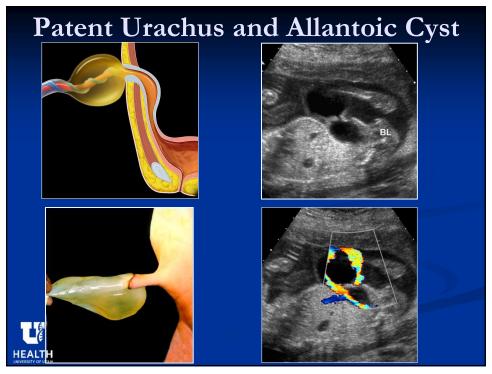
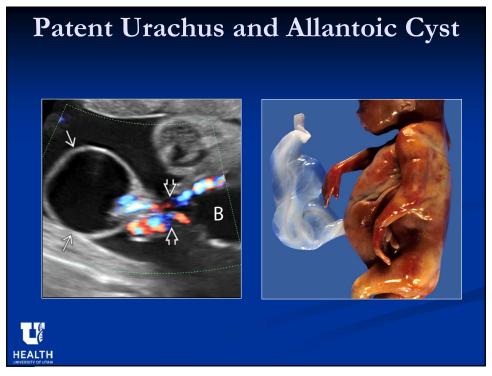
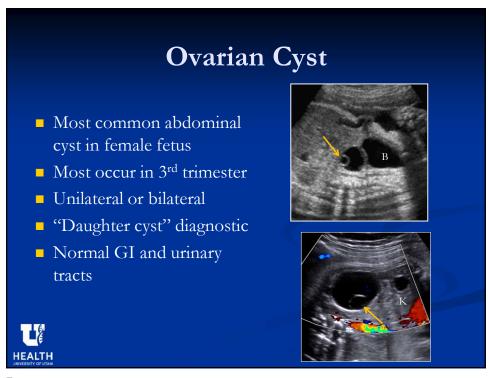
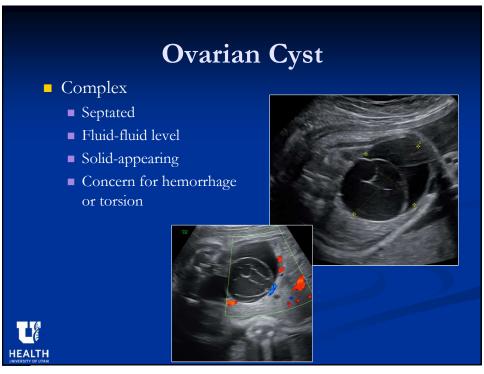


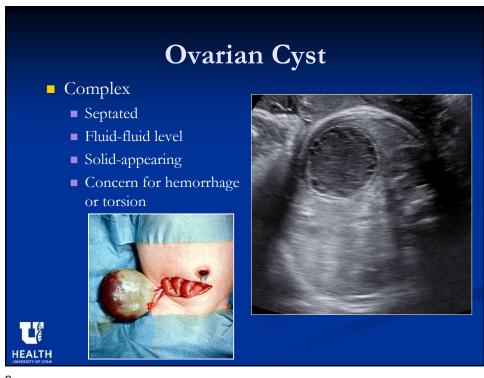
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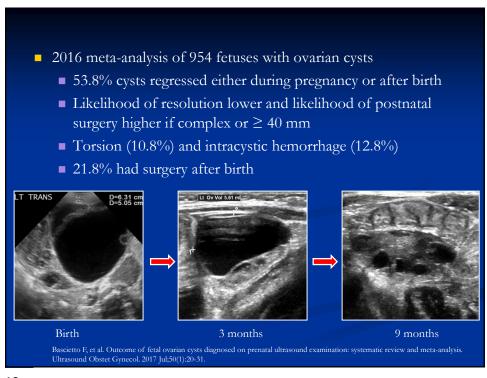












