



for the Obstetrical Sonographer

Rebecca Willis, RDMS

REASON FOR VISIT: Abnormal marker screen

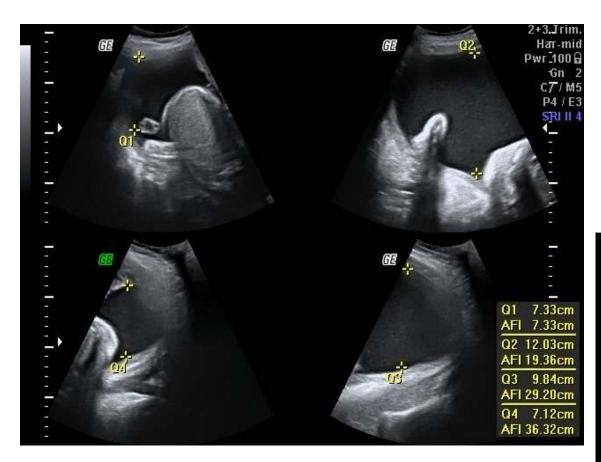
- . Ambiguous genetalia
- . Polyhydramnios 36.32 cm (normal between 10 20 cm)
- . Ventriculomegly 11.66 mm (normal <10 mm)
- . Pericardial effusion
- . Amniocentesis: "additional chromosome material on short arm of one chromosome 9. Male karyotype."
- . Hospital report at birth: external genetalia appeared female



Ambiguous Genitalia

Ambiguous Genitalia (3-D)

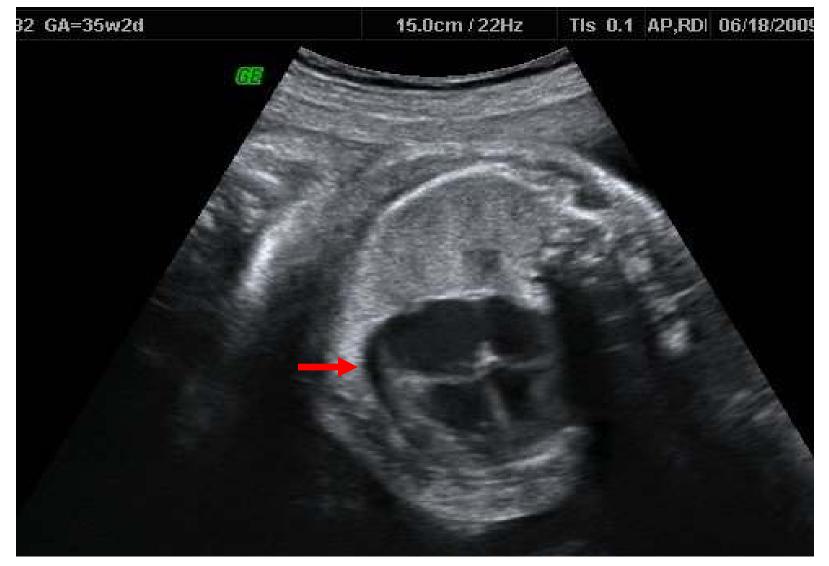




Polyhydramnios

Ventriculomegaly





Pericardial Effusion

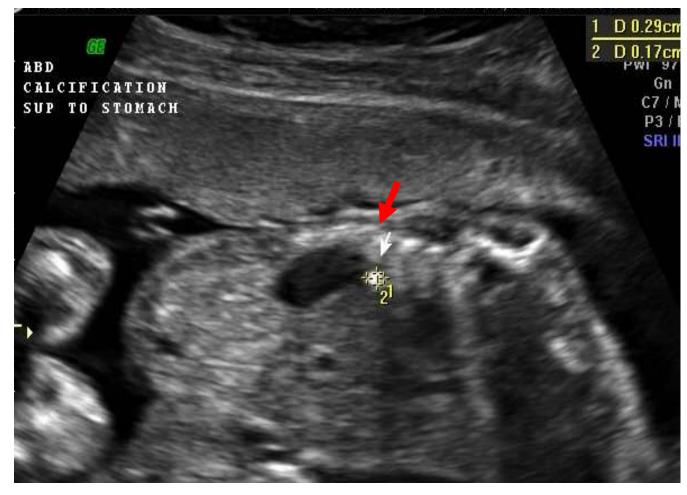
REASON FOR VISIT:

