

Survey

Renal stones and/or unexplained acute renal failure in infants

Is melamine contamination an issue in Canadian infants?

Currently, there is an outbreak of renal stones and renal failure in very young children in China, associated with consumption of milk formula contaminated with melamine. Other dairy products, such as frozen yogurt, chocolate cookies and toffee candies, made in China and exported to other countries have been found to contain melamine.

Infant formula manufactured in China is not approved for sale in Canada. Health Canada has confirmed with the four major manufacturers of infant formula sold in Canada that they do not use any milk ingredients that come from China.

The Public Health Agency of Canada has commissioned this survey to assess if any presentations of renal stones and/or acute renal failure in Canadian children may have been caused by a melamine contamination.



I. Over the past 12 months:

1. Have parents consulted you about possible milk products contamination? Yes ____, how many? ____ No __
2. Have you seen any infants (**less than one year**) with renal stones and/or unexplained acute renal failure? Yes __ No __ **If No, we thank you for participating in this survey.**

II. If yes, how many cases in infants? Renal stones ____ Unexplained acute renal failure ____ Both ____

III. For each case you have seen, please complete this part of the survey (photocopies can be used).

1. Date of birth (day/month/year) _____ Sex ____ Age at presentation: ____ weeks ____ months
Child's ethnicity (check all that apply): Aboriginal ____ Black ____ Caucasian ____
Asian ____, specify _____ Other, specify _____
Born in Canada? Yes ____ No ____, specify country _____ age at arrival _____
Travel outside Canada within the past 12 months? Yes ____, specify country _____ No ____

2. If **renal stones**, on what basis was the diagnosis made? _____
Findings on first urinalysis: Hematuria ____ Proteinuria ____ Leukocytes ____ Other _____
Any evidence of urinary tract infection? Yes ____ No ____
Any evidence of known causes of stones:

	Yes	No	Unknown		Yes	No	Unknown
Hypercalciuria	___	___	___	Distal renal tubular acidosis	___	___	___
Hyperoxaluria	___	___	___	Extreme prematurity	___	___	___
Cystinuria	___	___	___				
Other causes :	_____						

Results of abdominal ultrasounds: _____

Results of other imaging: _____

Any family history of renal stones: _____

3. If **unexplained acute renal failure**, on what basis was the diagnosis made? _____
Highest serum creatinine: _____ micromoles/L
Major investigations undertaken to determine cause: _____
4. Progress and outcome: _____
5. Milk products originating from China used in the past 12 months? Yes ____ Possibly ____ No ____
6. What do you feel was the most likely cause of the infant's renal stones and/or acute renal failure?

Please return this survey as soon as possible in the enclosed postage-paid envelope. Thank you for your participation.

10/2008