### **Enteric Duplication Cyst**

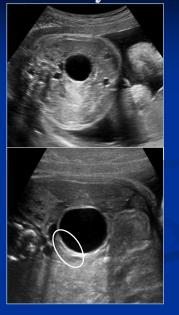
- Solitary, thick-walled cyst
- Look for "gut signature"
  - Layered appearance with echogenic mucosa, hypoechoic muscular layer, echogenic serosa
  - Must use high-frequency transducer
- Rarely bowel dilatation from obstruction

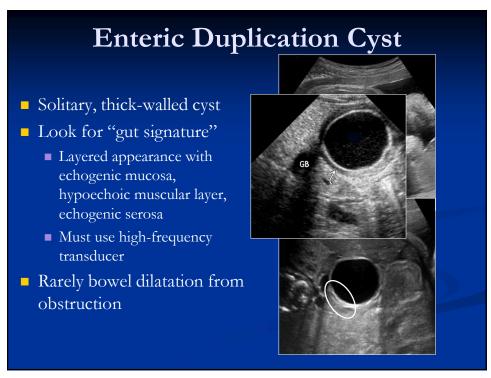


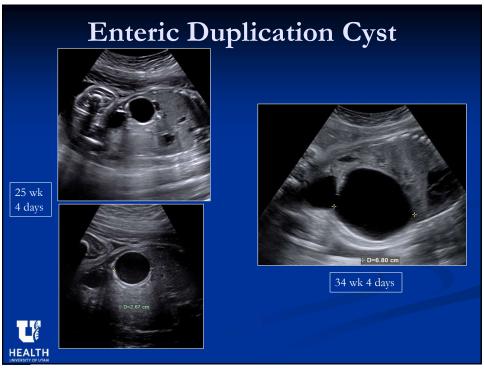
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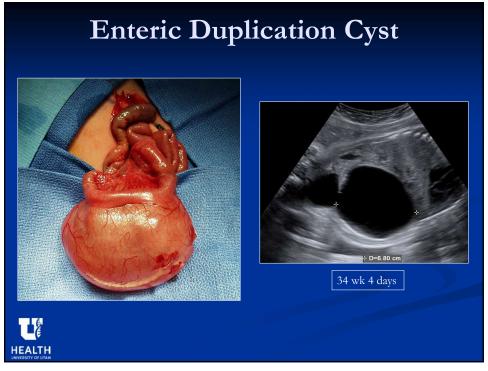
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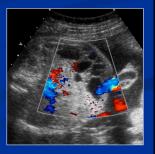


# Lymphangioma

- Lymphovascular malformation
- Sometimes called mesenteric cyst if unilocular
- Typically multiple septations of varying thickness
- Can be very complex, insinuating around organs and extending out of abdomen
- May be intraperitoneal or retroperitoneal







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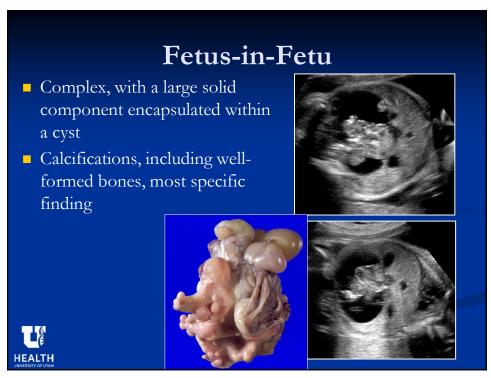


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#### Fetus-in-Fetu

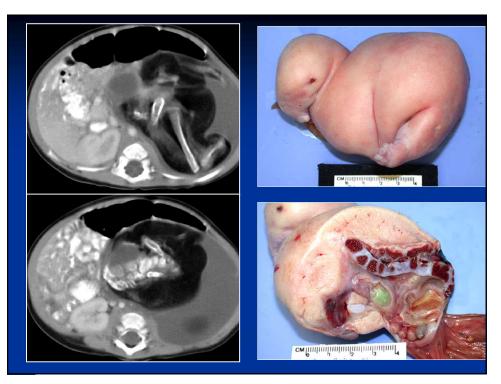
- Historically regarded as well-differentiated teratomas
- Current thinking is parasitic twin
  - Monochorionic, diamniotic twin incorporated into the body of other twin early in development
  - Anastomoses between vitelline vessels
  - Surrounding capsule formed by amniotic membrane
    - Forms fluid-filled cavity
- Axial skeleton surrounded by synchronous organ development around this axis

