



Transabdominal Obstetric Study Report

January 21, 2020

MRN: 40465
DOB: 1988-09-25 **Age:** 31
Gender: F

Study Time: 07:15 AM
Reading Group: David Nyberg, MD
Referring Group: Camelback Womens Health
Ordering Phys: Traci Aldridge, FNP-C
Performing User: BJACKS

Study Quality: Good

Indications: SGA (Small for Gestational Age)

Procedure Code: 76805 Obstetric ultrasound, >=14 weeks
76819 Fetal Biophysical profile, without non-stress testing
76820 Doppler velocimetry, umbilical artery

General Information

Trimester: 2nd/3rd trimester Gestations: 1 PARA: 2 Gravida: 3
Pregnancy: Intrauterine

Gestational Age

Best: 28w 6d **Determined by:** LMP **EDD:** 2020-04-08
LMP: 28w 6d **EDD:** 2020-04-08
Current US: 27w 3d **EDD:** 2020-04-18

General Evaluation

Fetal cardiac activity: Present
Presentation/Position: Cephalic
Placental location: Anterior
Biophysical Profile: Total score: 8
Heart rate Breathing 2 Movement 2 Tone 2 AFV 2
Amniotic fluid index: 12.38 cm
AFI percentile: 32 %
SDP: LUQ: 3.6 cm LLQ: 1.8 cm RUQ: 3.19 cm RLQ: 3.79 cm

Findings:

Fetal Anatomy: Sonographic evaluation reveals singleton intrauterine pregnancy in cephalic position. Anterior placenta.
Fetal cardiac activity present.

Biophysical profile is 8.

Normal AFI (AFI = 12.38).

Normal umbilical artery Doppler study. Systolic to diastolic ratio of 2.9

No fetal structural abnormalities are noted. The brain, face, heart, abdomen, stomach, kidney regions, and urinary bladder are visualized and these appear unremarkable.



Transabdominal Obstetric Study Report

January 21, 2020

Fetal Biometry

EFW:	1039 g	2 lb 5 oz	3%	HADLOCK-91					
Fetal HR:	160 bpm				FL/AC:	0.25			
Humerus len:	4.7 cm	27w 5d			BPD:	6.7 cm	27w 0d	3%	HADLOCK-84
FL:	5.4 cm	28w 4d	27%	HADLOCK-84	HC:	25.42 cm	27w 4d	2%	HADLOCK-84
CI (BPD/OFD):	72.83				Lateral vents:	4.29 mm			
FL/HC:	0.21				OFD:	9.2 cm			
HC/AC:	1.17				Nasal bone:	10.43 mm			
FL/BPD:	0.81				AC:	21.64 cm	26w 1d	1%	HADLOCK-84

Fetal Anatomy

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:	Suboptimal	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 Vessels Doppler

	HR	SD	%tile	RI	%tile	PI	%tile	PSV (cm/s)	%tile
Umbilical Artery	160	2.9	48	0.66	56	1.06	67	31	99
Middle Cerebral Artery	160	10.57	99	1.14	> 99	4	> 99	48	88
Cerebroplacental ratio	Ratio	%tile							
	3.77	> 99							

Conclusions:

January 21, 2020 01:06 PM EST
David Nyberg, MD
Electronically Signed on Studycast

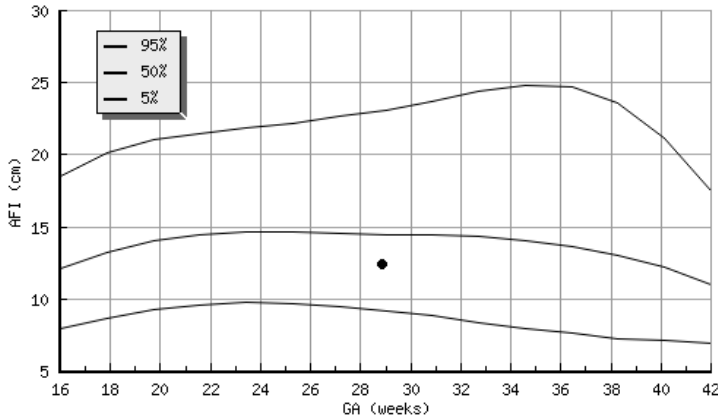
- * Single intrauterine gestation, 28 weeks and 6 days by LMP.
- * Current growth parameters are less than expected. Estimated fetal weight corresponds to the 3rd percentile.
- * Normal amniotic fluid.
- * No abnormalities noted.
- * Normal biophysical profile score of 8 of 8.
- * Normal umbilical artery Doppler study.



