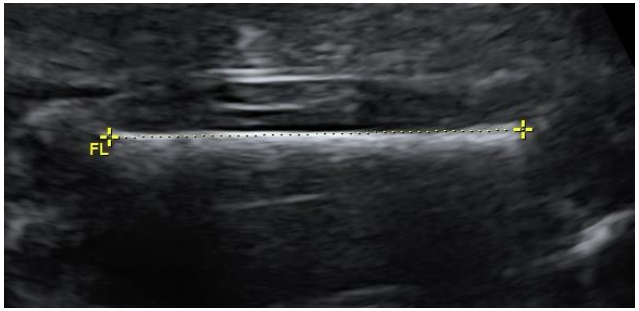
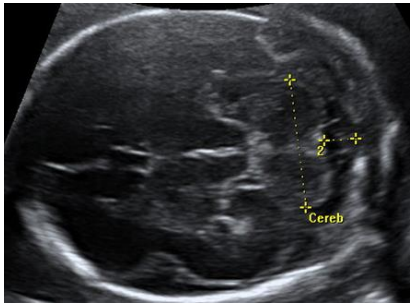
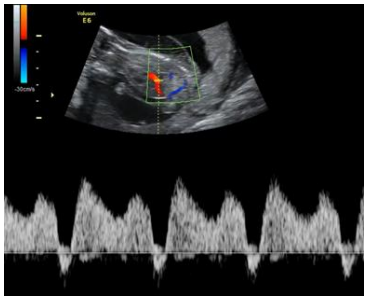
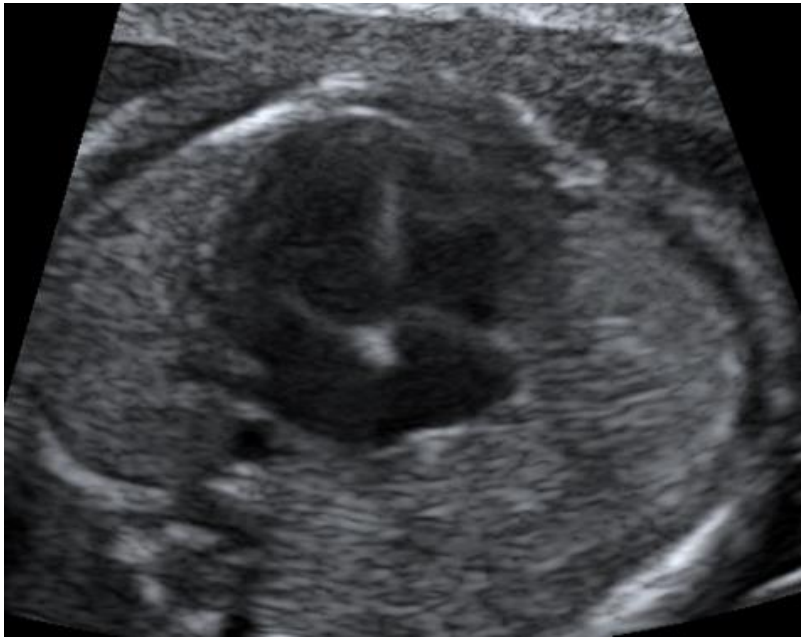
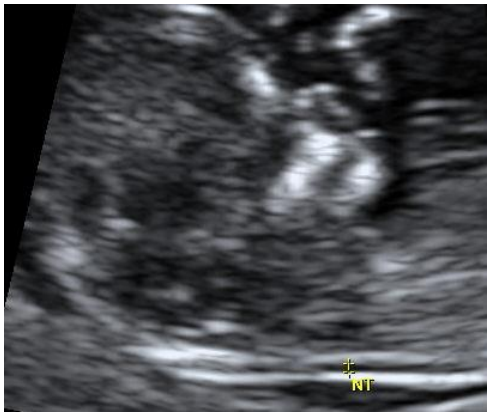
ÖLÇÜMLER

