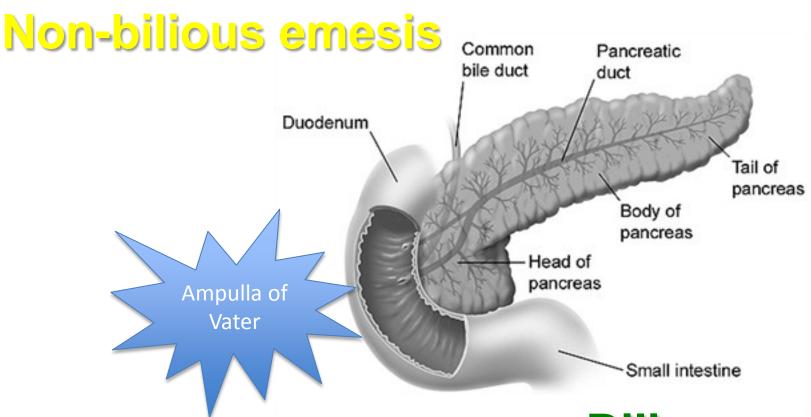
18 day old male with vomiting





What color was it?

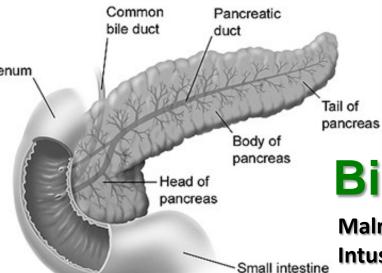


Bilious emesis

Surgical causes of GI obstruction in a newborn

Non-bilious emesis

Pyloric stenosis
Duodenal atresia
Annular pancreas
Esophageal atresia



Bilious emesis

Malrotation with midgut volvulus Intussusception Jejunoileal atresia

Meconium plug syndrome Meconium ileus Hirschprung's disease Imperforate anus

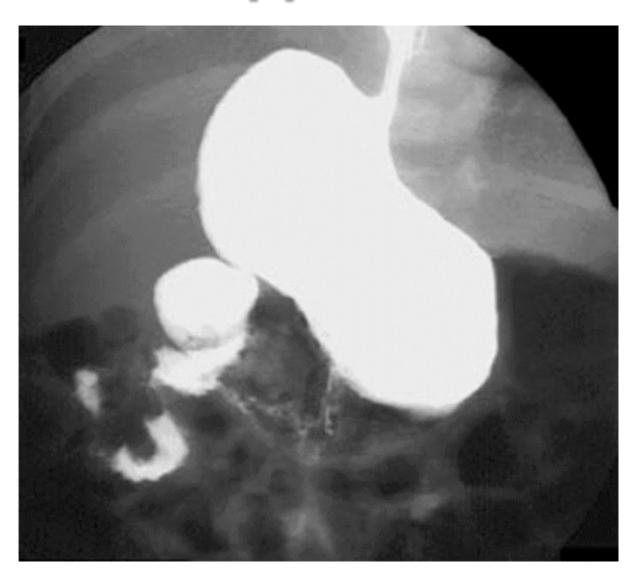
Remember

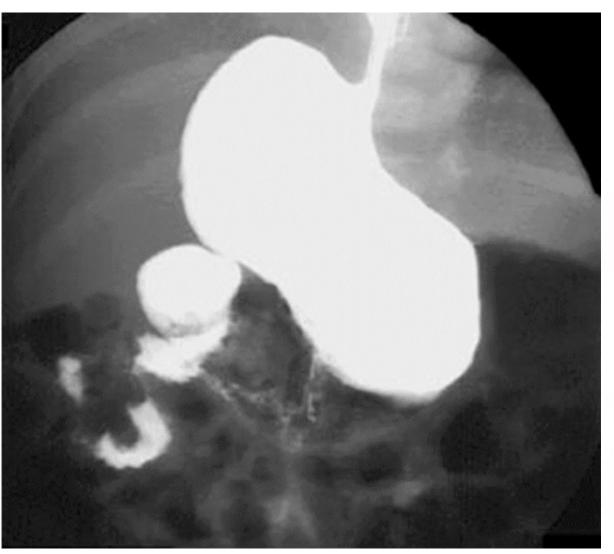
Bilious emesis in a newborn is malrotation with midgut volvulus until proven otherwise!