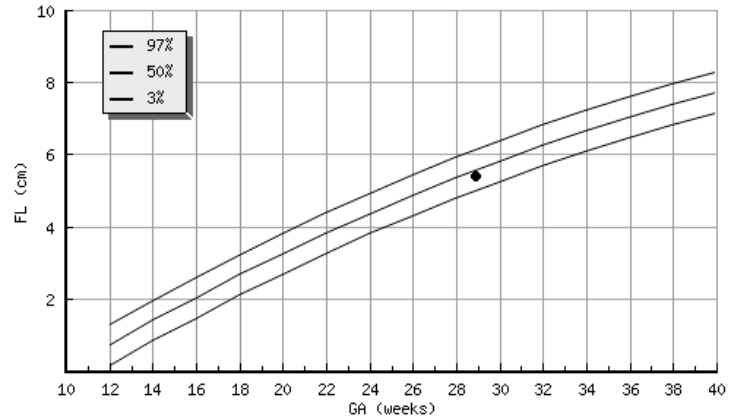
Transabdominal Obstetric Study Report

January 21, 2020

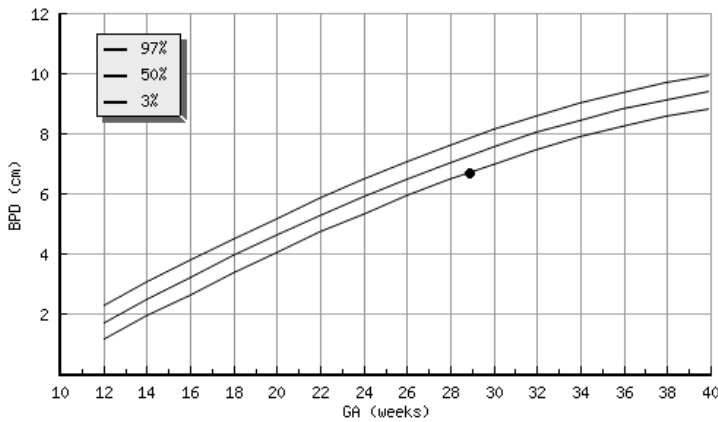
AFI by GA MOORE CAYLE 90



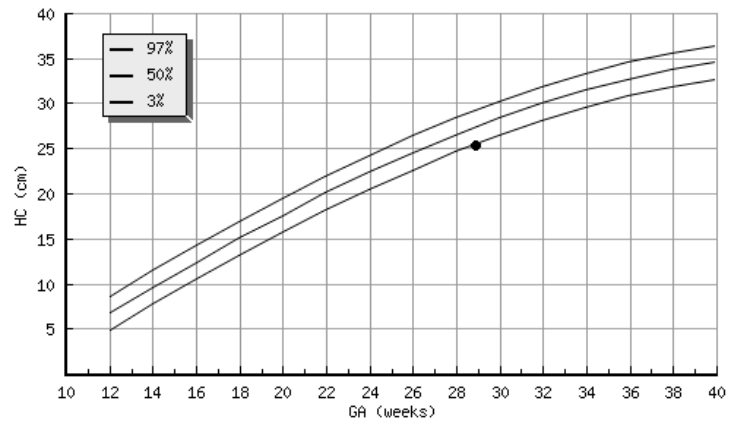
FL, Hadlock 84



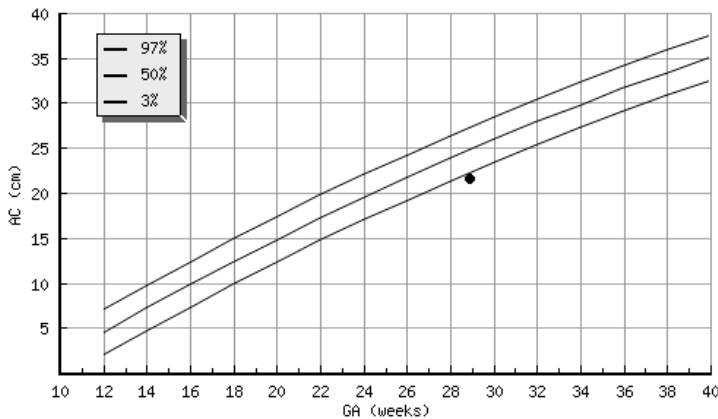
BPD, Hadlock 84



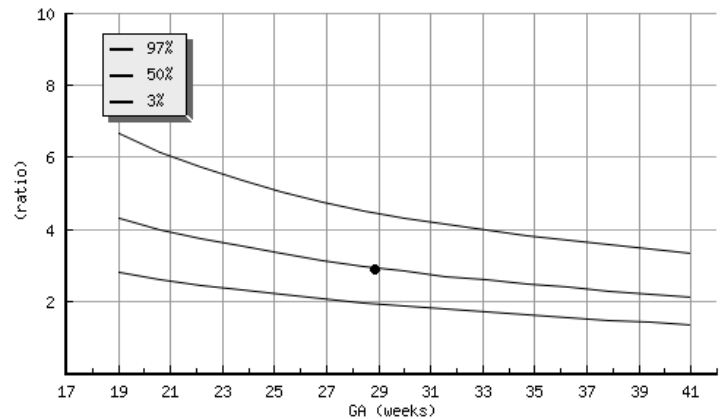
HC, Hadlock 84



AC, Hadlock 84



UA S/D Ratio, Acharya 2004

