



Transabdominal and Transvaginal Obstetric Study Report

January 13, 2020

MRN: 66175
DOB: 1990-11-29 Age: 29
Gender: F
Study Time: 08:11 AM
Reading Group: David Nyberg, MD
Referring Group: Camelback Womens Health
Ordering Phys: Kathleen Schwartz, MD
Performing User: A.BROWN,RDMS

Study Quality: Good

Indications: Twins

IVF Pregnancy

Previous C-Section

Female fetus with mosaicism partial deletion of chromosome 6

Procedure Code: 76811 Detailed Obstetric Ultrasound

76812 Detailed Obstetric ultrasound, (each additional gestation)

76817 Transvaginal Ultrasound, Obstetric

General Information

Trimester: 2nd/3rd trimester Gestations: 2 PARA: 2 Gravida: 3
Pregnancy: Intrauterine Discordance: 13 g (5 %)

Gestational Age

Best: 18w 2d Determined by: LMP EDD: 2020-06-13
LMP: 18w 2d EDD: 2020-06-13
Current US: 18w 4d EDD: 2020-06-11

General Evaluation (Fetus A)

Fetal gender: M
Fetal cardiac activity: Present
Presentation/Position: Breech
Placental location: Posterior

General Evaluation (Fetus B)

Fetal gender: F
Fetal cardiac activity: Present
Presentation/Position: Breech
Placental location: Posterior

Findings:

Fetal Anatomy A: Sonographic evaluation shows a twin dichorionic pregnancy.

Twin A:

Cephalic position
Posterior placenta
Fetal cardiac activity appears normal.
Amniotic fluid normal
Deepest vertical pocket 4.3 cm

Detailed and thorough anatomic survey was performed. No fetal structural abnormalities are noted. The brain, spine, face, heart, chest, anterior abdominal wall, stomach, kidney regions, urinary bladder, and extremities are visualized and these appear unremarkable. Views of the heart include both four chamber and outlet views. A normal three vessel umbilical cord is noted.

Fetal Anatomy B: Twin B:

breech position
Posterior placenta
Fetal cardiac activity appears normal.
Amniotic fluid normal



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Deepest vertical pocket 4 cm

Detailed and thorough anatomic survey was performed. No fetal structural abnormalities are noted. The brain, spine, face, heart, chest, anterior abdominal wall, stomach, kidney regions, urinary bladder, and extremities are visualized and these appear unremarkable. Views of the heart include both four chamber and outlet views. A normal three vessel umbilical cord is noted.

As a minor finding, echogenic intracardiac focus (EIF) is noted in the left ventricle of the heart.

Maternal Anatomy: Cervix is 5.56 cm long.

Transvaginal scans were required to visualize the cervix and placental location. The cervix appears long and closed.

Fetal Biometry (Fetus A)

EFW:	246 g	9 oz	63%	HADLOCK-91					
Fetal HR:	146 bpm				BPD:	4.19 cm	18w 5d	69%	HADLOCK-84
Humerus len:	2.92 cm	19w 4d			HC:	15.49 cm	18w 3d	50%	HADLOCK-84
FL:	2.79 cm	18w 4d	54%	HADLOCK-84	Cisterna magna:	3.48 mm			
CI (BPD/OFD):	76.04				Lateral vents:	6.35 mm			
FL/HC:	0.18				TCD:	1.92 cm	18w 5d		
HC/AC:	1.19				OFD:	5.51 cm			
FL/BPD:	0.67				Nasal bone:	5.37 mm			
FL/AC:	0.21				Nuchal fold:	3.38 mm			
					AC:	13.05 cm	18w 4d	57%	HADLOCK-84

Fetal Anatomy (Fetus A)

Cranium:	Seen	Nose/Lips:	Seen	LVOT:	Seen
Midline falx:	Seen	Right arm:	Seen	RVOT:	Seen
Cisterna magna:	Seen	Right hand:	Seen	Spine:	Seen
Choroid plexus:	Seen	Right leg:	Seen	Stomach:	Seen
Lateral ventricles:	Seen	Right foot:	Seen	Diaphragm:	Seen
Cerebellum:	Seen	Left arm:	Seen	Right kidney:	Seen
Orbits:	Seen	Left hand:	Seen	Left kidney:	Seen
Face:	Seen	Left leg:	Seen	Bladder:	Seen
Profile:	Seen	Left foot:	Seen	Abdom. cord insert:	Seen
Nasal bone:	Seen	4-chamber heart:	Seen		

Fetal Biometry (Fetus B)

EFW:	259 g	9 oz	78%	HADLOCK-91					
Fetal HR:	148 bpm				BPD:	4.02 cm	18w 1d	47%	HADLOCK-84
Humerus len:	2.72 cm	18w 5d			HC:	14.94 cm	18w 0d	29%	HADLOCK-84
FL:	3.01 cm	19w 2d	80%	HADLOCK-84	Cisterna magna:	4.02 mm			
CI (BPD/OFD):	75.42				Lateral vents:	5.78 mm			
FL/HC:	0.2				TCD:	1.85 cm	18w 1d		
HC/AC:	1.14				OFD:	5.33 cm			
FL/BPD:	74.88				Nuchal fold:	2.31 mm			
FL/AC:	23.01				AC:	13.08 cm	18w 4d	58%	HADLOCK-84

