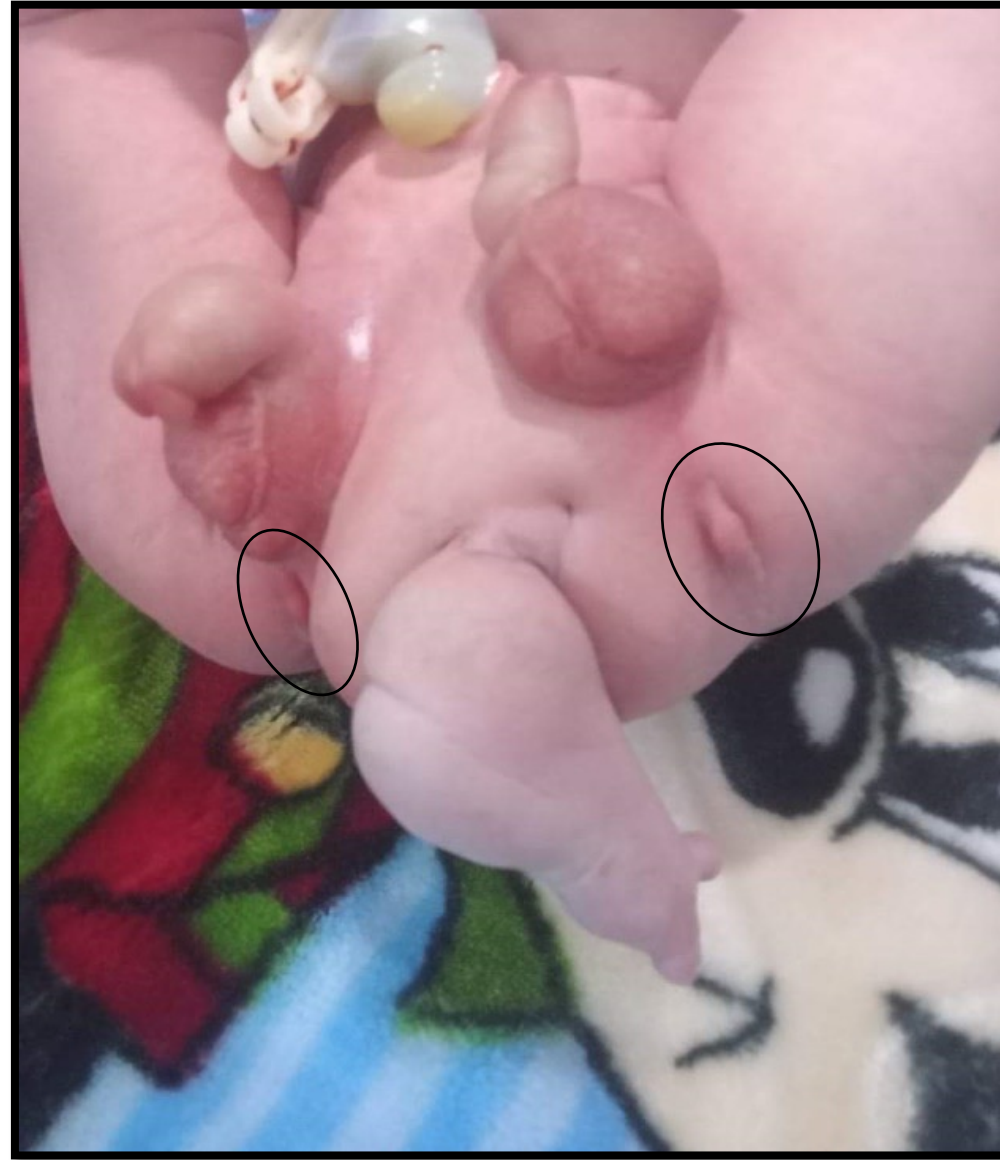


# **CAUDAL DUPLICATION SYNDROME WITH ARM AND MMC CASE REPORT**

**Presented by: Dr. Hazem Hassan Mahmoud**  
**Pediatric surgery specialist**

Full term male with Imperforate anus, bilateral anal dimples, and duplicated genitalia



