



Transabdominal Obstetric Study Report

January 21, 2020

MRN: 69280
DOB: 1988-10-03 **Age:** 31
Gender: F

Study Time: 09:06 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: Size-Date Discrepancy

Procedure Code: 76816 Obstetric ultrasound followup
76819 Fetal Biophysical profile, without non-stress testing
76820 Doppler velocimetry, umbilical artery
76821 Doppler velocimetry, middle cerebral artery

General Information

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

Gestational Age

Best: 35w 6d **Determined by:** LMP **EDD:** 2020-02-19
LMP: 35w 6d EDD: 2020-02-19
Current US: 34w 3d EDD: 2020-02-29

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: 15.16 cm
AFI percentile: 55 %
SDP: LUQ: 5.1 cm LLQ: 1.91 cm RUQ: 4.55 cm RLQ: 3.6 cm

Findings:

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

Biophysical profile is 8.

Normal AFI (AFI = 15.16).

Mildly elevated artery Doppler resistance. Systolic to diastolic ratio of 3.9
MCA 7.6
CPR 1.6

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

Maternal Anatomy: The right ovary measures 3.07 x 1.19 x 2.34 cm, volume 4.48 ml.

The left ovary measures 3.51 x 2.15 x 2.23 cm, volume 8.81 ml.



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Fetal Biometry

EFW:	2334 g	5 lb 2 oz	10%	HADLOCK-91					
Fetal HR:	155 bpm				FL/BPD:	0.78			
Humerus len:	5.81 cm	33w 4d			FL/AC:	0.22			
FL:	6.63 cm	34w 1d	9%	HADLOCK-84	BPD:	8.53 cm	34w 3d	18%	HADLOCK-84
CI (BPD/OFD):	74.69				HC:	31.82 cm	35w 6d	19%	HADLOCK-84
FL/HC:	0.21				Lateral vents:	3.82 mm			
HC/AC:	1.08				OFD:	11.42 cm			
					AC:	29.59 cm	33w 4d	7%	HADLOCK-84

Fetal Anatomy

Lateral ventricles:	Seen	Stomach:	Seen	Left kidney:	Seen
4-chamber heart:	Seen	Right kidney:	Seen	Bladder:	Seen

Fetal Vessels Doppler

	HR	SD	%tile	RI	%tile	PI	%tile	PSV (cm/s)	%tile
Umbilical Artery	163	3.91	98	0.74	97	1.36	99	48	53
Middle Cerebral Artery	155	7.63	94	0.87	92	2.2	88	58	67
	Ratio	%tile							
Cerebroplacental ratio	1.62	7							

Conclusions:

January 21, 2020 01:19 PM EST
David Nyberg, MD
Electronically Signed on Studycast

Single intrauterine gestation, 35 weeks and 6 days by LMP.

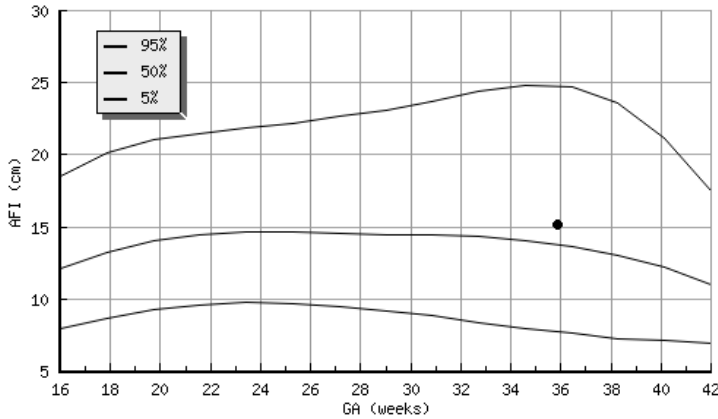
- * Current growth parameters are borderline low. Estimated fetal weight corresponds to the 10th percentile.
- * Normal amniotic fluid.
- * No abnormalities noted.
- * Normal biophysical profile score of 8 of 8.
- * Mildly elevated umbilical artery Doppler resistance but normally higher resistance of the middle cerebral artery Doppler. CPR (cephaloplacental ratio or MCA PI/ UM PI) is lower normal at 1.6 (NI > 1.35).