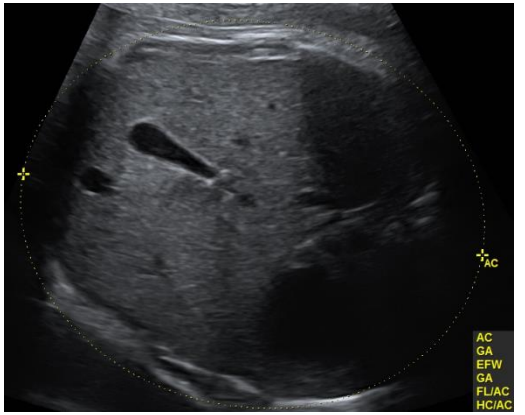












Dr. Selim BÜYÜKKURT

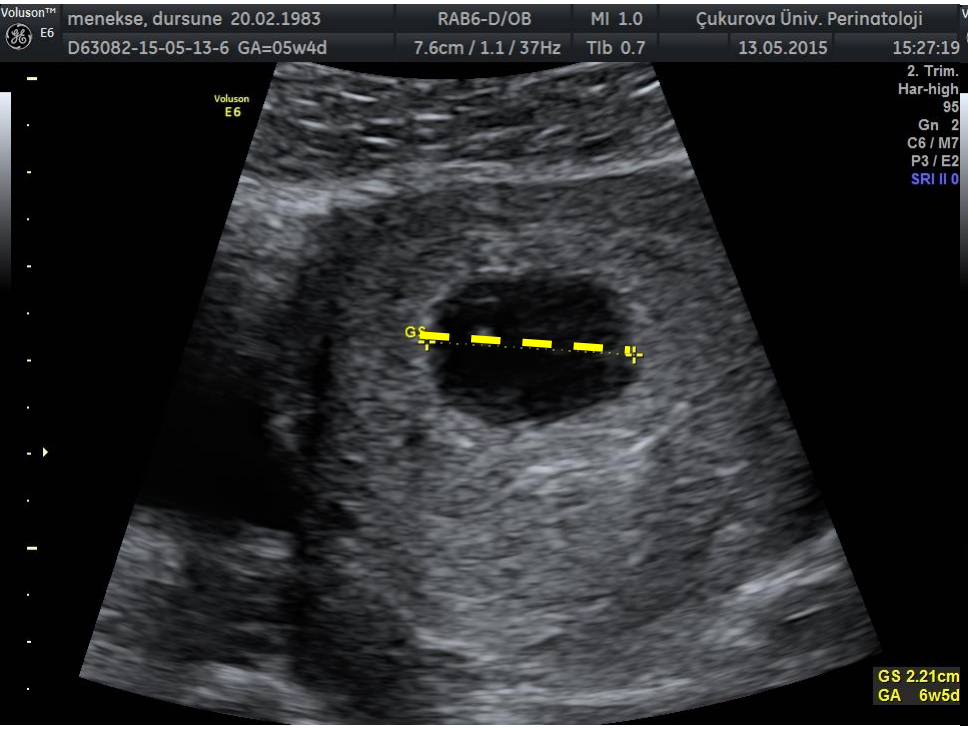
selimbuyukkurt@gmail.com

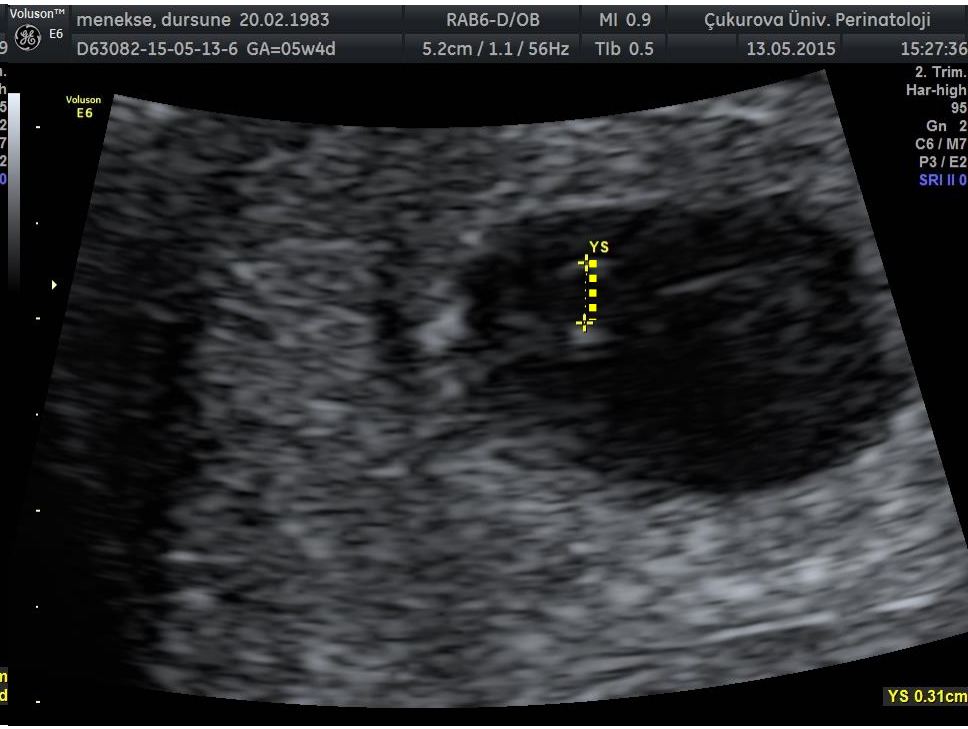
Sunum planı

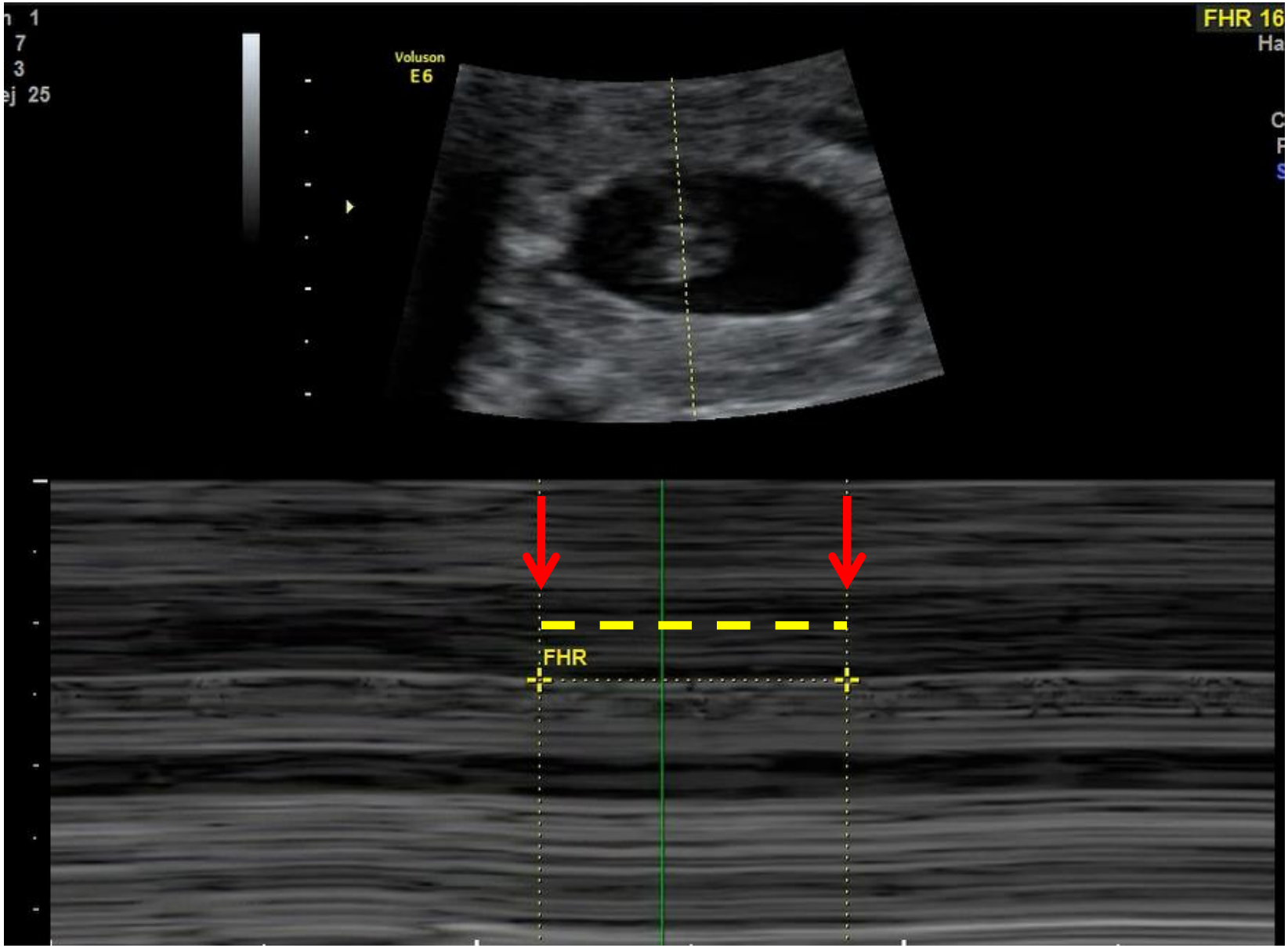
- **İLK ÜÇAY**
  - Genel gebelik ölçümleri
  - Biyometri
  - Spina bifida taraması
  - Trizomi taraması
  - Mesane çapı
  - Falus açısı
- **2. ve SON ÜÇAY**
  - Biyometri
  - Amniyotik sıvı
  - Yüz
  - Kafatası
  - Toraks
  - Batın
- **Doppler**