Calcification noted superior to stomach

EXAM OBSERVATIONS/NOTES:

- . 2 vessel cord
- . Ventricular-septal defect (VSD)
- . Horseshoe kidneys
- Amniocentesis: FISH (fluorescent in situ hybridization) result returned normal*; full test results abnormal: "abnormal additional material on one chromosome 4."
- . Referral to pediatric cardiologist

*FISH provides detection only for trisomies 13, 18 and 21.



Calcification

2 Vessel Cord





VSD



Horseshoe Kidneys

Horseshoe Kidneys w/Doppler





Horseshoe Kidneys



REASON FOR VISIT: Abnormal marker screen

- . 13w3d: Increased nuchal translucency 6.4 mm (normal <3 mm)
- . 20w3d: Nuchal fold 6.07 mm (normal <6 mm)
- . 34w 35w: Overdistended bladder, hydronephrosis
- . Amnio results: positive for T21, male



Nuchal Translucency (NT)

Nuchal Translucency (NT)





Nuchal Fold (NF)

No nasal bone seen



Overdistended bladder



Hydronephrosis



REASON FOR VISIT: Twin gestation/AMA

- . 16w5d: normal twin gestation
- . 18w: Amnios were normal
- . 27w3d: Cervical shortening/funneling 1.04 cm (normal over 2.5 cm); fetal demise of Twin A
- . Gave birth at 28w3d
- . Baby B is healthy



Cervical shortening/funneling





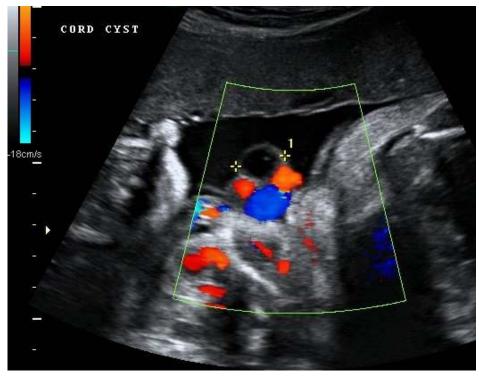


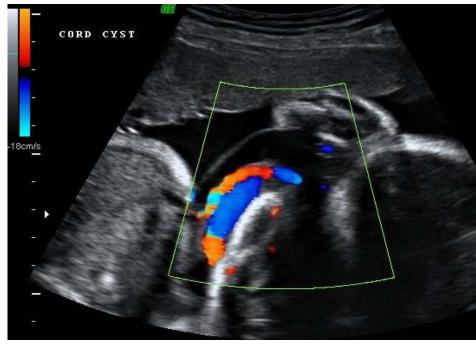


REASON FOR VISIT: Varicella exposure (chicken pox)

- . Umbilical Cord Cyst
- . Otherwise normal







REASON FOR VISIT: Increased Nuchal Translucency

- . CRL 12w5d
- . NT measured 8.3 mm
- . Declined Amniocentesis
- . Did not return for follow-up visit



Nuchal Translucency (NT)





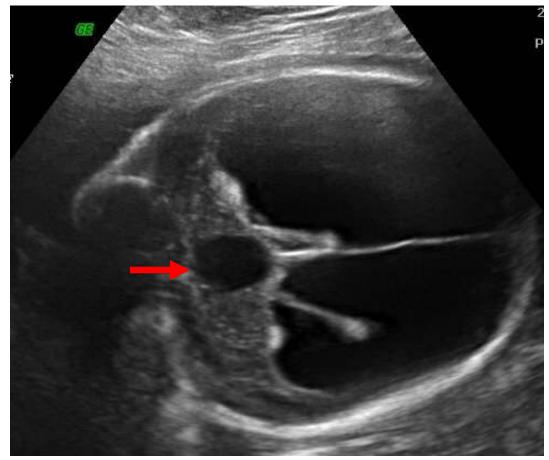
REASON FOR VISIT: Hydrocephalus

- . Severe hydrocephalus
- . Splaying of cerebellum (Dandy Walker malformation)
- . Had c-section with neonatal demise



