

**Supplemental file 4: Table A. Clinical diagnoses of study infants**

Group 1 (Intra-abdominal sepsis), n = 102		Group 2 (Extra-abdominal sepsis), n = 34		Group 3 (Non-sepsis), n = 174	
Diagnosis	No. of infants	Diagnosis	No. of infants	Diagnosis	No. of infants
<i>Focal intestinal perforation:</i>					
<i>Septicemia:</i>					
Stomach	1	Coagulase negative staphylococcus	4	<i>Esophagus:</i>	
Jejunum	1	Staphylococcus aureus	2	Esophageal atresia with tracheo-esophageal fistula	9
Ileum	21	Enterococcus species	1		
Sigmoid colon	1	Escherichia coli	2	<i>Stomach:</i>	
		Klebsiella pneumoniae	2	Aerophagia	2
<i>Enterocolitis:</i>					
Non-specific enterocolitis*	4	Enterobacter species	2	Non-specific gastritis†	17
Hirschsprung disease associated colitis	5	Pseudomonas aeruginosa	1	Pyloric stenosis	1
Necrotizing enterocolitis	55	Serratia species	1		
		Bacillus species	1	<i>Duodenum:</i>	
		Candida parapsilosis	1	Duodenal atresia	3
<i>Peritonitis:</i>					
Intestinal atresia with peritonitis/perforation	6	<i>Urinary tract infection:</i>		Duodenal stenosis	1
Intestinal malrotation with volvulus and intestinal necrosis	2	Enterococcus species	1	Duodenal web	1
		Escherichia coli	2	<i>Jejunum:</i>	
Anastomotic leak with peritonitis	2	Klebsiella pneumoniae	1	Jejunal atresia	1
Long line extravasation with peritonitis	1	Candida albicans	2	Jejunal stenosis	3
Stomach necrosis	2				
<i>Ileum:</i>					
<i>Pneumonia:</i>					
<i>Group B Streptococcus</i>					
			3	Ileal atresia	5
<i>Meningitis:</i>					
<i>Coagulase negative staphylococcus</i>					
			1	Intestinal atresia - multiple sites	2
<i>Group B Streptococcus</i>					
			1	Ileal stricture	1
<i>No organism identified</i>					
			2	Ileostomy bleeding	1
				Intestinal duplication cyst	2
				Intestinal malrotation	6
				Meconium plug, ileus	2
<i>Others:</i>					
Liver abscess with Staph epidermidis septicemia	1				

*Others:*

Clinical sepsis - no organism identified	3	<i>Colon:</i>	
Facial cellulitis	1	Hirschsprung disease	3
		Total colonic aganglionosis with small bowel involvement	1
		<i>Anal:</i>	
		Anal fissure	8
		Imperforate anus	9
		<i>Others:</i>	
		Coccygeal teratoma	1
		Congenital diaphragmatic hernia	6
		Gastroschisis	2
		Gastrointestinal dysmotility of prematurity	51
		Inguinal hernia	1
		Non-specific abdominal distension <sup>#</sup>	26
		Omphalocele	2
		Paralytic ileus secondary to hypokalemia	2
		Swallowed maternal blood	4
		Severe anemia	1

**Note:** In Group 1: \*Non-specific enterocolitis cases were those infants who passed a significant amount of mucus and fresh blood per rectum, but with no radiologic evidence of NEC, and did not require surgery. In Group 3: †Non-specific gastritis was presumably stress-related; ‡Non-specific abdominal distension cases were those infants with generalized dilated bowel segments but without clinical or radiologic features of NEC or bowel inflammation