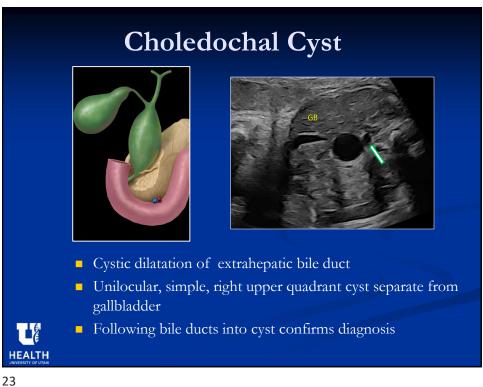


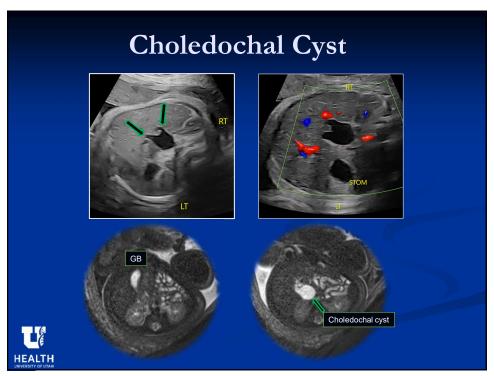








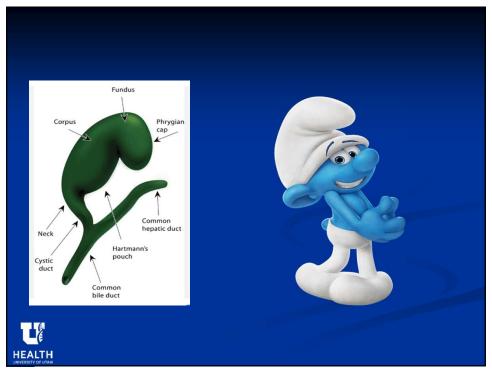


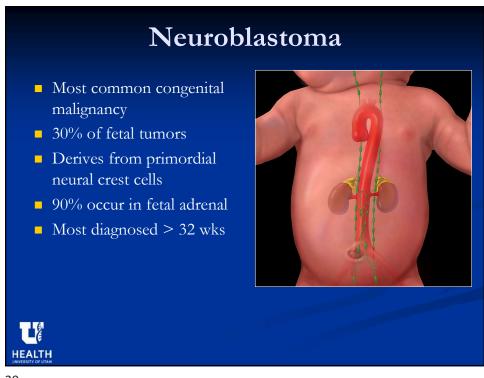


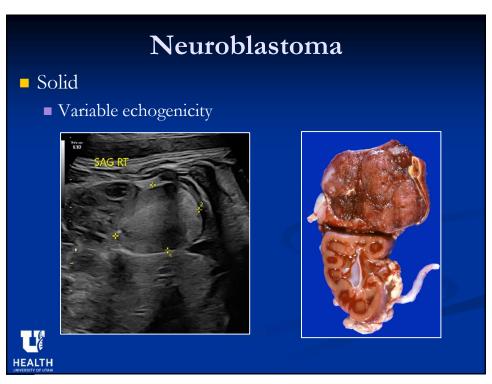


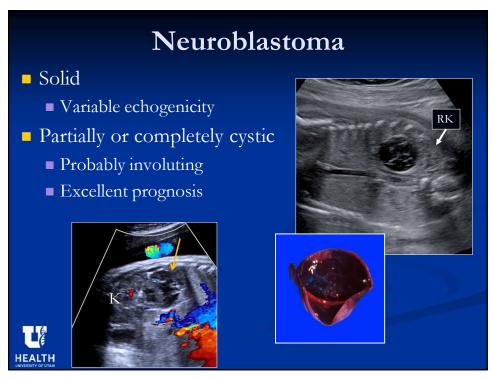




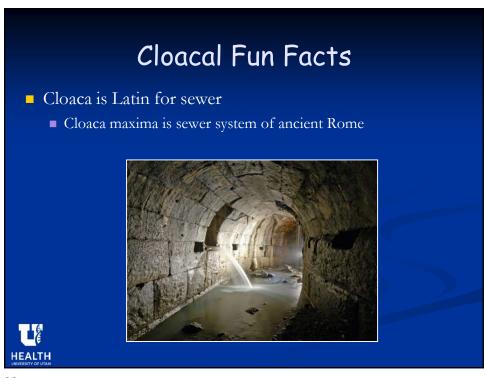


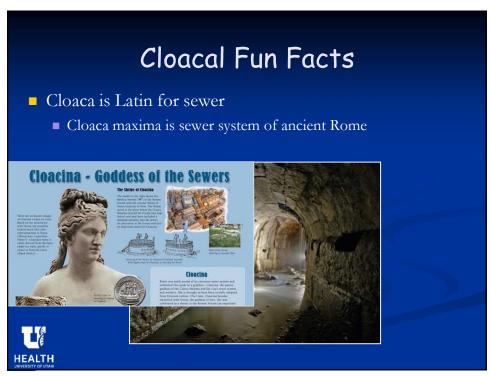


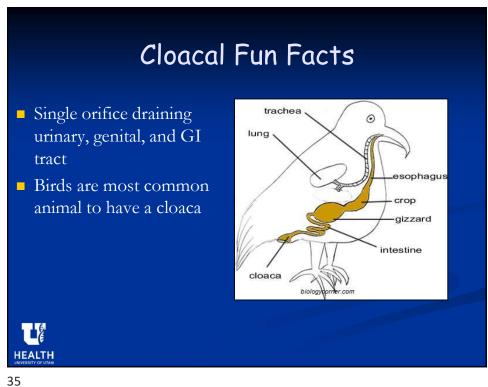


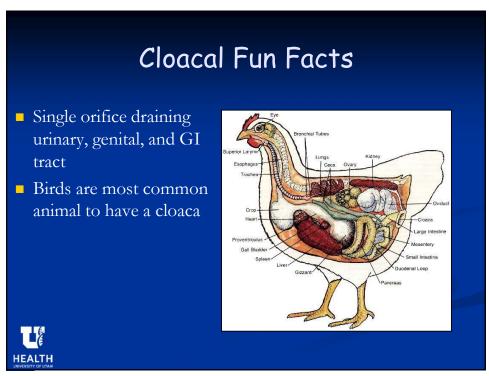


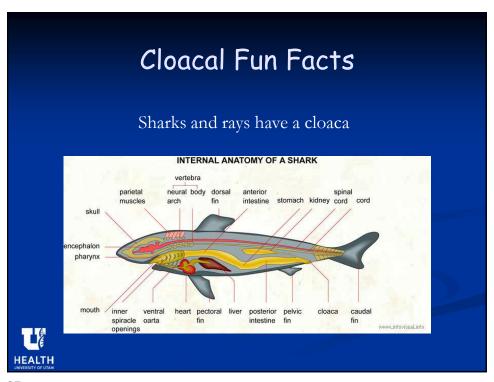


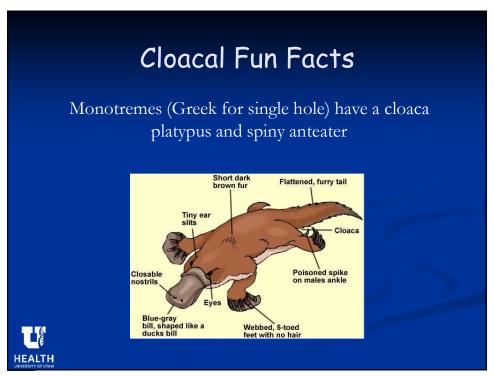


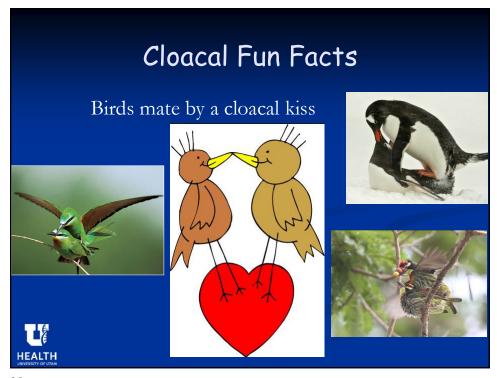






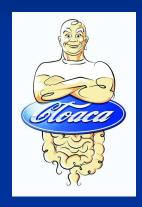