- Left penis showing meconium through the urethra



# Incomplete mid-line accessory limb



# Ruptured myelomeningocele



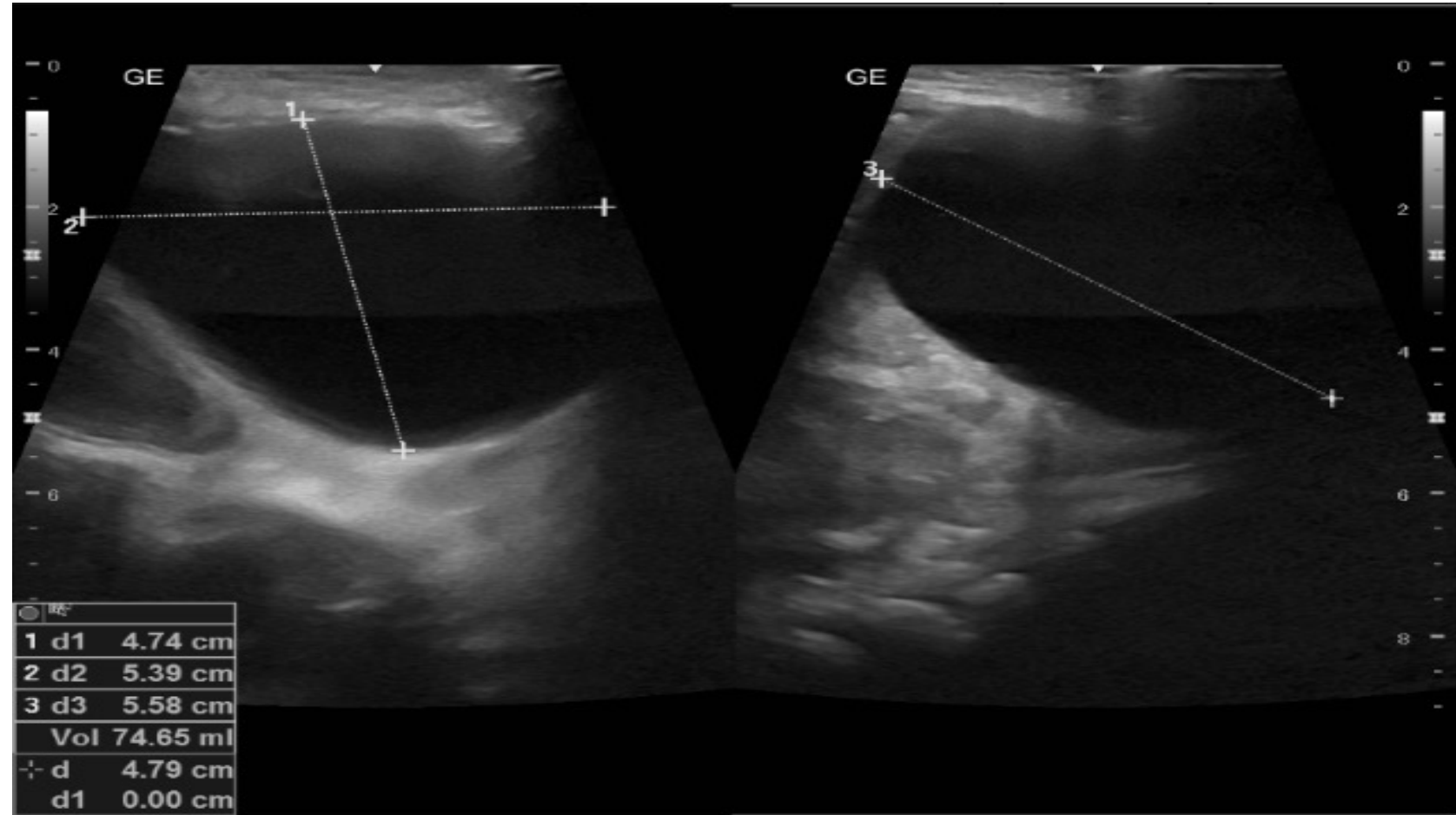


# Echocardiogram

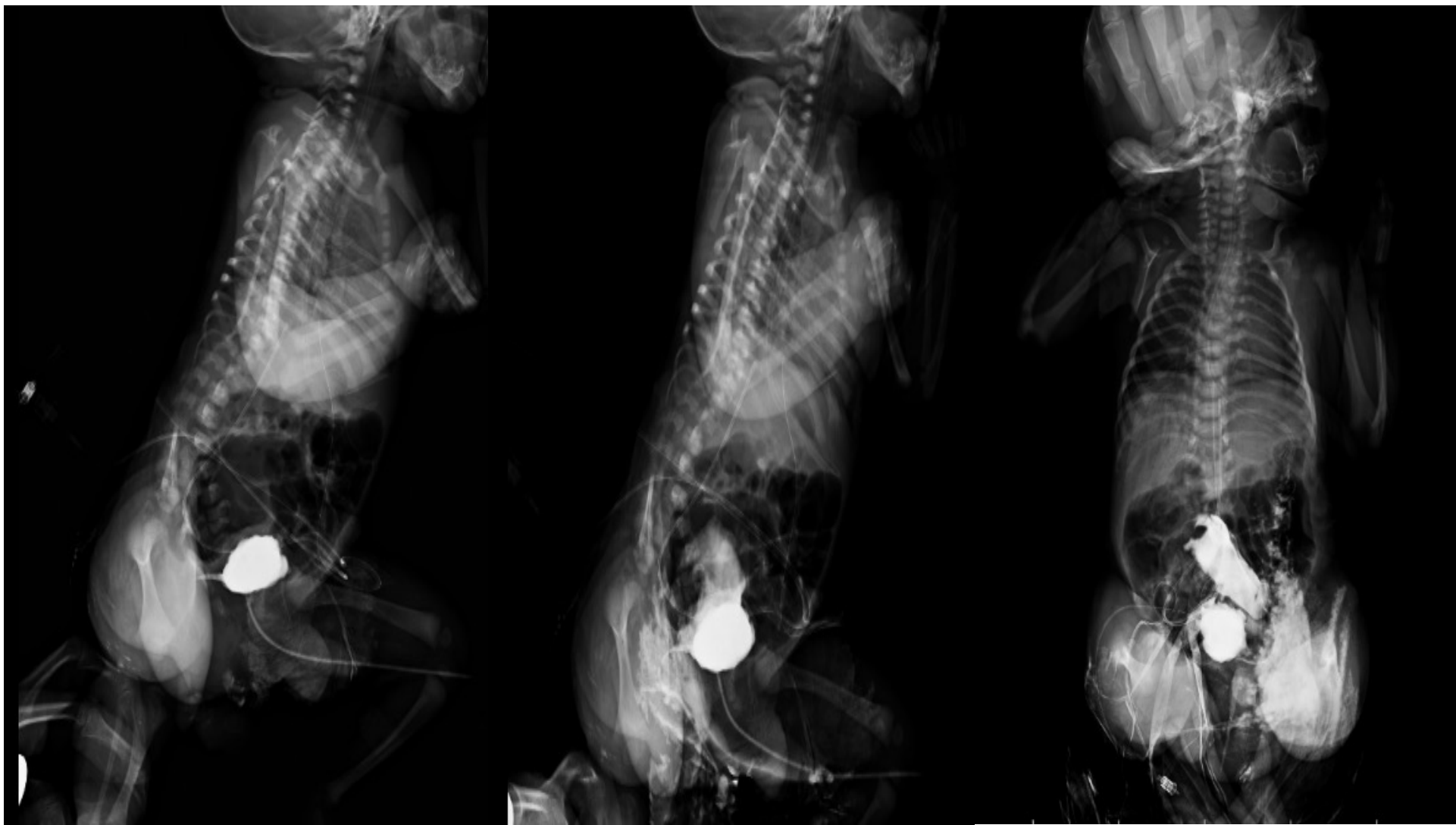
- Patent ductus arteriosus
- Patent foramen ovale

