire please contact Professor Brian Darlow brian.darlow@otago.ac.nz
or Dr Roland Broadbent roland.broadbent@otago.ac.nz if you wish to discuss this

REPORTING CLINICIAN: 1				
2. Month/Year of Report:/_ PATIENT DETAILS:	3. Date que	estionnaire complete	ed://	
4. First 2 letters of first name:	5. First 2 letters of s	surname:		
6. Date of Birth://	Time of Birth:	_(24hr clock)		
7. Sex: M F	8. Post code of fam	ily: 🔲 🔲 🔲		
9. Child's Ethnicity:		□lwi □Chinese	□Samoan □Indian	☐Tongan ☐Other
10. Child's skin colour:	☐ Dark	☐ Oriental		
11. Parents' country of birth: Mc	ther	Father		
If this patient is primarily cared for questionnaire details above this line no other report is received for this cl	and return to NPSU. Plea	ase keep the patient'	s name and other	r details in your records. It
The primary clinician caring for this	child is: Name:		Hospita	al:
<u>Instructions</u> : Answer each question by ticking Applicable	g the appropriate box or writing	your response in the spa	ace provided. DK= D	on't Know, NA = Not
PERINATAL INFORMATION				
12. Gestationweeks	DK 13. Birthwe	ightgra	ams 🗌 DK	
14. Antenatal management of Rhes	us disease?	Yes □No	□DK	
If yes, details please:				
15. Mode of delivery:	☐Vaginal bree	ch	□Forceps	☐ Caesarean
16. Where did the birth take place:	□Hospital	□Home		
17. Apgar scores: 1 minute: 5 m	inutes: 10 minutes:_			
18. Arterial cord gas result if availa	<i>ble</i> : pH Base	deficit		
19. Marked bruising eg. large cepha	alohaematoma: Yes	□No	□DK	
If yes, please give details				
20. Mode of feeding prior to the dev ☐Breast only ☐Formula only ☐Co Describe timings if mode of feeding	ombination	erbilrubinaemia		

PRESENTATION and DIAGNOSIS					
21. Was this infant re-admitted with jac	undice after initial	ly being discharged?	□Yes	□No	□DK
If NO PIs go to Q27 If yes If initially discharged from hospital before		scharge://_ please give hours of age	 e at discharge:		
22. What kind of post discharge survei ☐None	illance was there	after initial discharge?			
☐Hospital Based Midwifery Discharge☐GP	e Support				
Community Based Midwifery Suppo	ort				
Paediatrician					
Other (Specify):					
23. Time and date of readmission:	Date/_	/ Time:	(24hr clo	ock)	
24. Source of referral for the readmiss Hospital Based Midwifery Discharge GP					
Community Based Midwifery Suppo	ort				
Paediatrician					
Self referred					
Other (Specify):					
25. Weight on readmission:	(grams)	☐Not weighed	□DK		
26. Dehydrated on re-admission	□Yes	□No	□DK		
	Plasma sodiur	nmmol/L	☐Not measure	ed □DK	
DIAGNOSIS					
27. Date and time of diagnosis of seve	ere hyperbilirubina	aemia://	Time:	(24hr clo	ock)
	Retrospective dia	50µmol/L Need for exchanges on basis of MRI of agnosis on basis of clinical	changes?	_	o to Q44 So to Q44
• • • • •	hyperbilirubinaem s	nia: Hypotonia: Convulsions:	□Yes □No □Yes □No	□DK □DK	
Other (Specify)					
30. Highest Bilirubin result recorded fo	or this infant:	µmol/L			
31. Total duration of elevated bilirubin	≥ 450 µmol/L:	(hrs and minutes)			