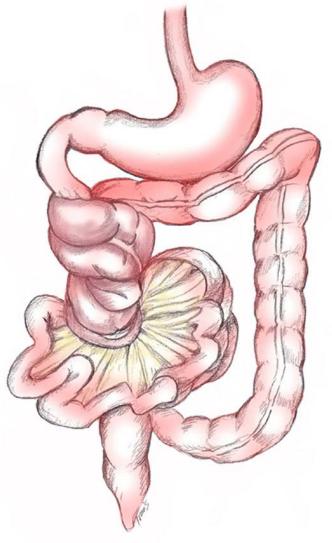
Abdominal XR



Upper GI



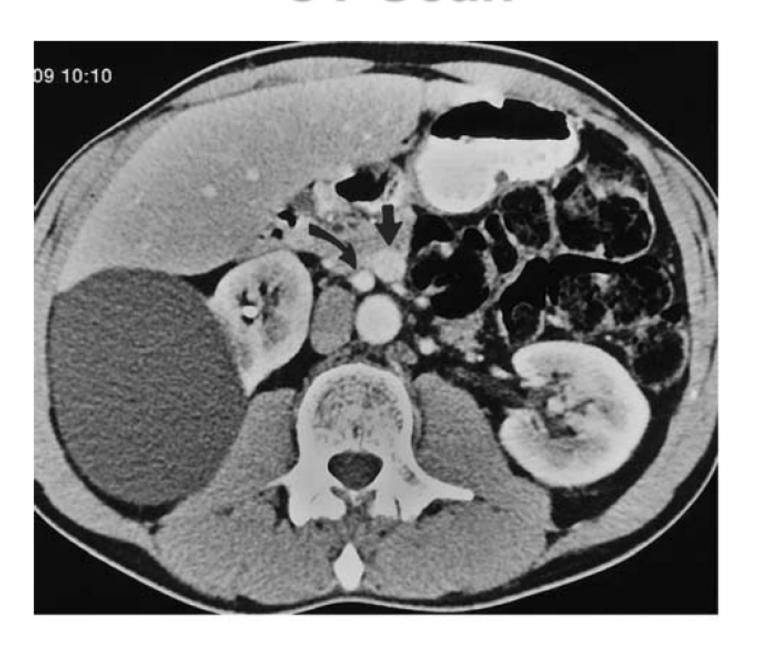




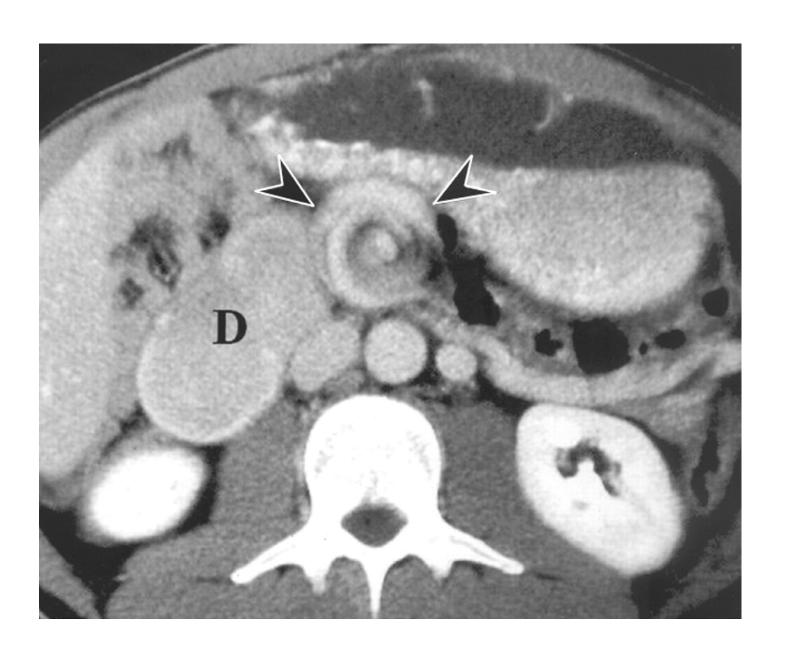
Ultrasound: Whirlpool Sign



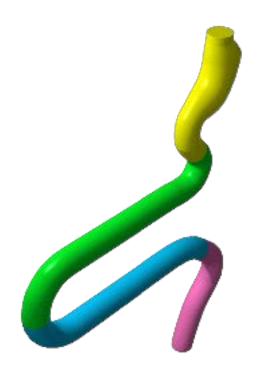
CT Scan