Fetal Anatomy (Fetus B)

Cranium:	Seen	Nose/Lips:	Seen	LVOT:	Seen
Midline falx:	Seen	Right arm:	Seen	RVOT:	Seen
Cisterna magna:	Seen	Right hand:	Seen	Spine:	Seen
Choroid plexus:	Seen	Right leg:	Seen	Stomach:	Seen
Lateral ventricles:	Seen	Right foot:	Seen	Diaphragm:	Seen
Cerebellum:	Seen	Left arm:	Seen	Right kidney:	Seen
Orbits:	Seen	Left hand:	Seen	Left kidney:	Seen
Face:	Seen	Left leg:	Seen	Bladder:	Seen
Profile:	Seen	Left foot:	Seen	Abdom. cord insert:	Seen



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Fetal Anatomy (Fetus B)

Nasal bone: Seen 4-chamber heart: Seen

Fetal Vessels Doppler (Fetus A)

	HR	SD	%tile	RI	%tile	PI	%tile	PSV (cm/s)	%tile
Umbilical Artery	146								
Middle Cerebral Artery	146								

Conclusions:

January 19, 2020 05:15 AM EST
David Nyberg, MD
Electronically Signed on Studycast

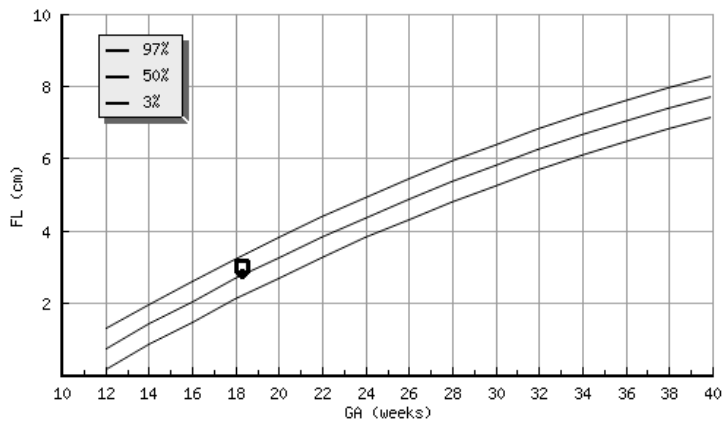
- * Twin living fetuses with a gestational age of 18 weeks and 2 8 days based on clinical dates.
- * Current growth parameters are consistent with the clinical date, indicating normal interval growth for each fetus.
- * Normal amniotic fluid for each fetus.
- * No structural abnormalities noted of either fetus.
- * As a minor finding, echogenic intracardiac focus (EIF) is noted in the left ventricle of the heart of twin B. No other aneuploidy markers noted.
- * Normal appearance of the cervix which appears long and closed.



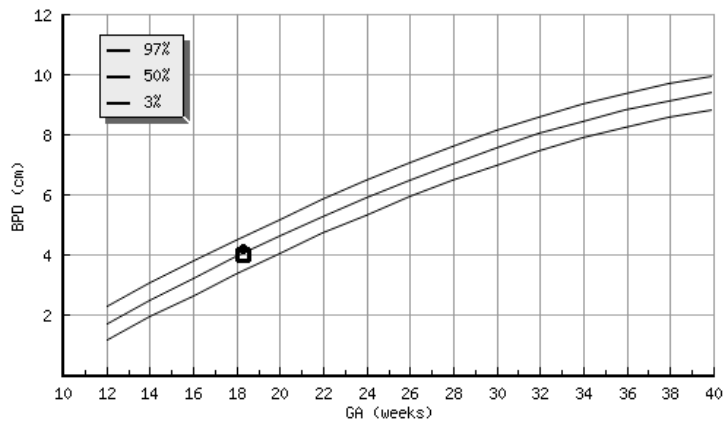
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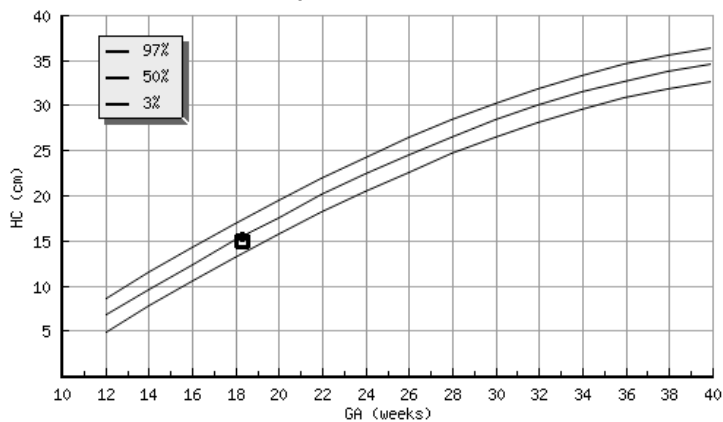
FL, Hadlock 84



BPD, Hadlock 84



HC, Hadlock 84



AC, Hadlock 84