# Ultrasound

- Mild right hydronephrosis with renal pelvis A-P diameter 7mm.
- Bladder capacity 75 cc with no spontaneous voiding after one hour



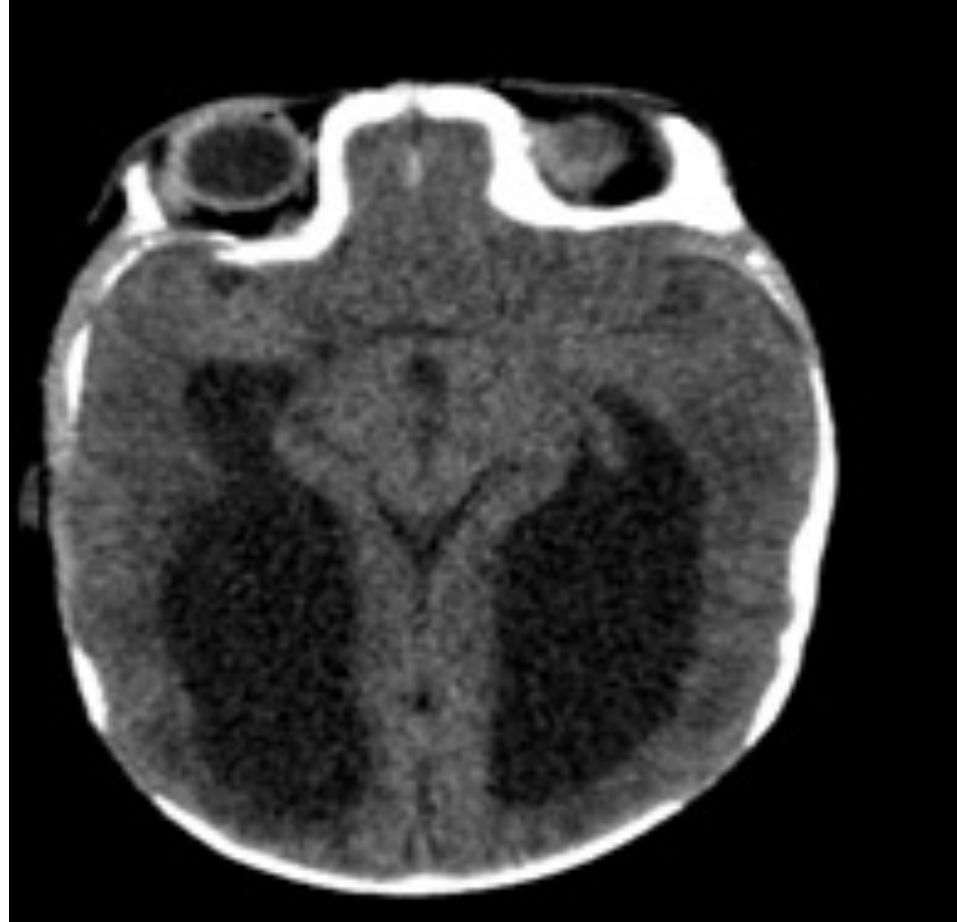




# Myelomeningocele closure and colostomy opening



Obstructive Hydrocephalus, required VP shunt



# Bilateral hernia repair





Image size: 224 x 224  
View size: 594 x 594  
WL: 300 WW: 1500

Image size: 224 x 224  
View size: 594 x 594  
t2\_fblade\_corj ww: 1500  
15001

Image size: 224 x 224  
View size: 594 x 594  
t2\_fblade\_corj ww: 1500  
15001

Image size: 224 x 224  
View size: 594 x 594  
t2\_fblade\_corj ww: 1500  
15001