İLK ÜÇAY

Genel gebelik ölçümleri

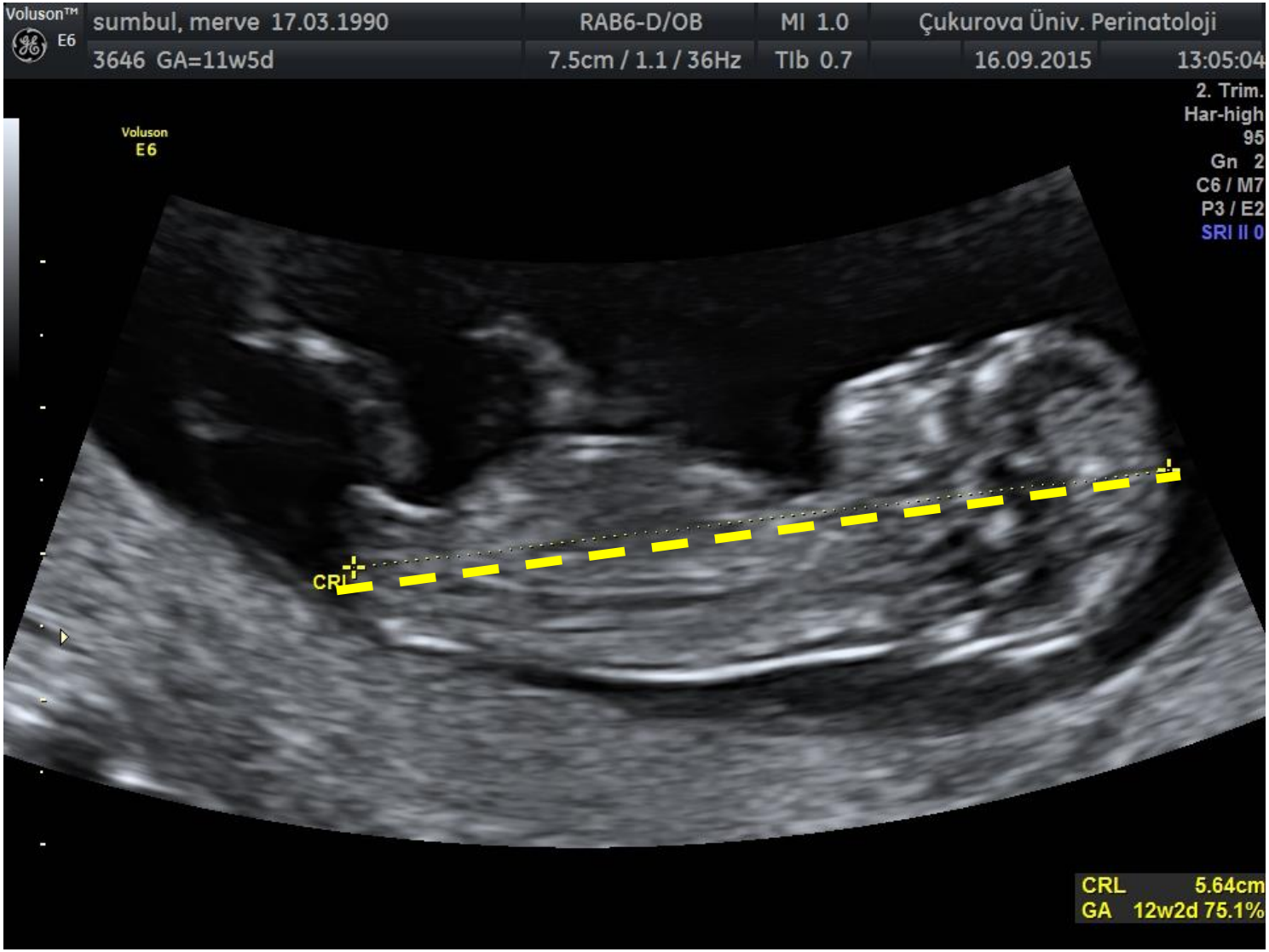




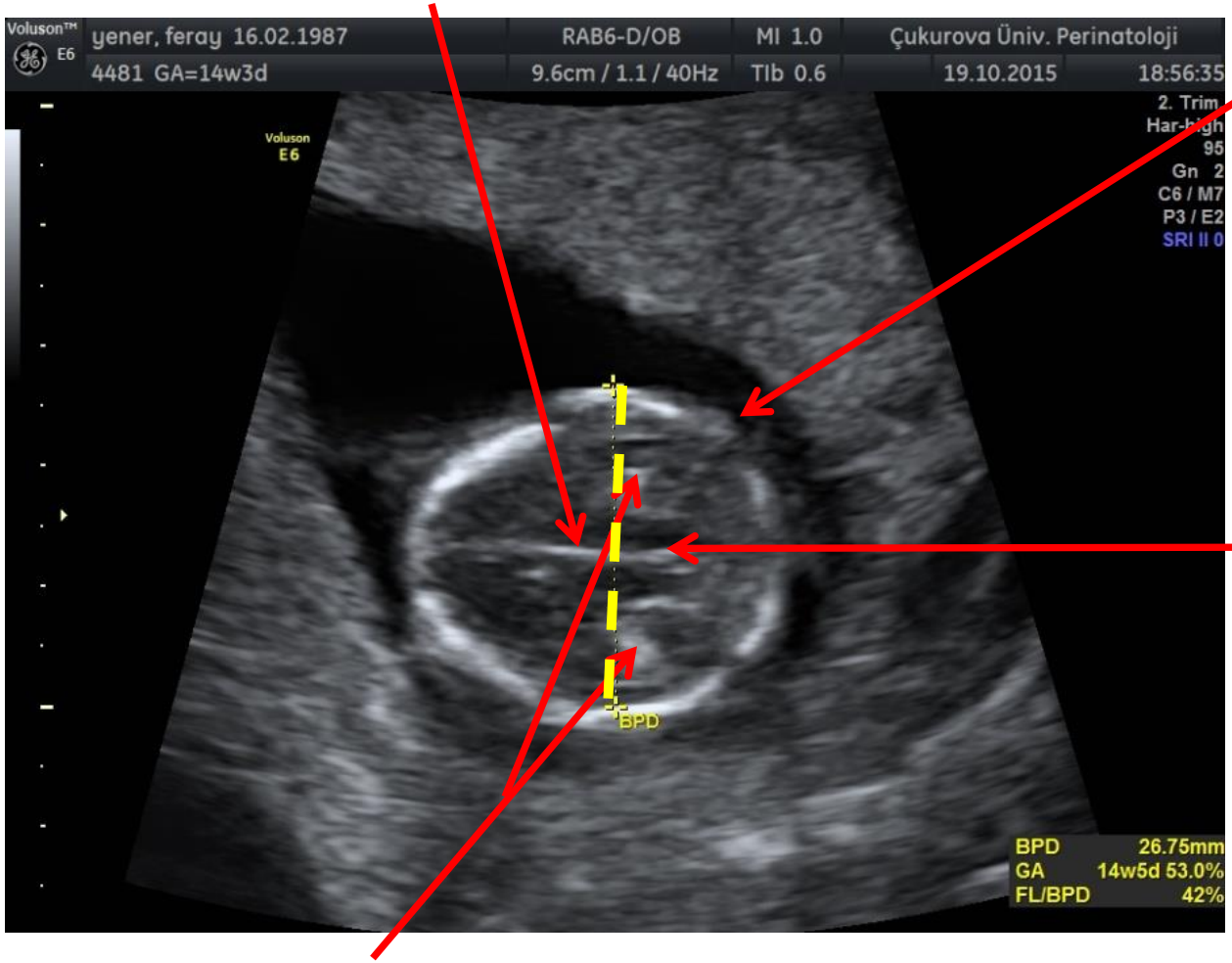

Voluson
E6
FHR 16
FHR

İLK ÜÇAY

Biyometri



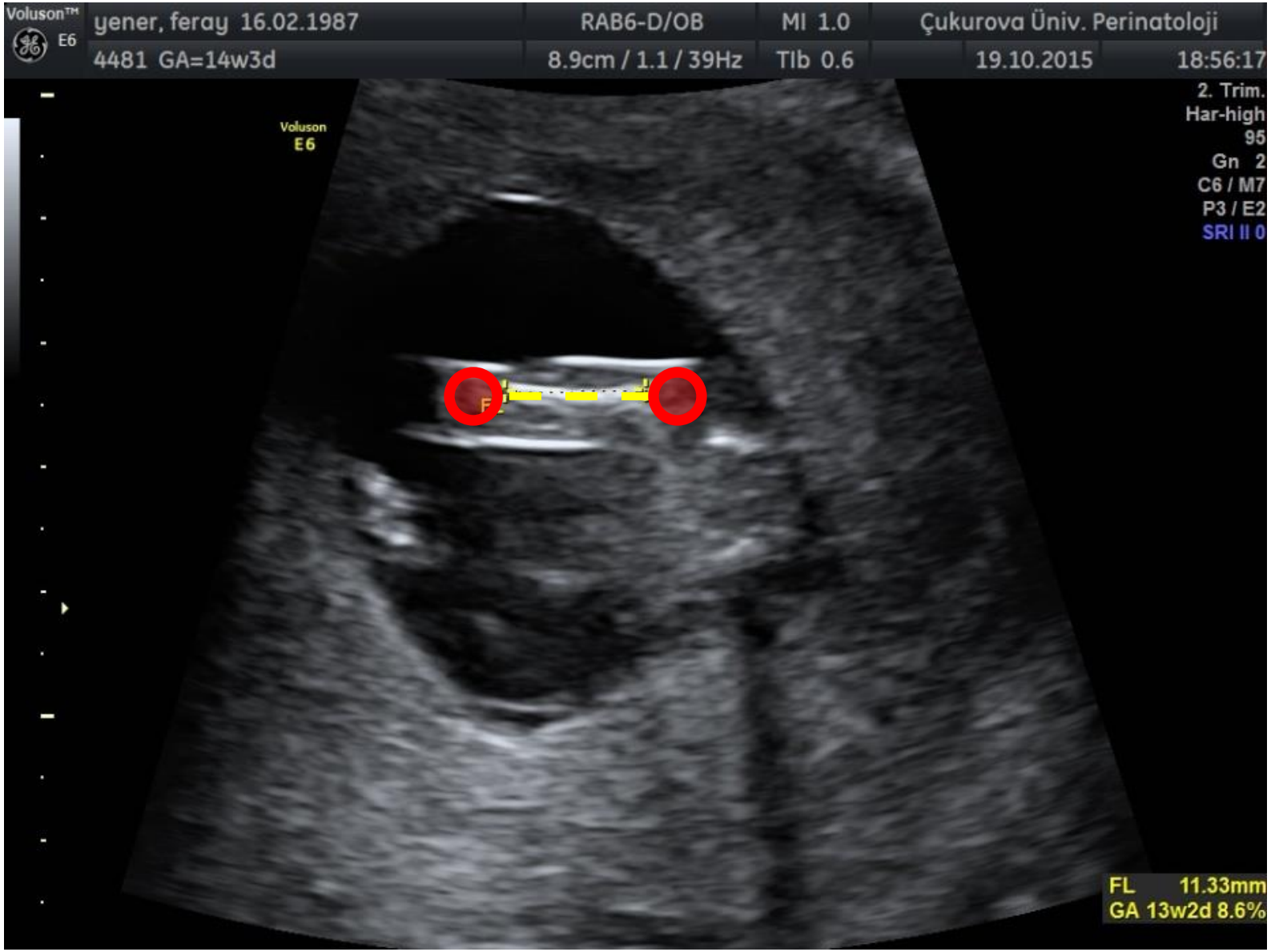
Falks serebri



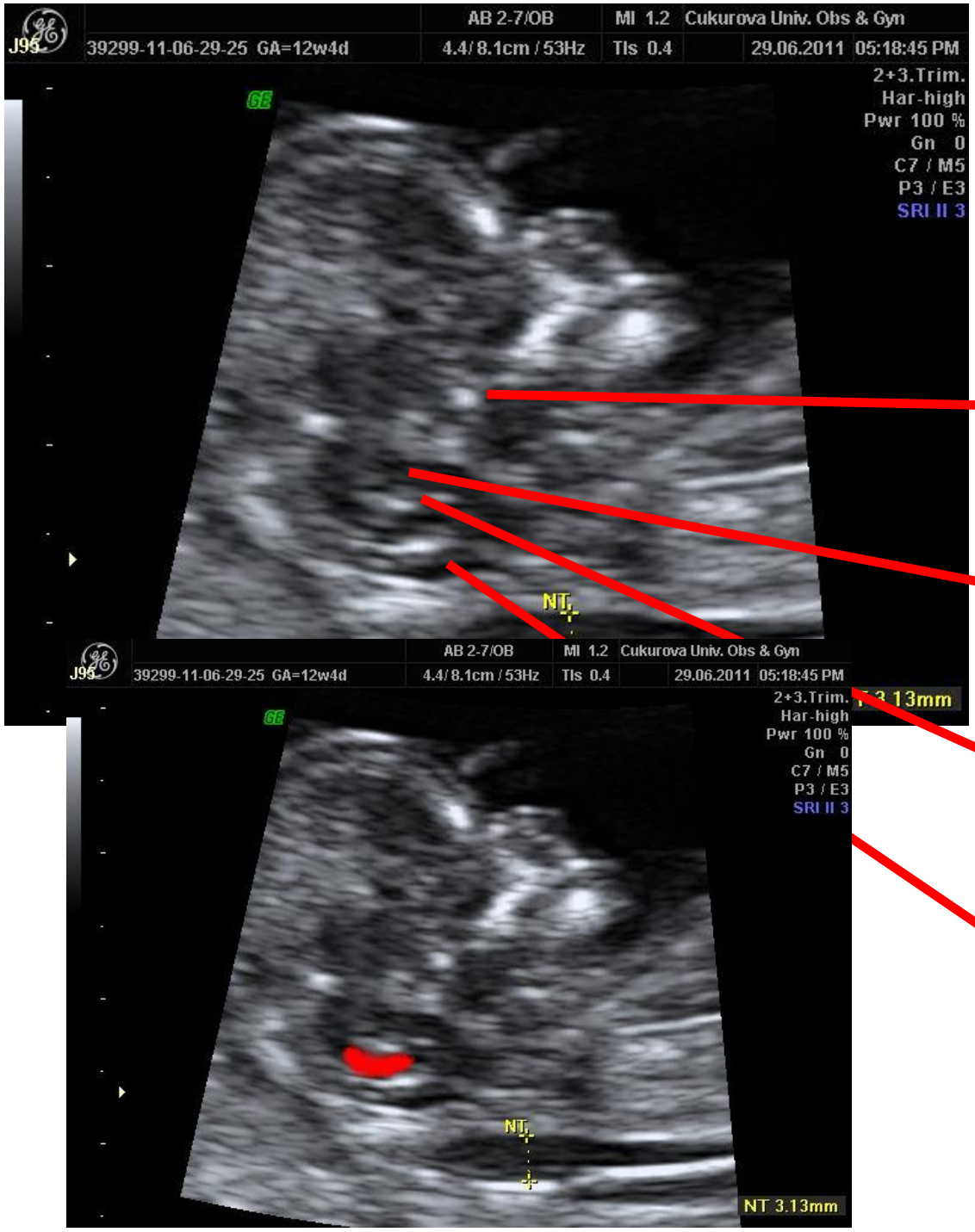
Kranium

Talamus

Koroid pleksus


Voluson™
E6
yener, feray 16.02.1987
RAB6-D/OB
MI 1.0
Çukurova Üniv. Perinatoloji
4481 GA=14w3d
8.9cm / 1.1 / 39Hz
TIb 0.6
19.10.2015
18:56:17
Voluson
E6
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
FL 11.33mm
GA 13w2d 8.6%