Hydrocephalus

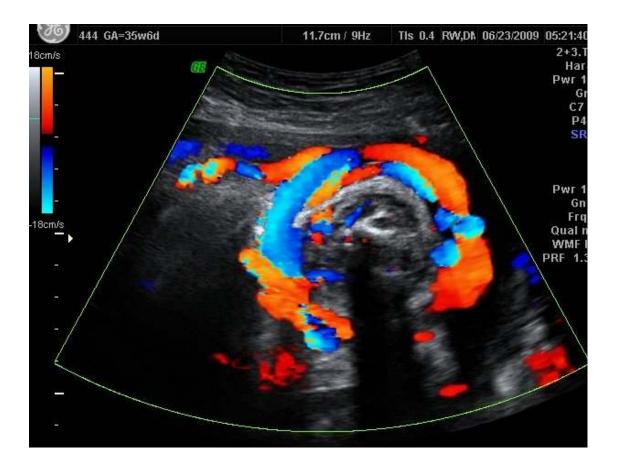
Dandy Walker malformation

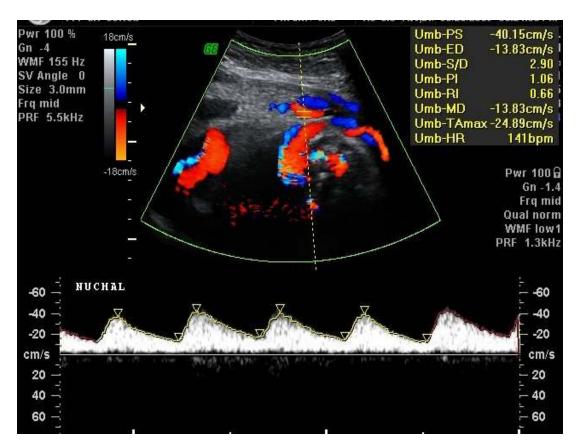


REASON FOR VISIT: AMA

EXAM OBSERVATIONS/NOTES:

. Normal exams until 35w6d, nuchal cord noted





REASON FOR VISIT: AMA

- . Partial molar pregnancy with fetal demise
- . Fetal skull and long bones identified
- . Referred to Winnie Palmer Hospital for D & C





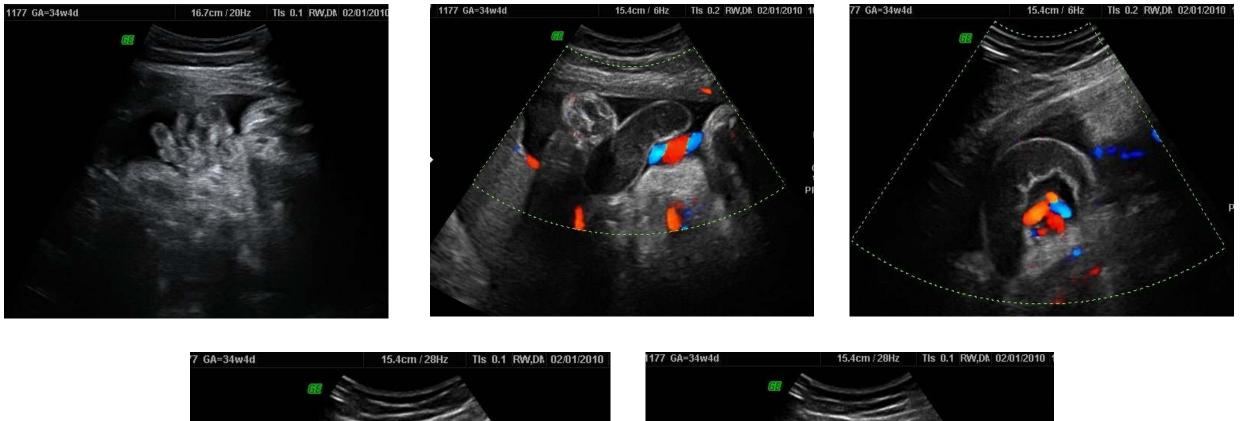
REASON FOR VISIT: Twin gestation

- . Twin B: choroid plexus cyst
- . Amniocentesis: normal



REASON FOR VISIT: Gastroschesis

- . Amnio results normal
- . 34w4d: Intestinal stenosis noted
- . 36w0d: Stomach seen in the fetal pelvis; discordant size of kidneys