DATE	TIME (24 hr clock)	TOTAL BILIRUBIN µmol/L	DATE	TIME (24 hr clock)	TOTAL BILIRUBIN μmol/L
		TTREATMENT(µmol/L). Ple			treatment commenced.
DATE	TIME (24 hr clock)	ntout of all serum bilirubii TOTAL BILIRUBIN µmol/L		TIME (24 hr clock)	TOTAL BILIRUBIN µmol/L
	i i i i i i i i i i i i i i i i i i i			(2 : 6:66:1)	
	•				
4. Associ	ated dehydration with	hyperbilirubinaemia?		□Yes	□No □DK
laema en	odiummmol/L	. Not measured	Date	/ /	Time:(24hr clock
iasina so	Maidin		Date		(2411 6106)
5. Did the	e infant have associate	ed culture positive systemic	infection?	□Yes	□No □DK
Yes , SIT	E:	ORGANIS	M:		
s Lowes	t albumin laval	g/l Date//	Timo:	(24hr ol	lock)
o. Lowes	t albumin level	. g/i Date///	111116	(24111 CI	lock) [INOt measured []D
7. Lowes	t blood pH	Date//	Time: _	(24hr d	clock)
م المناطات	infant have ather as	ious masubiditus		□ V 22	
s. Did the	e infant have other ser	ious morbialty?		□Yes	□No □DK
Yes , Ple	ease specify (eg hypoxic-is	chaemic encephalopathy,hypoglycaem	ia, liver diseas	se)	
9 . Cause	of hyperbilirubinaemia	a:			
	ogical				
ABO ind	compatibility:	Probable (Coombs posit	ive) 🔲 Po	ssible (Coombs neg	gative)
Rhesus	isoimmunisation				
Glucose	e-6-phosphate dehydr	ogenase deficiency			
Mothe	r's Blood Group				
☐ Baby's	Blood Group				
Materr	nal antibody/titre				_
Other	•				
					-
IANAGE					
	herapy used? ase record times and	☐Yes ☐No	□D	K	
i es, pie	ase record times and	นสเธง.			
DATE	Start (24 hr clock)	End (24 hr clock)	DATE	Start (24 hr clock)	End (24 hr clock)
	-			,	

41. Albumin infusion?	□Yes □No	□DK	If yes, time ar	nd date comme	enced	
42. Immunoglobulin infusion	□Yes □No	□DK	<i>If yes</i> , numbe	r of doses		
43. Exchange transfusion Time and dates	□Yes □No		If yes, how ma			
44. Was magnetic resonance im	naging brain sca	an done?		□Yes	□No	□DK
If Yes, Date//	_and Result:					
☐Increased signal on T2-weigh	nted images in (globus pa	allidus			
☐Abnormal but not consistent v	with bilirubin tox	kicity, (sp	ecify):			
Other: (specify):						
OUTCOME						
45. Did the baby survive	□Yes □No	□DK		If Yes, date	of discharge	/
Serum bilirubin closest to discha	arge: µm	ol/L Neu	ırological status	normal at disc	charge?	Yes □No □DK
Hearing screen done?	□Yes □No	□DK				
If Yes, Result:						
If baby died, date of death:	//	_Was a	post-mortem co	nducted		Yes □No □DK
If Yes, did the post-mortem sho	w kernicterus []Yes □]No □DK Or	other associat	ed pathology []Yes
If Yes, (specify):						
46. Which of the following factor						
☐ Technical errors (eg equipme	ent failure).	·				
	•					
Organisational factor (eg pol						
Please detail:						
Human Behaviour (eg inadequate knowledge, training, coordination, assessment, intervention or monitoring.						
Please detail						
☐ Patient related factors (eg re	ligious conviction	ons).				
Please detail:						
FOLLOW UP TRACKING INFO	RMATION					
Please provide details of the phy	ysician from wh	nom follov	w-up information	n can be obtaiı	ned:	
Please print Name:			Phone No:		E-mail:	
Do you have any other comments about this infant?						

THANK YOU FOR COMPLETING THIS QUESTIONNAIRE Please return this questionnaire in the addressed reply-paid envelope to: Dr Roland Broadbent, Department of Women's and Children's Health, Dunedin School of Medicine, PO Box 913, Dunedin 9054.