İLK ÜÇAY
Spina bifida taraması



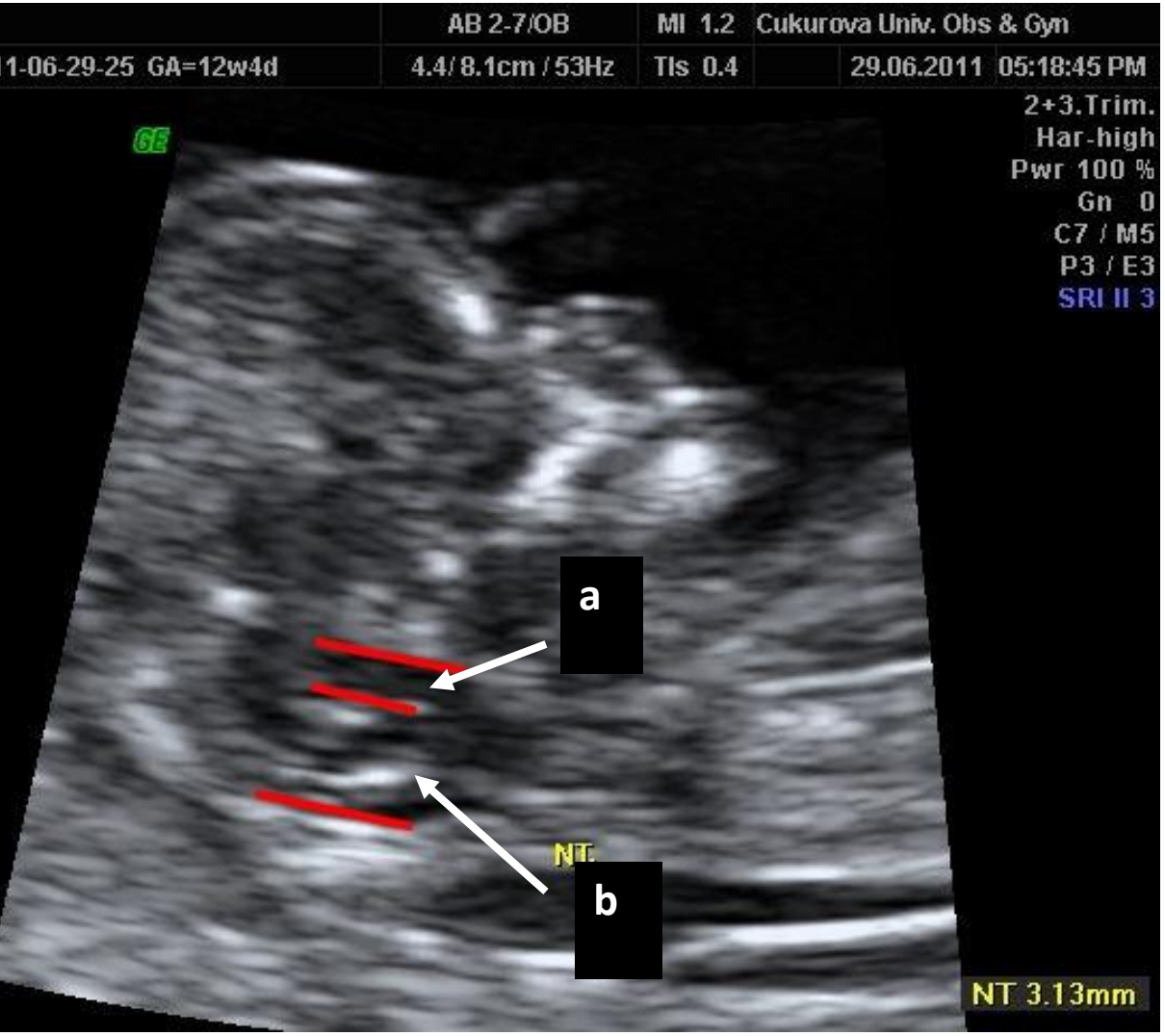
Sfenoid

Beyin sapı
- Mezensefalon
- Pons
- Bulbus

Koroid pleksus

Sisterna serebellomedullaris

Chaoui R UOG 2009



Beyin sapı genişliği: a

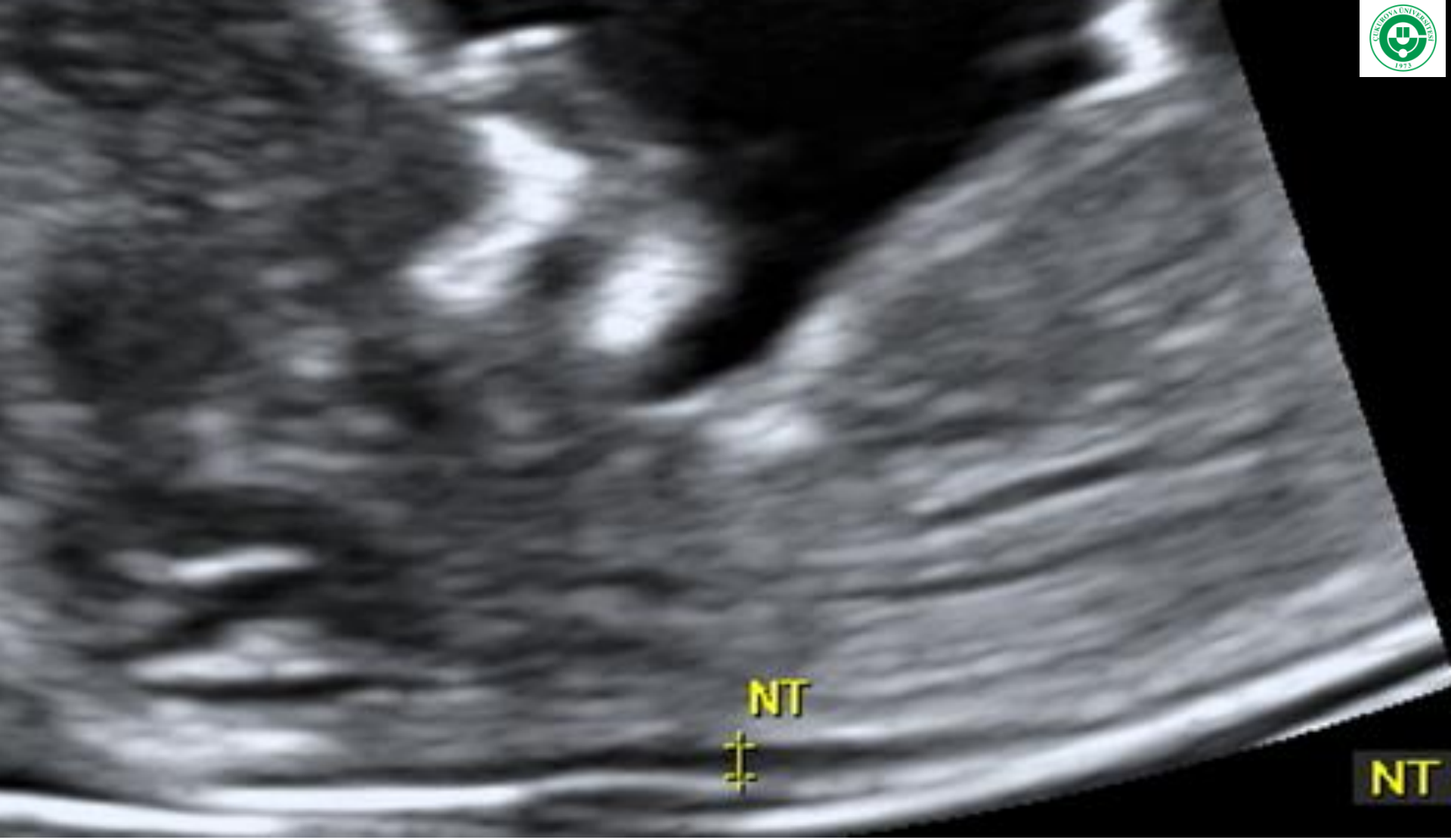
Beyin sapı-oksipital kemik: b

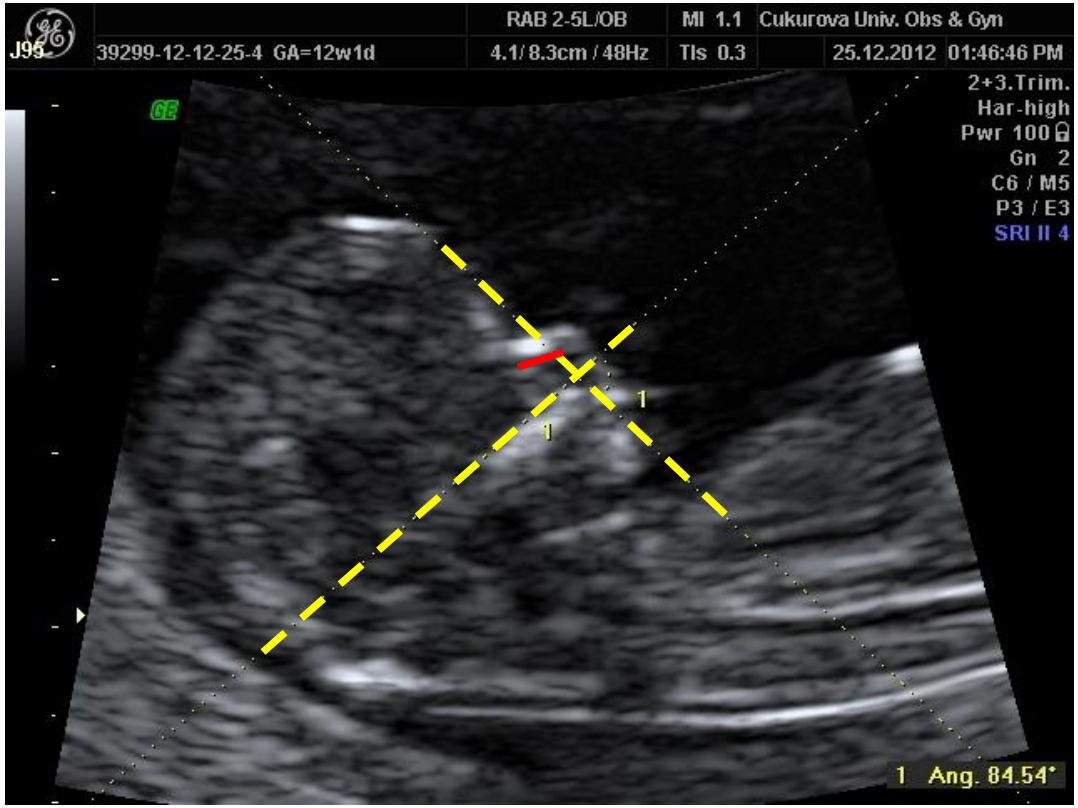
$$\frac{\text{Beyin sapı}}{\text{Beyin sapı-oksipital kemik}} : a/b$$