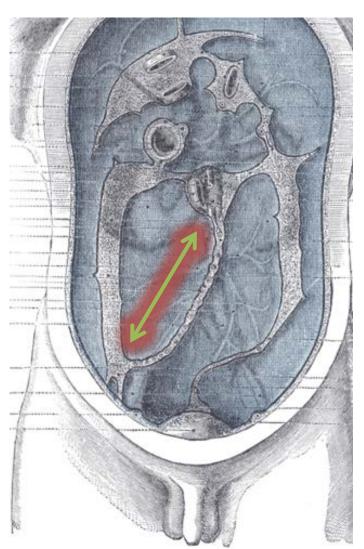
CT Scan

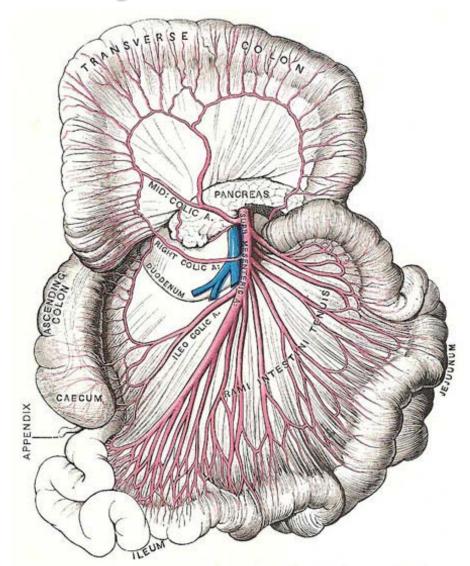


Normal Midgut Rotation

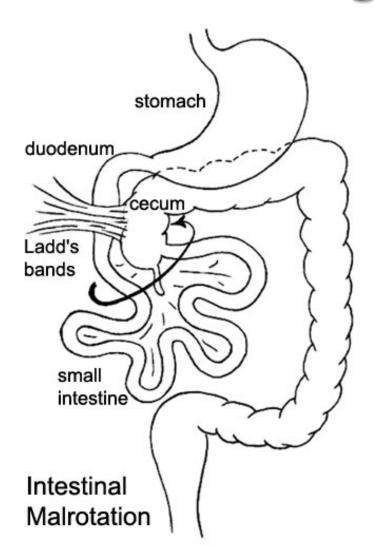


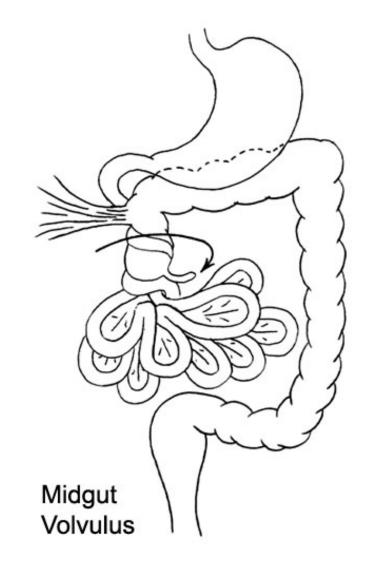
Normally Anchored SB Mesentery