Wim Delvoye - Cloacal Collection



Cloaca Factory - a defecating machine Museum of Contemporary Art in Antwerp, Belgium



"It took Wim Delvoye eight years of consultation with experts in fields ranging from plumbing to gastroenterology to construct the poo machine."

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### Cloacal Fun Facts

# Do birds pee?? I have never seen one do so, just wondering?

Bird urine and poop come out of the same area - it's mixed together, which explains the liquidy, gooey mess. Even more annoying, the eggs that are laid come out of the same hole...

Luckily, eggs are washed off before they get to the store.



# NOT SO FUN FACT

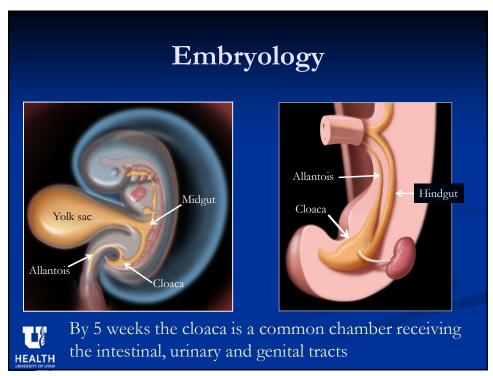
- In only 6% of prenatal cases with a cloaca was the diagnosis suspected
- Retrospective review showed suspicious findings in 62%

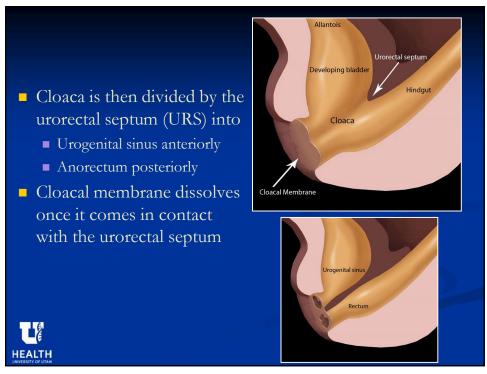
Bischoff A et al.. Prenatal diagnosis of cloacal malformations. Pediatr Surg Int. 2010 Nov;26(11):1071-5.

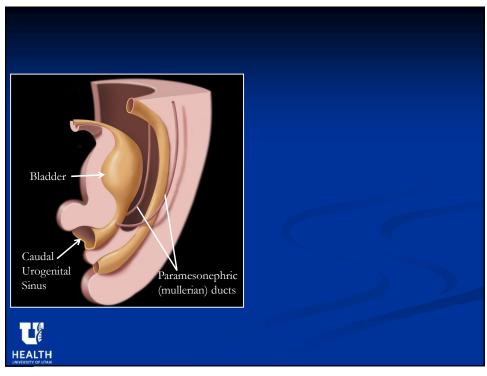


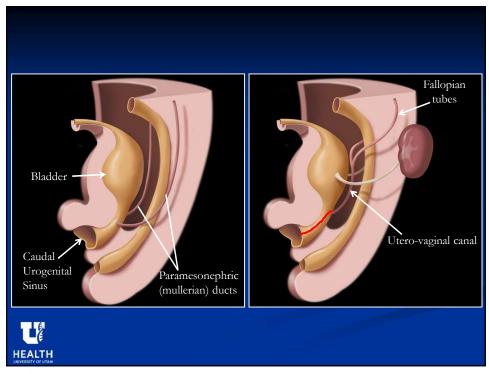
Livingston JC et al. Persistent cloaca: a 10-year review of prenatal diagnosis. J Ultrasound Med. 2012 Mar;31(3):403-7