Lachmann R Prenat Diag 2010

İLK ÜÇAY

Trizomi taraması

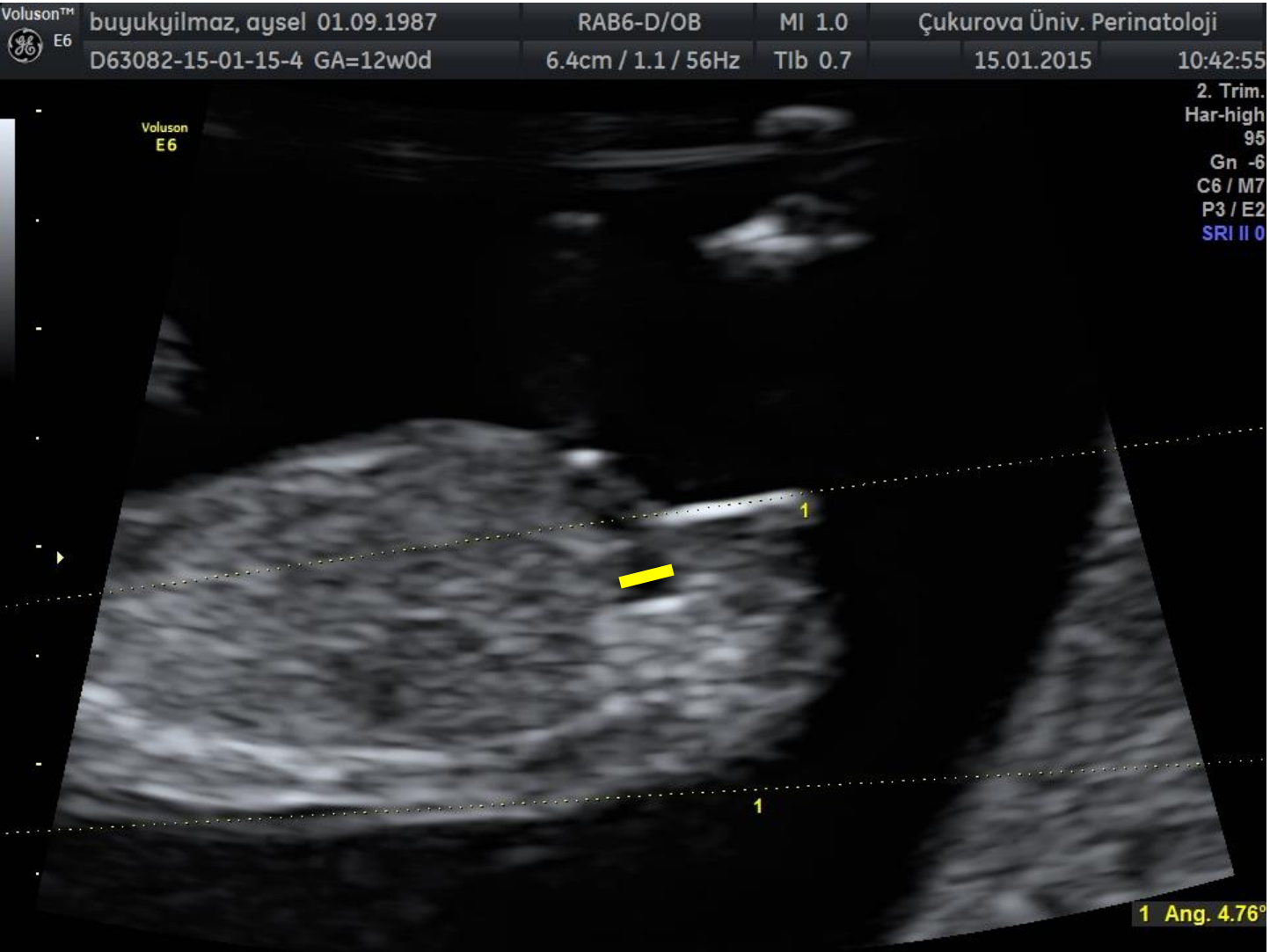

NT
NT

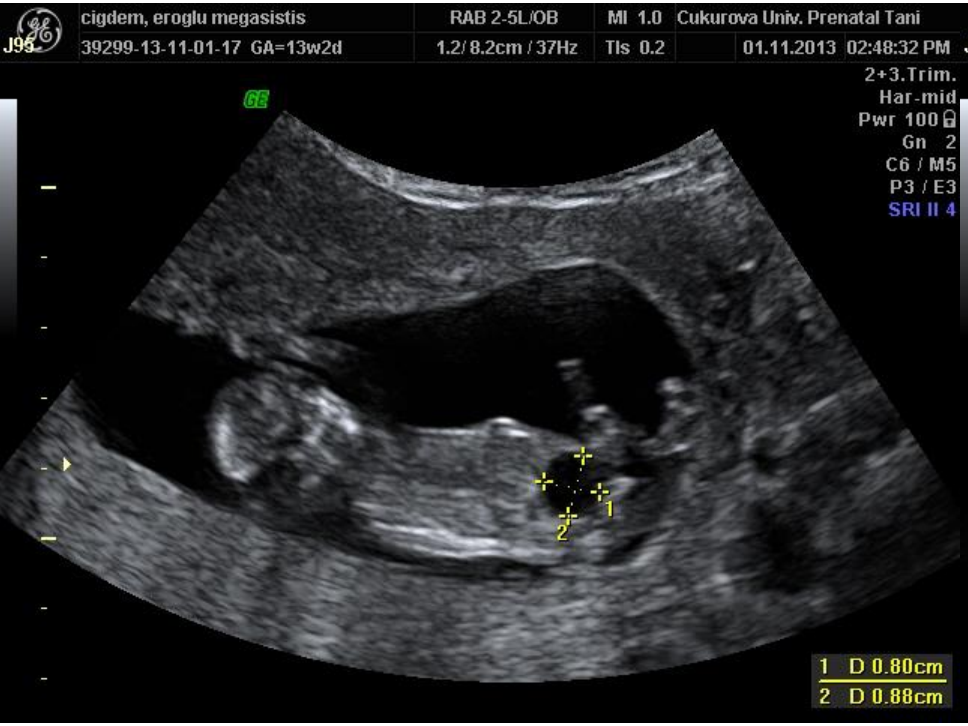


- Sajital görüntü
- Baş ve göğüs kafesinden oluşan görüntü
- Burun ucu, burun, üzerindeki cilt ve dikdörtgen şekilli damak

İLK ÜÇAY

Mesane çapı

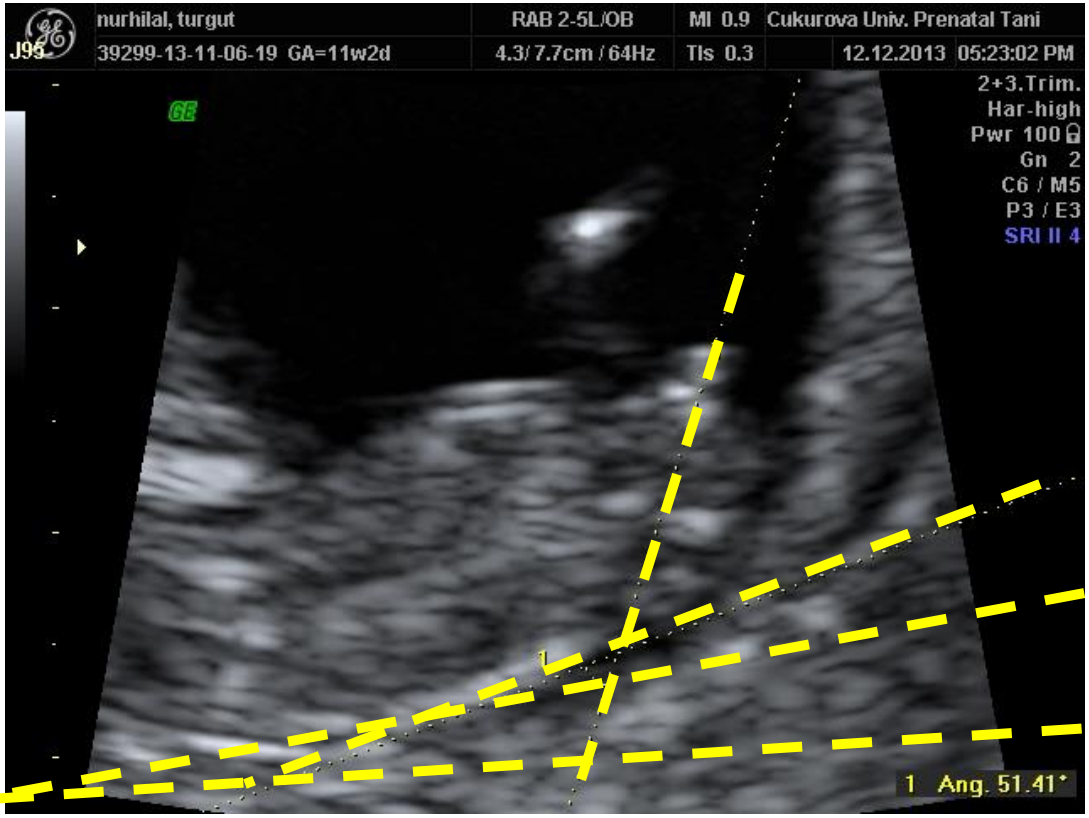


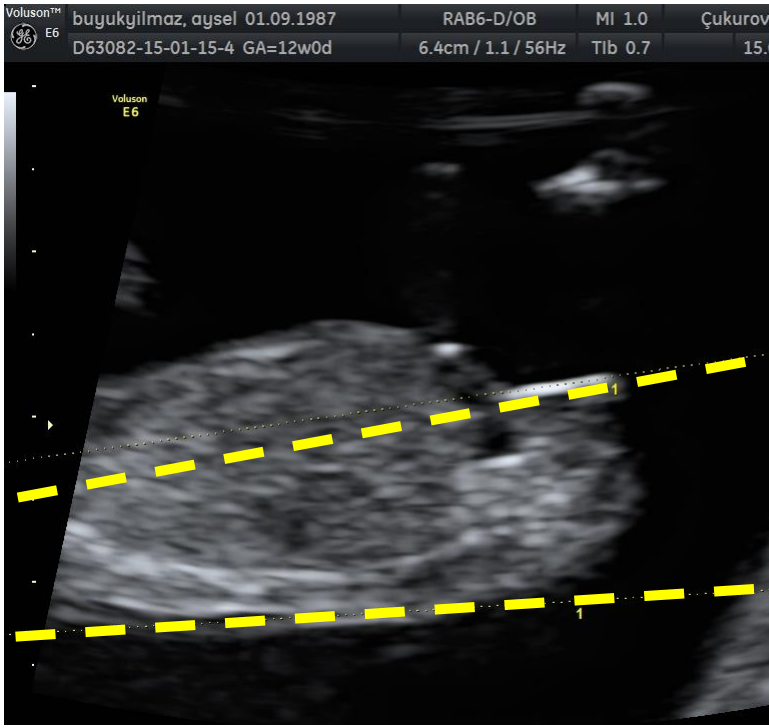

cigdem, eroglu megasistis
RAB 2-5L/OB
MI 1.0
Cukurova Univ. Prenatal Tani
39299-13-11-01-17 GA=13w2d
1.2/ 8.2cm / 37Hz
TIs 0.2
01.11.2013 02:48:32 PM
2+3.Trim.
Har-mid
Pwr 100
Gn 2
C6 / M5
P3 / E3
SRI II 4
1 D 0.80cm
2 D 0.88cm

