

Supplementary Table S1. Breeds of foals and adults recovered from surgery.

Breed	Foals recovered (% Short-term survival)	Adults recovered (% short-term survival)
Thoroughbred	9 (92.3)	22 (64.3)
Quarter Horse	1 (33.0)	12 (60.0)
Warmblood	4 (57.1)	10 (90.9)
Arabian	2 (100)	7 (46.2)
Andalusian	2 (66.7)	-
Standardbred	6 (66.7)	7 (100)
Pony	-	2 (66.7)
Morgan	-	2 (20.0)
American Saddlebred	-	2 (50.0)
Tennessee Walking Horse	-	2 (100)
Shire	-	1 (100)
Percheron	1 (100)	1 (100)
Quarab (Arabian-Quarter Horse Cross)	-	1 (100)
Gypsy Cob	-	1 (100)

Supplementary Table S2. Foals recovered from surgery and case-matched adults.

Foal Lesion	Adult Lesion
Intussusception	Strangulating lipoma
	Strangulating lipoma
	Strangulating lipoma
Volvulus secondary to ascarid impaction	Volvulus secondary to jejunal impaction
	Volvulus secondary to ileal impaction
	Volvulus secondary to jejunal impaction
Ileus and volvulus	Volvulus
	Volvulus with ileus
	Strangulating lipoma with volvulus
Umbilical Richter's hernia	Bilateral inguinal hernia
	Left inguinal hernia
	Strangulating lipoma
Intussusception	Gastrosplenic ligament entrapment
	Gastrosplenic ligament entrapment
	Strangulation lipoma
Segmental volvulus	Gastrosplenic ligament entrapment
	Strangulating lipoma
	Strangulating lipoma
Mesenteric volvulus	Mesenteric rent
	Mesenteric rent
	Strangulating lipoma
Mesenteric volvulus	Mesenteric volvulus
	Mesenteric volvulus
	Strangulating lipoma
Umbilical Richter's hernia	Omental rent
	Segmental volvulus
	Herniation through laparoscopic portal site

Small intestinal volvulus	Gastrosplenic ligament entrapment Small intestinal volvulus Small intestinal entrapment in abdominal wall
Volvulus nodosus	Strangulating lipoma Mesenteric root volvulus Segmental volvulus
Segmental volvulus	Mesenteric root volvulus Segmental volvulus Segmental volvulus
Intussusception secondary to intraluminal hamartoma	Adhesions and secondary volvulus Segmental volvulus Left inguinal hernia
Ileal strangulation by mesodiverticular band	Strangulating lipoma Strangulating lipoma Ileal strangulation by nephrosplenic ligament rent
Mesenteric rent	Volvulus secondary to adhesions Volvulus Strangulating lipoma
Volvulus nodosus	Segmental volvulus Segmental volvulus Strangulating lipoma with peritonitis
Ileocecal intussusception	Mesenteric root volvulus Segmental volvulus Mesoduodenal rent
Ischemia secondary to ascarid impaction	Volvulus secondary to omental adhesion to jejunum Segmental volvulus Omental rent with jejunal incarceration
Segmental volvulus	Gastrosplenic ligament entrapment Strangulating lipoma Strangulating lipoma
Segmental volvulus	Omental rent Segmental volvulus Strangulating lipoma
intussusception	Segmental volvulus Strangulating lipoma Intussusception
Segmental volvulus – Necrotizing enterocolitis	Jejunal abscess with adhesion and secondary volvulus Segmental volvulus Strangulating lipoma
Volvulus	Strangulating lipoma Strangulating lipoma Strangulating lipoma
Bilateral inguinal hernias (unreducible left, reducible right)	Left inguinal hernia Left inguinal hernia, traumatic body wall tear Left inguinal hernia
Ruptured inguinal hernia	Left inguinal hernia Right inguinal hernia

Right inguinal hernia