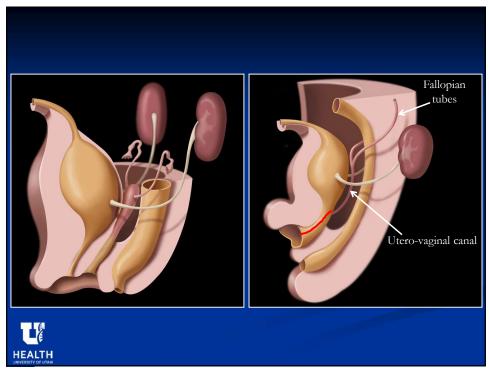
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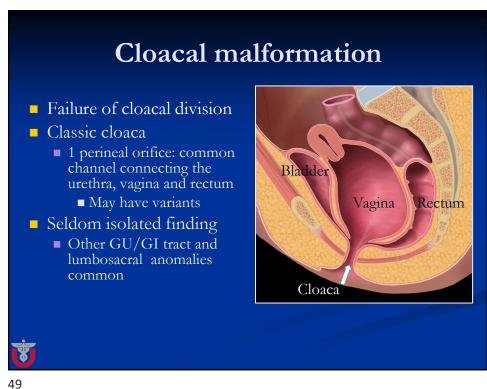


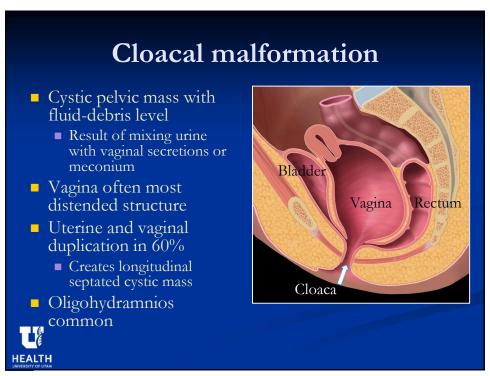








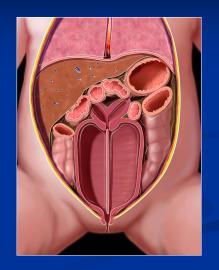




### Cloacal malformation

- Cystic pelvic mass with fluid-debris level
  - Result of mixing urine with vaginal secretions or meconium
- Vagina often most distended structure
- Uterine and vaginal duplication in 60%
  - Creates longitudinal septated cystic mass
- Oligohydramnioscommon



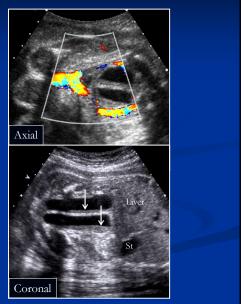


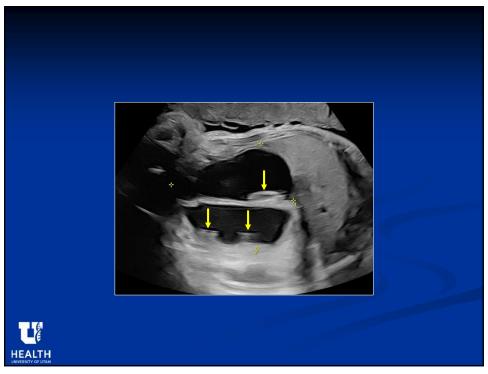
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### Cloacal malformation