RA

**Duplicated sacrum**

LP

**Single UB**

LP

**Bilateral kidneys**

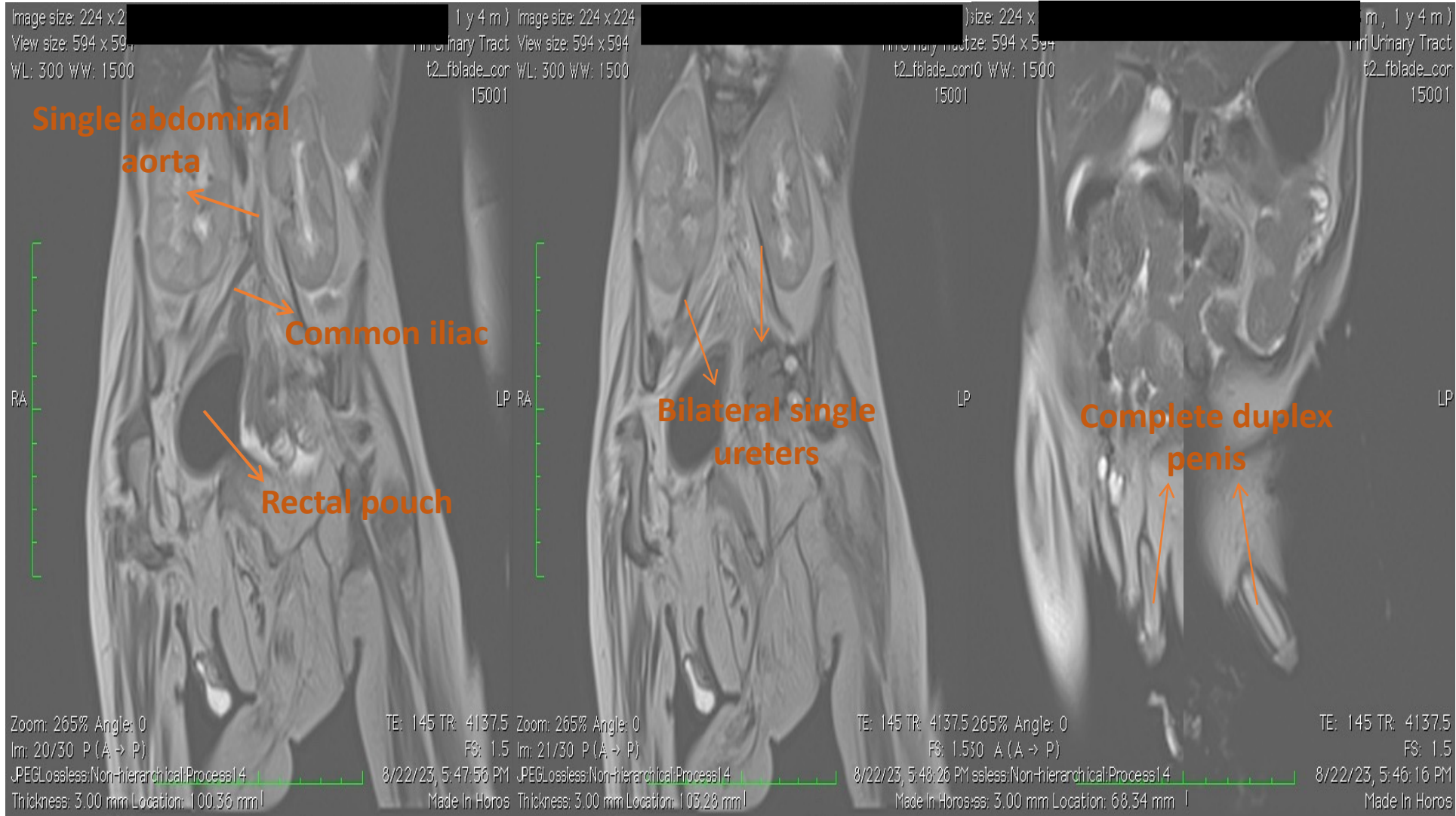
LP

Zoom: 265% Angle: 0  
Im: 24/30 P (A → P)  
JPEGLossless:Non-hierarchical:Process14  
Thickness: 3.00 mm Location: 112.01 mm

TE: 145 TR: 4137.5:65% Angle: 0  
FS: 1.5:30 (A → P)  
8/22/23, 5:45:02 PM Lossless:Non-hierarchical:Process14  
Made In Horos: 3.00 mm Location: 85.81 mm

TE: 145 TR: 4137.5:65% Angle: 0  
FS: 1.5:30 P (A → P)  
8/22/23, 5:45:51 PM Lossless:Non-hierarchical:Process14  
Made In Horos: 3.00 mm Location: 97.45 mm

TE: 145 TR: 4137.5  
FS: 1.5  
8/22/23, 5:47:31 PM  
Made In Horos