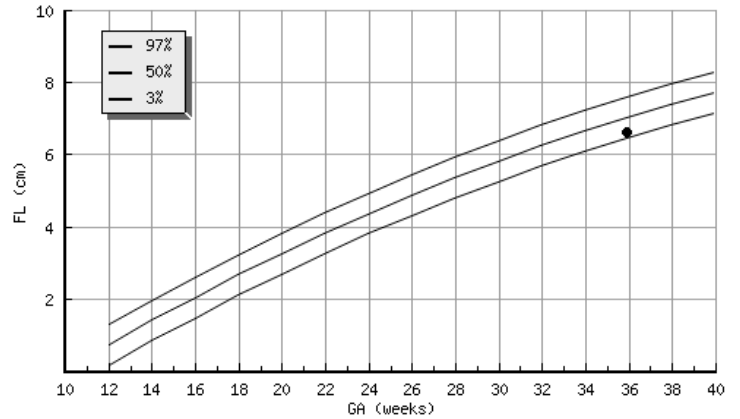
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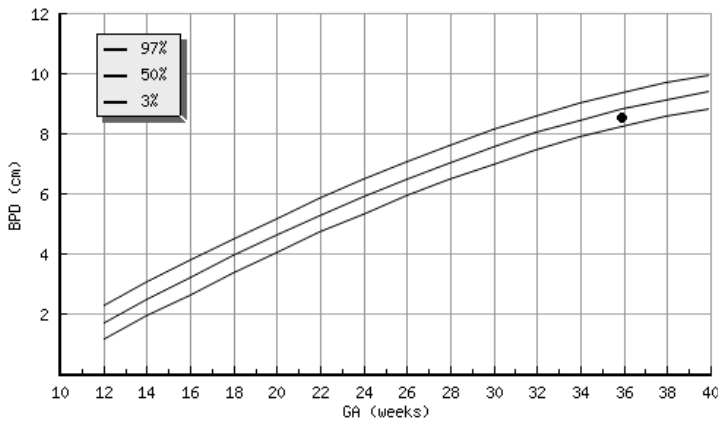
AFI by GA MOORE CAYLE 90