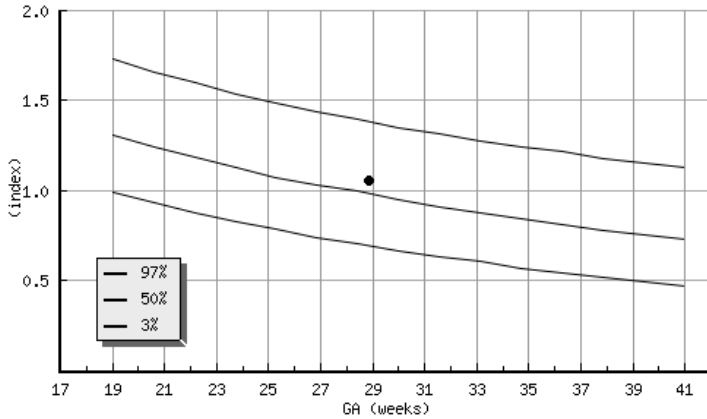




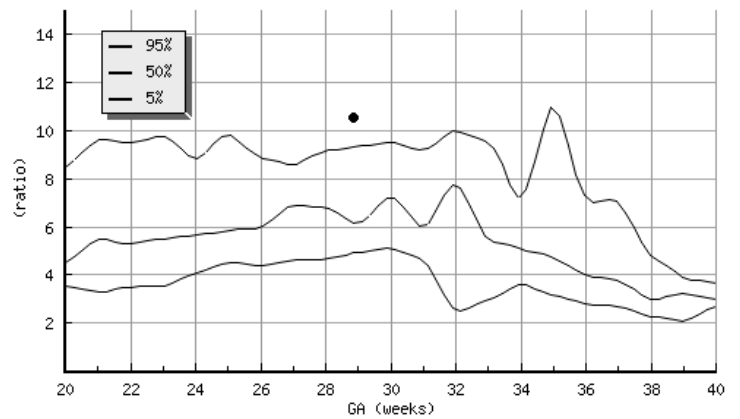
Transabdominal Obstetric Study Report

January 21, 2020

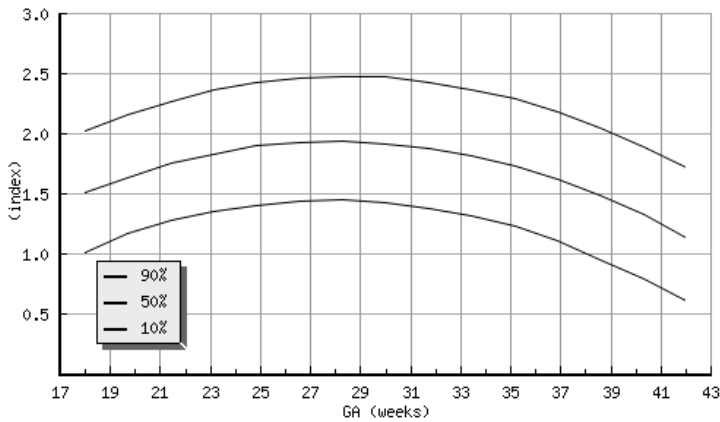
UA PI, Acharya 2004



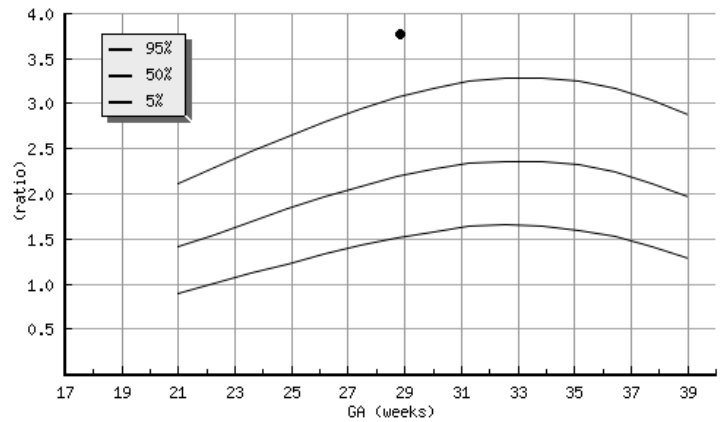
MCA S/D Ratio, Tanzamni 2008



MCA PI, Bahlmann 2002



CP Ratio, Ebbing 2007





Transabdominal Obstetric Study Report

January 21, 2020