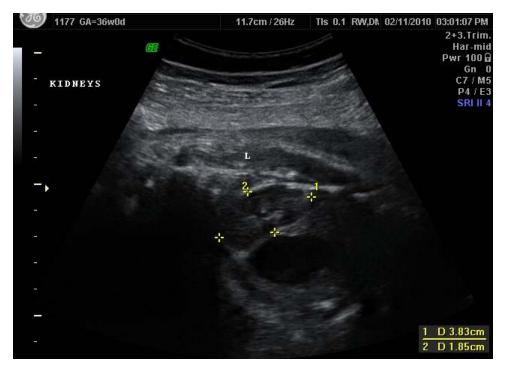
















REASON FOR VISIT: Abnormal tetra: positive for DS-1:29, T18-1:10

- . Spina bifida noted in sacral area
- . Amnio was normal, no acetylcholinesterase found in amniotic fluid, which indicates defect is closed.





REASON FOR VISIT: Twin gestation, monochorionic

- . Twins appeared normal until 22w
- . 22w3d: severe oligohydramnios seen on twin B; TTTS (twin-to-twin transfusion syndrome) suspected
- . Referred to University of Miami for laser photocoagulation of communicating vessels
- . Procedure performed at 24 weeks on seven communicating vessels
- Fetal demise of Twin A noted during follow-up visit at 25w5d.Spalding sign noted noted on fetal skull of Twin A at 27w4d.









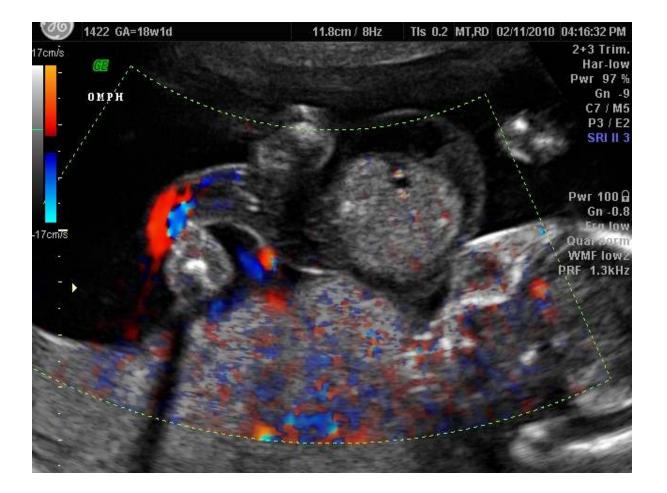
REASON FOR VISIT: Suspected omphalocele

- . Omphalocele confirmed
- . Amnio done at 18 weeks; FISH results were normal, complete results not available at time of this report.















REASON FOR VISIT: 9 miscarriages

- . Club foot
- . Amniocentesis: normal





REASON FOR VISIT: Pyelectasis

- . Bilateral pyelectasis and hydronephrosis, ureterovesical junction obstruction (UVJ)
- . 2 vessel cord