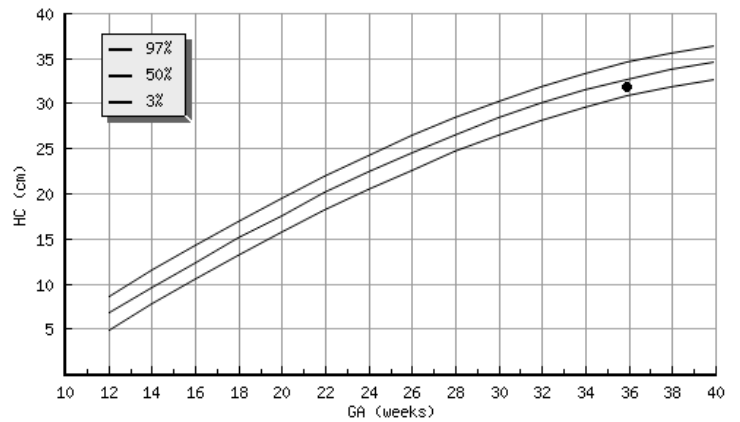
FL, Hadlock 84



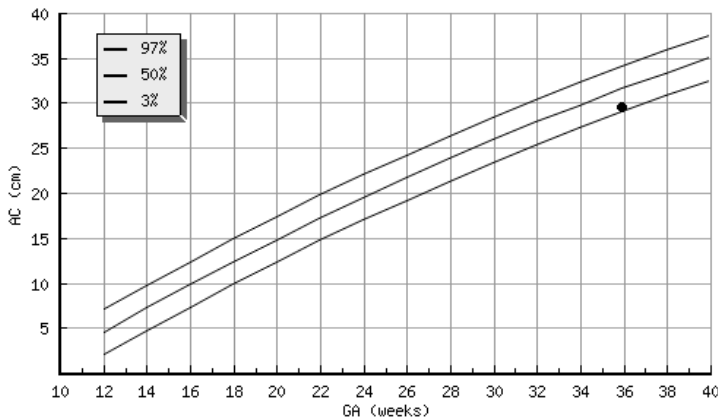
BPD, Hadlock 84



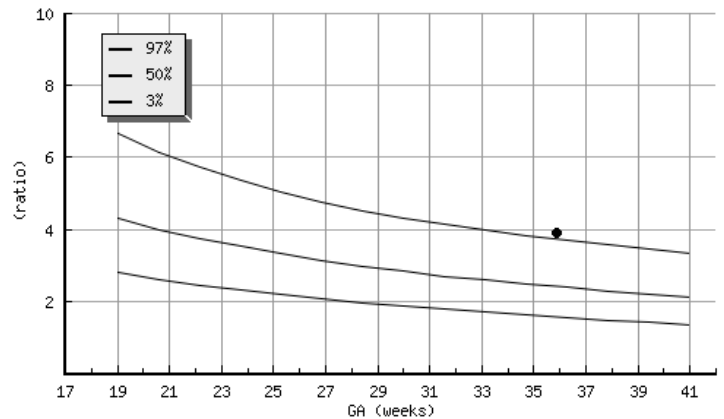
HC, Hadlock 84



AC, Hadlock 84



UA S/D Ratio, Acharya 2004

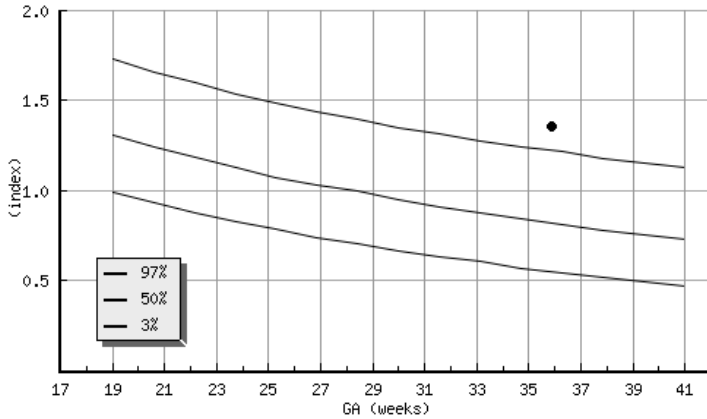




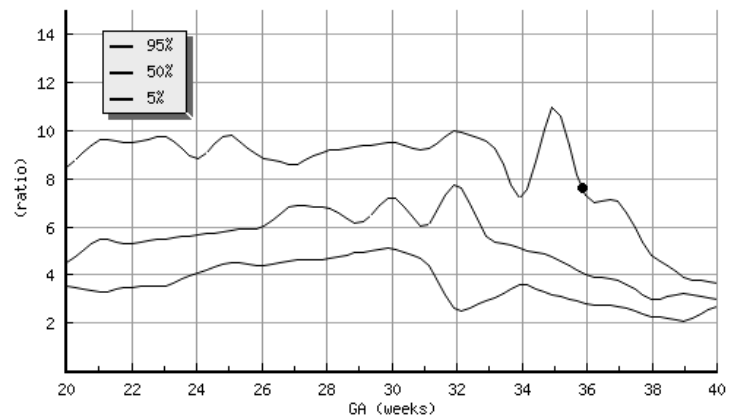
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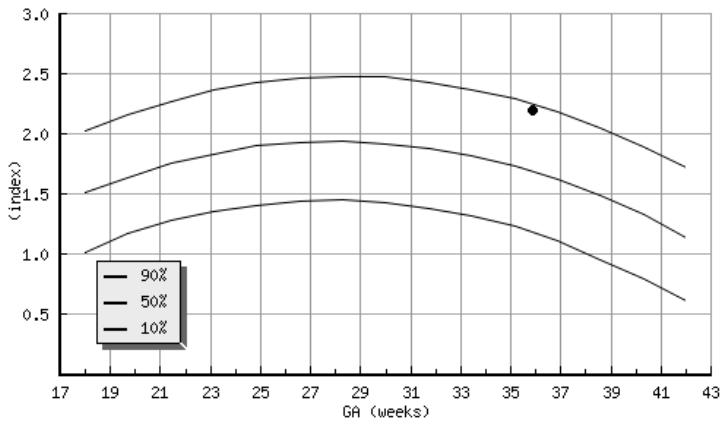
UA PI, Acharya 2004



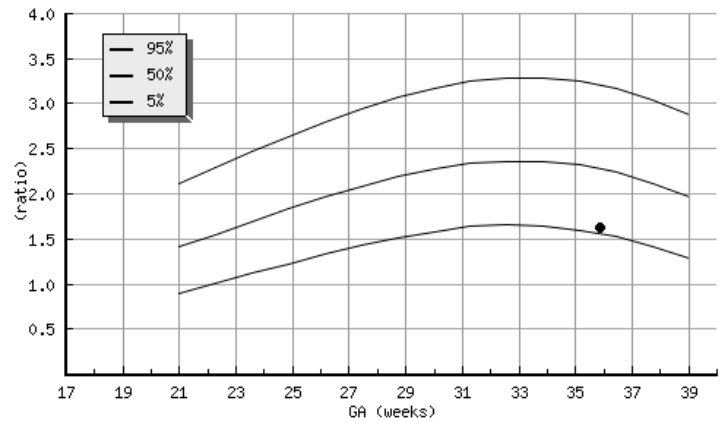
MCA S/D Ratio, Tanzamni 2008



MCA PI, Bahlmann 2002



CP Ratio, Ebbing 2007





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