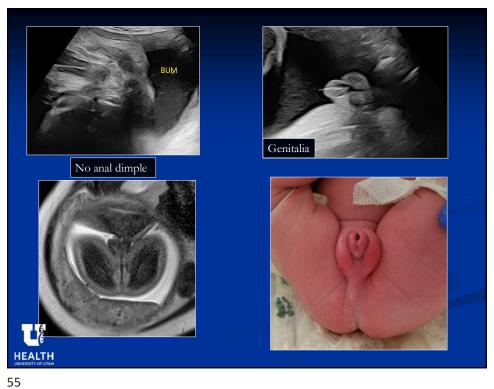
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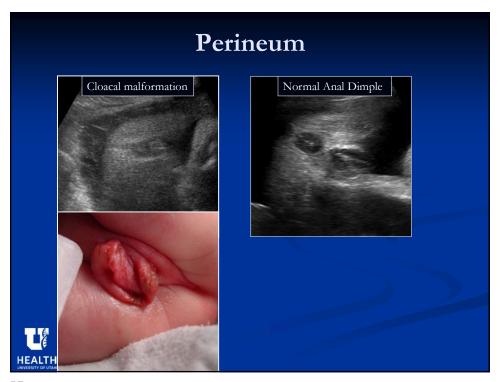


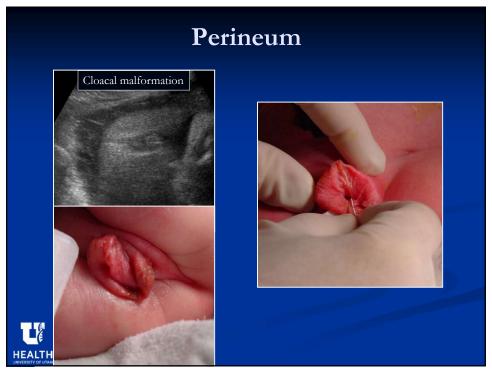


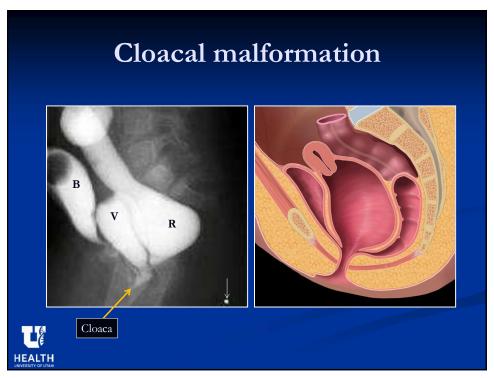


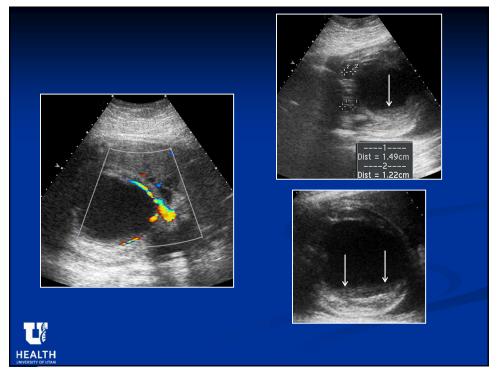


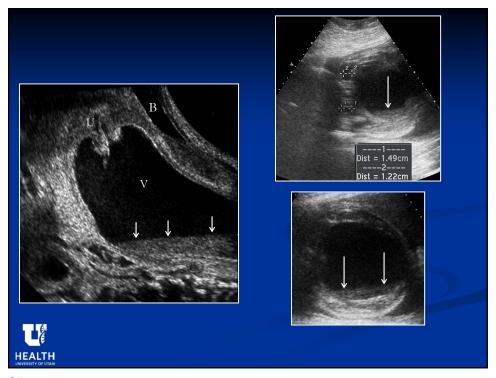












# **Key Findings**

- Cystic pelvic mass <u>especially if vertical</u>
  <u>septum and/or fluid-debris level</u>
  - Midline location
  - Funnels to perineum
- No anal dimple, abnormal genitalia
- Oligohydramnios
- Urinary tract abnormalities
- +/- ascites, bowel dilation, spine/cord anomalies