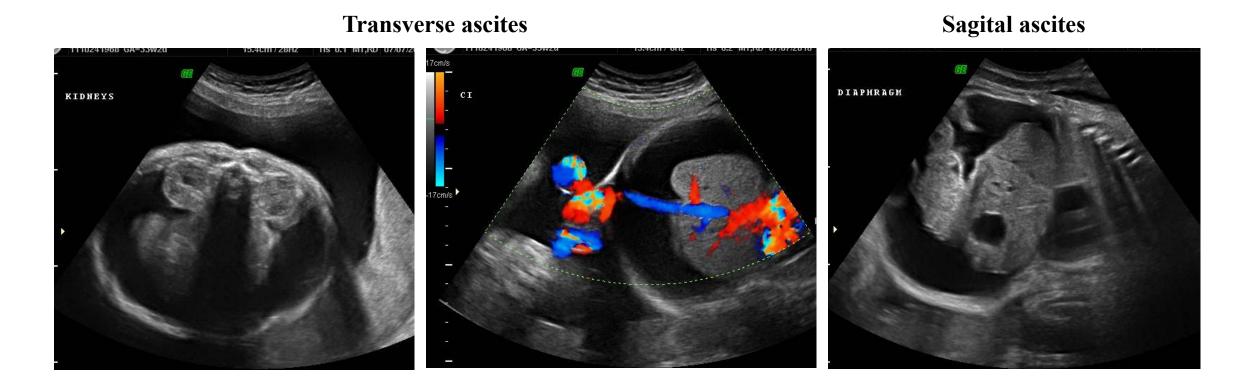








MISCELLANEOUS ABNORMALITIES



Duodenal atresia (double-bubble sign)



Acrania



Micrognathia



Spina Bifida



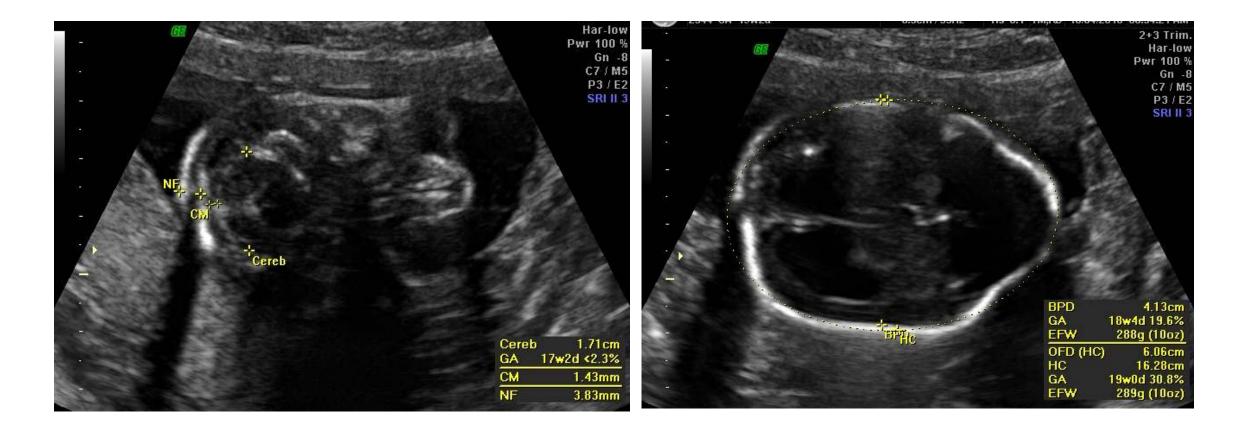
Bilateral cleft lip



Cleft palate

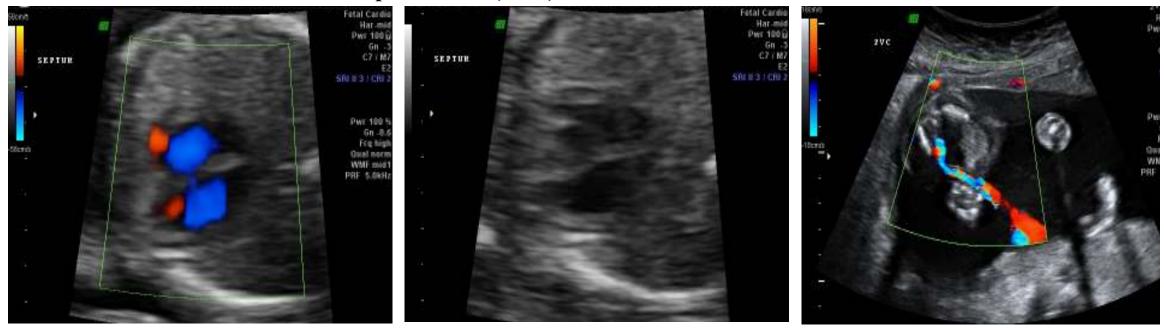


Spina bifida causing "banana" and "lemon" signs.



Ventricular Septal Defect (VSD)

Two Vessel Cord



Multicystic Dysplastic Kidneys