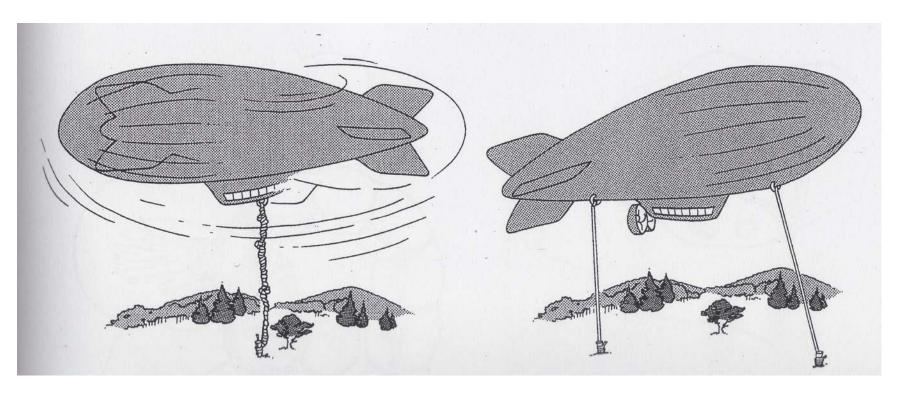


Narrow vascular pedicle allows for midgut volvulus



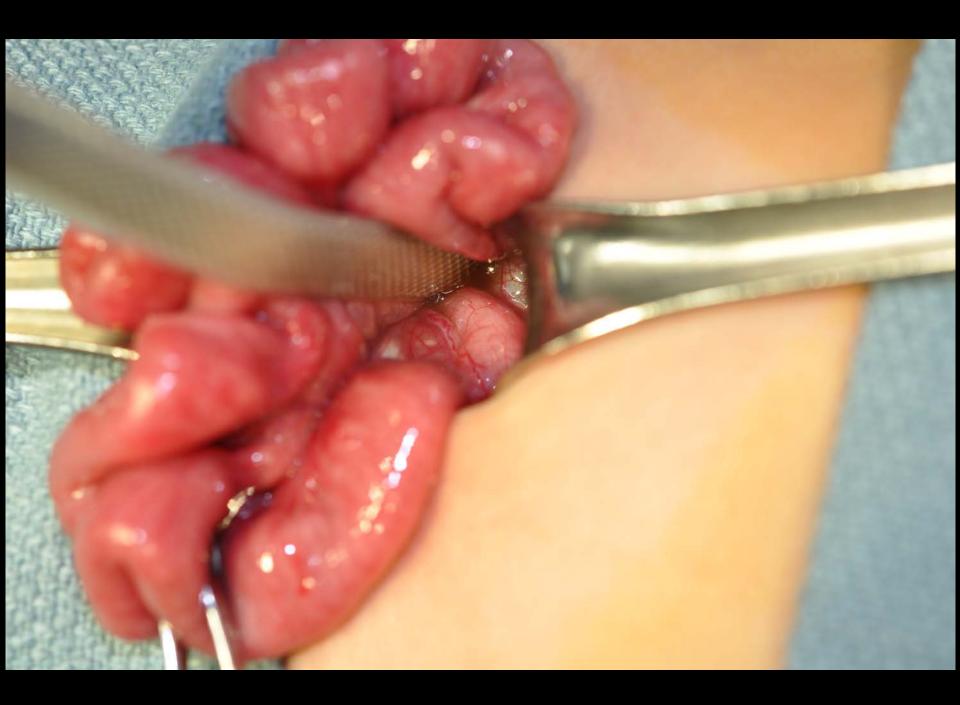


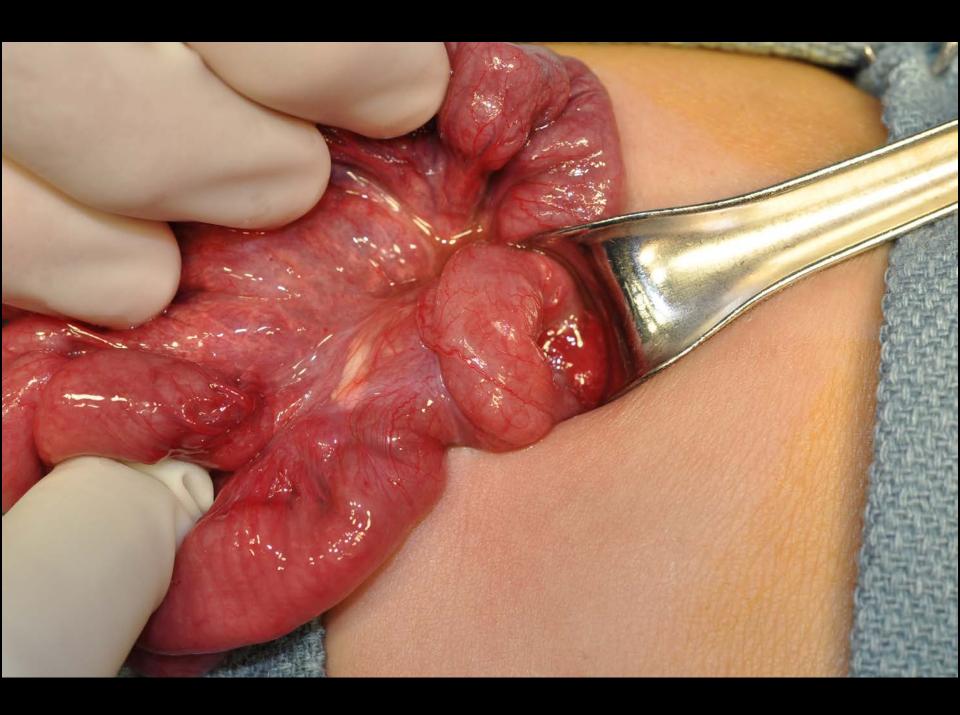
The Root of Midgut Volvulus



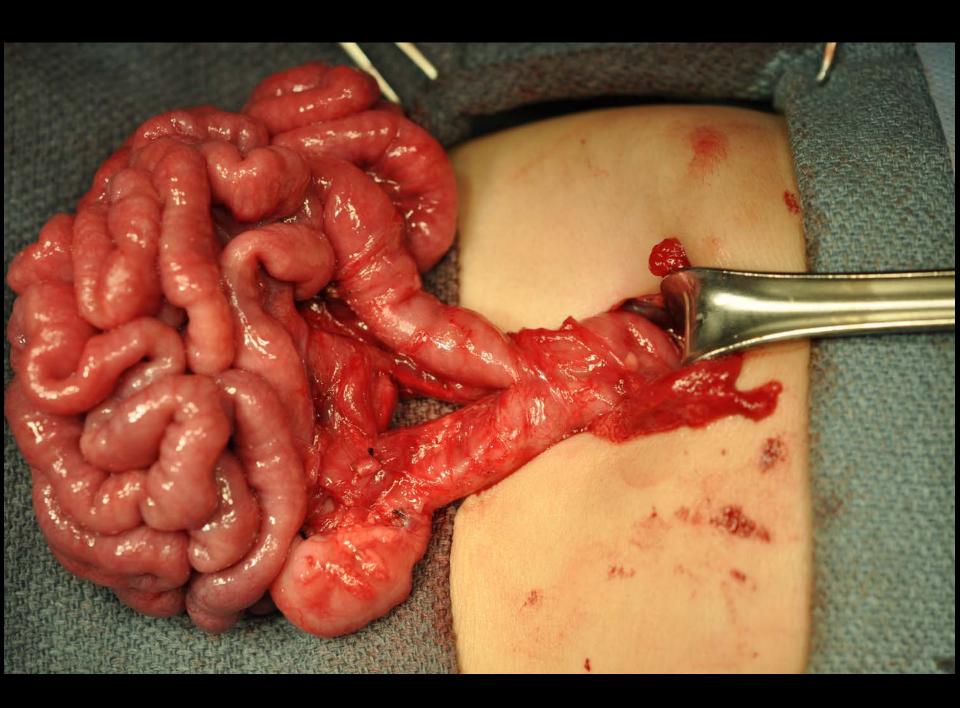
Point-based root of mesentery in malrotation

Broad-based normal root of mesentery



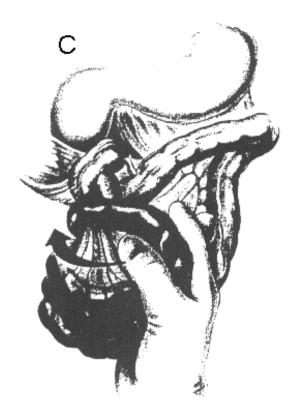


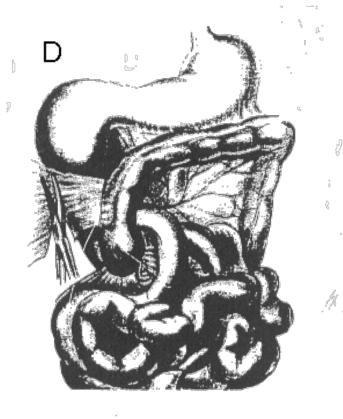




Steps of Ladd's Procedure







Results of Ladd's Procedure

