Early-onset neonatal sepsis and meningitis (NSM)

CANADIAN PAEDIATRIC SURVEILLANCE PROGRAM

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REPORTING INFORMATION (To be completed by the CPSP Senior Coordinator) Report number: Month of reporting: Province: Today's date:

Please complete the following sections for the case identified above. Confidentiality of information will be assured.

CASE DEFINITION FOR EARLY-ONSET NEONATAL SEPSIS AND MENINGITIS Report any neonate less than seven days of age presenting with one of the following: Positive blood culture* AND/OR • Positive cerebrospinal fluid (CSF) culture* from a lumbar puncture (LP) Neonates with possible nosocomial infections should also be reported. * Culture growth includes bacterial or fungal pathogens. **Exclusion criteria** 1) Neonates who are asymptomatic with positive culture, such as coagulase-negative Staphylococcus, Diphtheroids, Corynebacterium spp., Bacillus spp., Propionibacterium spp., Aerococcus spp., Micrococcus spp. 2) Positive CSF from a drain, reservoir, shunt, or intracranial surgical procedure. Month first seen **SECTION 1 – DEMOGRAPHIC INFORMATION** A) Neonate Date of birth: ____ /__ /__ Time of birth: ____ 1.2 Sex: Male ___ Female ___

B) Mother 1.3 Place of residence (province/territory): _____ 1.4 Age at delivery (years): Ethnicity (check all that apply): 1.5 Arab ___ Black ___ Chinese ___ Filipino ___ Japanese ___ Korean ___ Latin American ___ South Asian (e.g., Bangladeshi, Punjabi, Sri Lankan) ____ Southeast Asian (e.g., Vietnamese, Cambodian, Malaysian, Laotian) ____ West Asian (e.g., Afghan, Assyrian, Iranian) ____ White ____ First Nations ___ Inuit ___ Métis ___ Other (specify) ______ Unknown ___ 1.6 Gravida ___ Para ___ Abortions – Spontaneous: Yes ___ No ___ Unknown ___ Number(s) ____ - Therapeutic: Yes ___ No ___ Unknown ___ Number(s) ____ SECTION 2 - MATERNAL FACTORS PREDISPOSING TO NEWBORN INFECTIONS Maternal GBS status: Positive___ Negative___ Unknown ___ Gestational age tested _____ 2.1 Yes No Unknown 2.2 Maternal urinary tract infection during pregnancy: If yes, specify GBS bacteriuria ____ Other, specify: _____ 2.3 Prolonged rupture of membranes (PROM >18 hours prior to delivery) If yes, specify duration of ROM: _____ hours

SECTION 2 - MATERNAL FACTORS PREDISPOSING TO NEWBORN INFECTIONS (cont'd)

						,	Yes	No	Unknown		
2.4	Premature PROM					-					
	If yes, specify gesta										
2.5	Elevated maternal	-									
2.6	Elevated maternal white blood count (WBC >10,000; after onset of labour)										
2.7	Clinical diagnosis of chorioamnionitis										
2.8	Maternal antibiotics (GBS prophylaxis given) N/A										
	If yes, specify: Type of antibiotic Duration:										
SEC	TION 3 – FAMILY H	ISTORY									
3.1	Previous sibling with neonatal death(s)										
	If yes, specify reason:										
3.2	Previous sibling with neonatal sepsis										
	If yes, specify type:										
SEC.	TION 4 – MEDICAL	HISTORY	•								
4.1				s completed							
4.2	Gestational age at birth: weeks completed Type of delivery: Vaginal Instrumental – Forceps Vacuum Cesarean section										
4.3	APGAR score at 1 minute 5 minutes 10 minutes										
4.4	Birth weight: grams Height: cm Head circumference: cm										
4.5	_	_		_	e at presentation:				days		
	DD MM YYYY								•		
4.6	If readmitted, date	of readmis			Weight on	readmissi	on: _		grams		
	DD MM YYYY										
4 7	Feeding: Breast Formula NPO										
4.7	Clinical signs of sepsis:										
	Lethargy	Yes	No	Unknown	Hypotonia	Yes	No)	Unknown		
	Jaundice				Hypertonia						
	DIC*				Shock						
	Hyperthermia/ Hypothermia				Hypoperfusion						
	Seizures				Neutropenia						
	Apnea				Neutrophilia						
	Feeding Intolerance				Thrombocytopenia						
	* Disseminated intravase	cular coagulo	pathy								
4.8	Congenital anomalies: Yes No Unknown										
	If yes, specify:										
4.9	Surgical or other invasive procedures before sepsis: Yes No Unknown										
	If yes, specify:										
4.10	Did the infant have a central line (peripherally inserted central catheter line, umbilical line, central venous li										
	prior to infection: Y	es N	o Hr	nknown							

SECTION 5 – LABORATORY INVESTIGATIONS

5.1 Check all that apply. If a copy of the de-identified microbiology report is attached, this table does not need to be completed.

	Culture	Date drawn DD / MM / YYYY	Date of first reported positive result DD / MM / YYYY	Organism(s)	Antibiotic resistance Yes No					
	Blood 1	/	/		(If yes, specify)					
	Blood 2	/	/		(If yes, specify)					
	CSF		/		(If yes, specify)					
	Urine	/	//		(If yes, specify)					
	Other	/	/		(If yes, specify)					
5.3	Are results compatible with disseminated intravascular coagulopathy (DIC)? Yes No Biochemistry at the time of presentation: Serum sodium BUN Creatinine Bilirubin µmol/L Conjugated bilirubin µmol/L Unconjugated bilirubin µmol/L									
SEC		REATMENT AND O		_ µmol/L Unconjugate	ea bilirubin µmol/L					
SEC	11011 0 - 1	REATMENT AND O	DICOME	Yes No Unk	nown					
6.1	Transfusion									
6.2	Intubation									
6.3	Ionotrope	S			<u> </u>					
6.4	Seizures									
6.5	Still in hos	•	111 -		<u> </u>					
C C	•	al length of stay:	days/weeks							
6.6 6.7	Discharge Death	ea nome			<u> </u>					
0.7		s the infection the car	use?							
6.8	If yes, was the infection the cause? Neurological status at discharge: Normal Unknown									
2.0	•	_		ent Seizures						
				uth an information						

I agree to be contacted for further information.I do not wish to be contacted for further information.

SECTION 7 – REPORTING PHYSICIAN First name______Surname_____ Address______ City_____Province_____Postal code______ Telephone number______Fax number_____ E-mail ______Date completed______

Thank you for completing this form.

(NSM 2011-01)