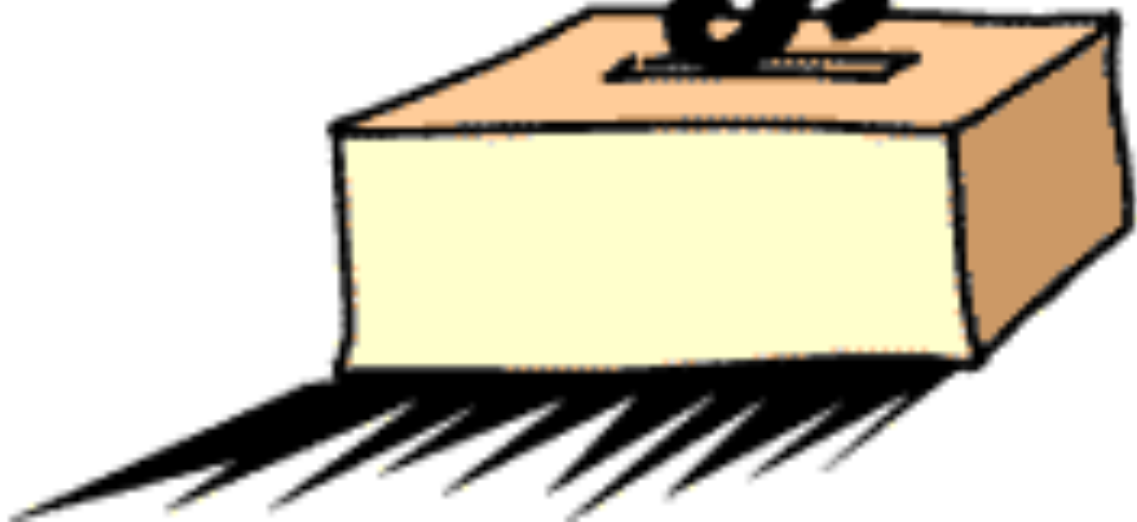




- ❖ Is there any actual classification for caudal split syndrome?
- ❖ What does the term complete and partial duplication stand for and in relation to what?
  - System
  - Organ
  - Part of the organ
- ❖ Should we intervene in elective cases with caudal split syndrome?
- ❖ What was the appropriate definitive treatment and on what bases?
- ❖ When should we intervene?
- ❖ In case of definitive intervention what should be best intervention, fusion or excision?
- ❖ In case of staged definitive treatment what was the priority and on what bases?



# Suggestions & Comments?



WHAT'S  
**NEXT**