ahit, diyap
RAB 2-5L/OB
MI 1.2
Cukurova Univ. Prenatal Tani
39299-14-11-05-5
0.4/ 8.4cm / 19Hz
TIs 0.2
05.11.2014 10:37:38 AM
2+3.Trim.
Har-high
Pwr 100
Gn 2
C6 / M5
P3 / E3
SRI II 4

İLK ÜÇAY

Falus açısı

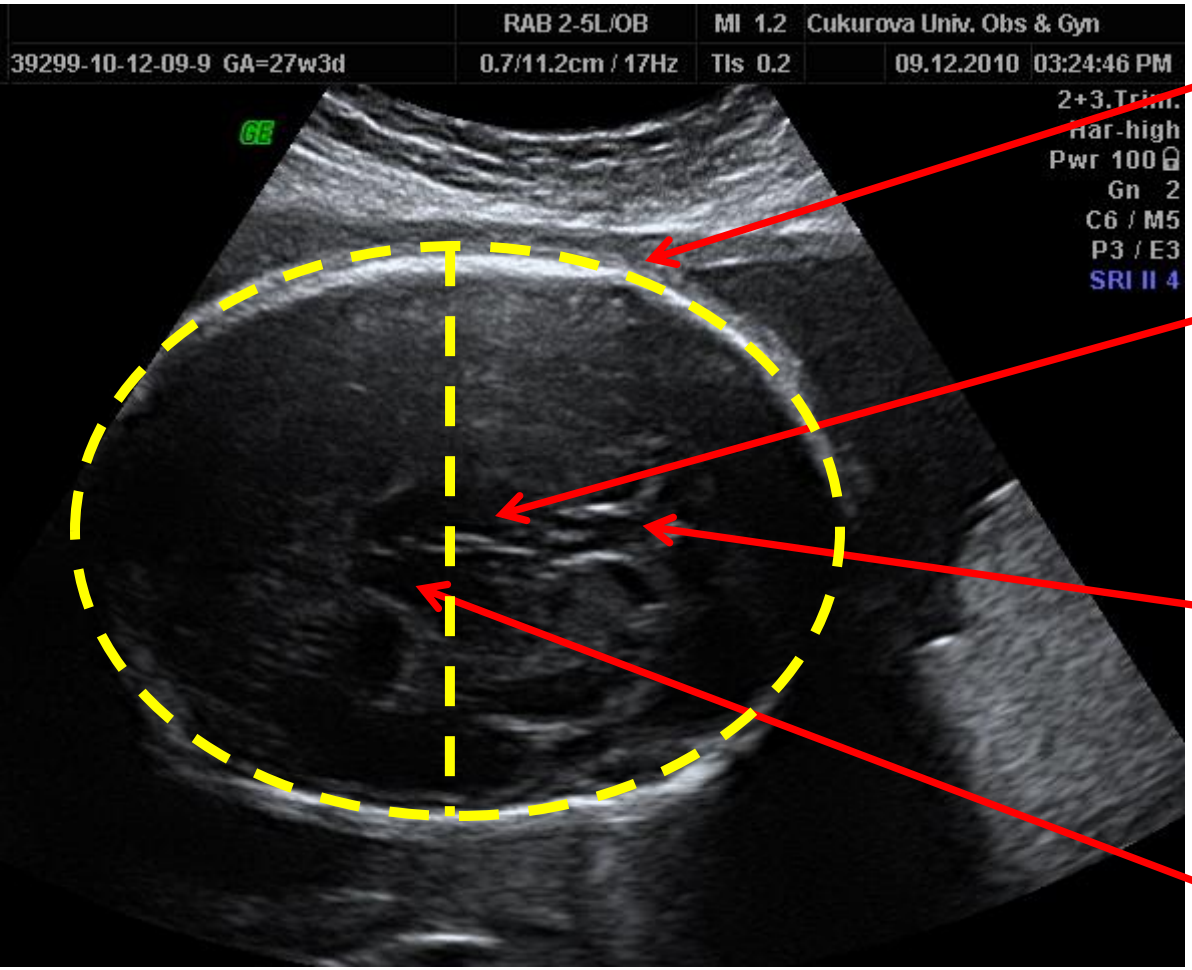




Ultrasound Obstet Gynecol 2011; 37: 557–561

2. ve SON ÜÇAY

Biyometri



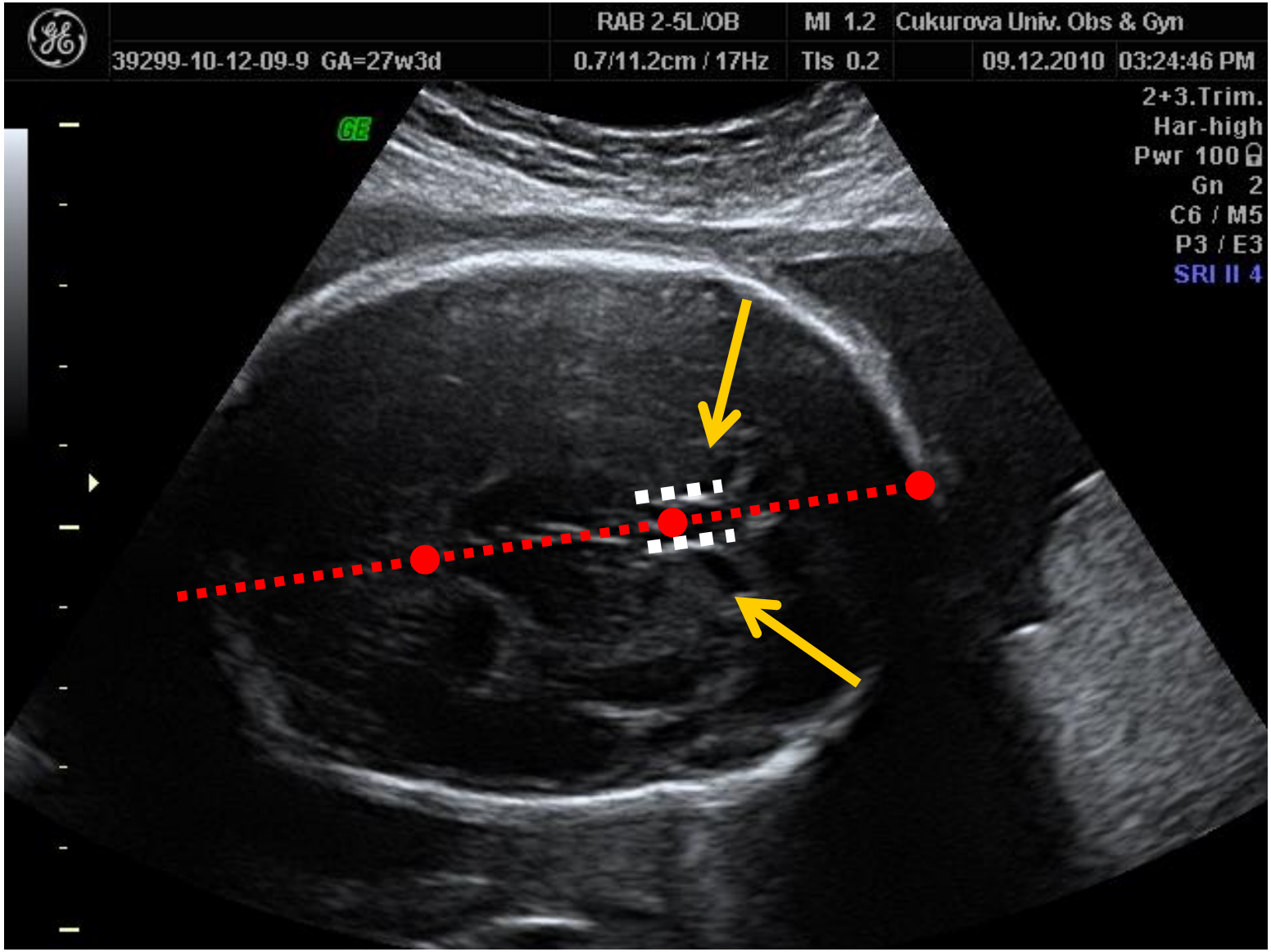
Kranium

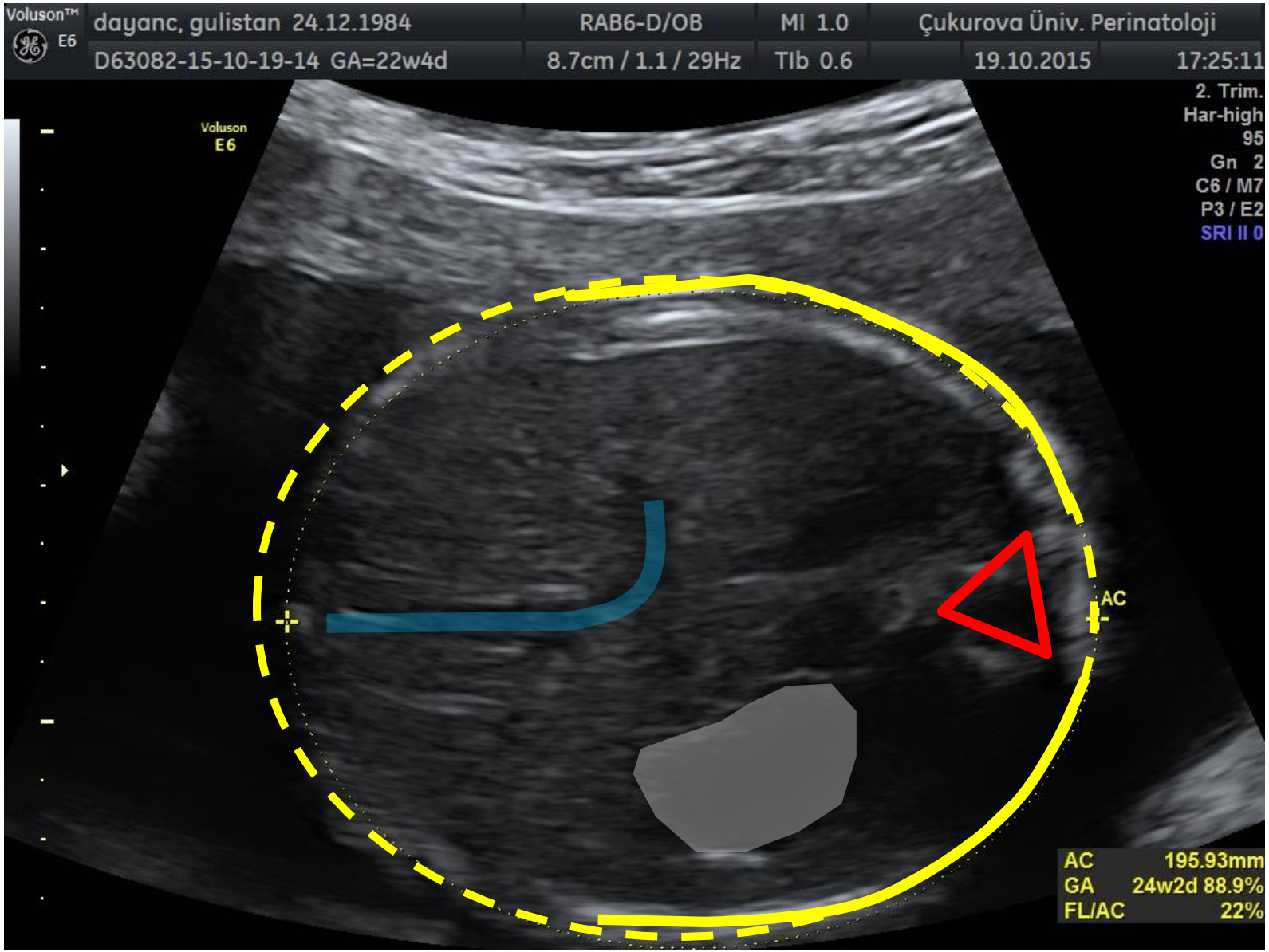
Falks serebri

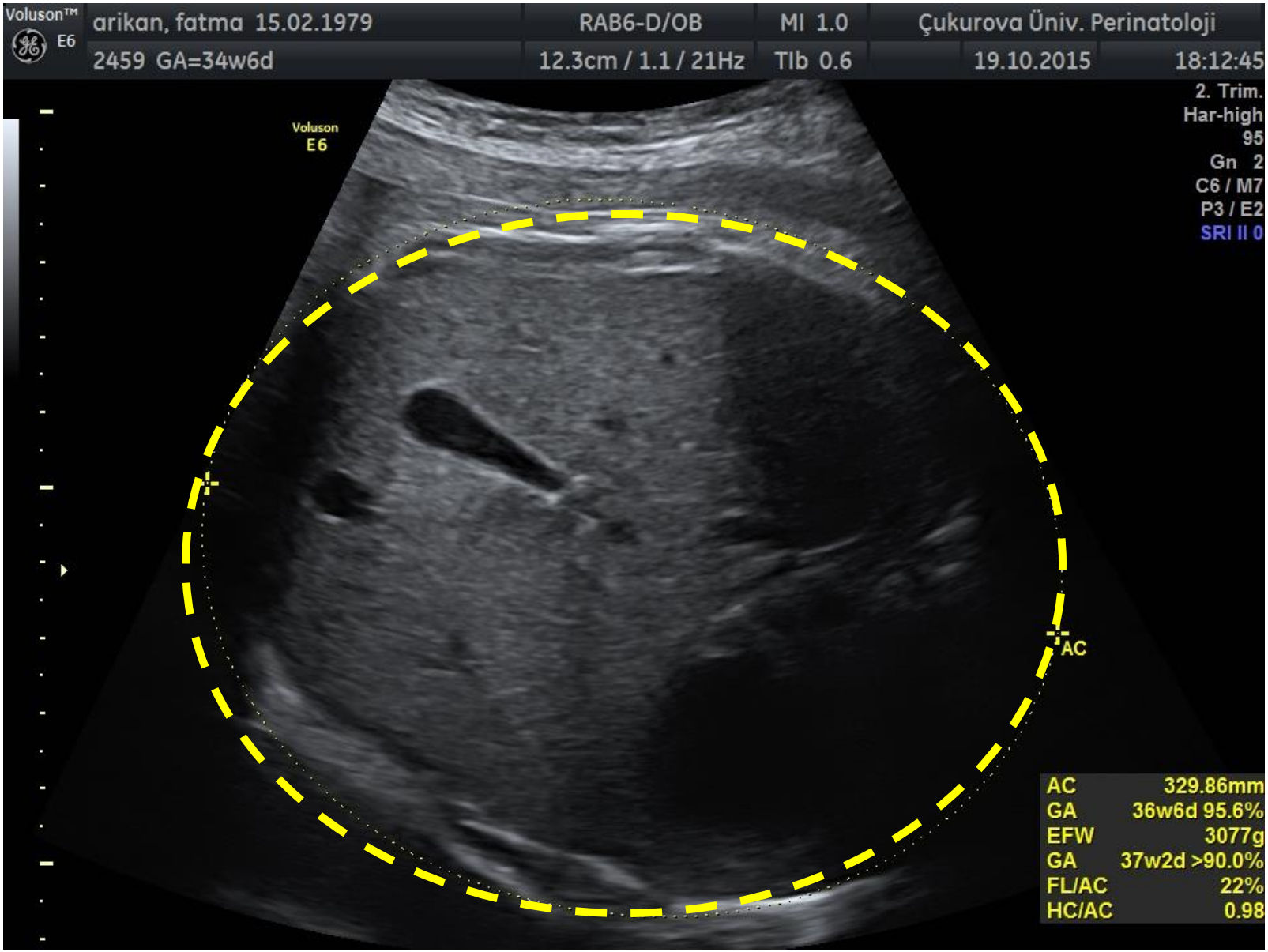
Kavum septum pellisidum

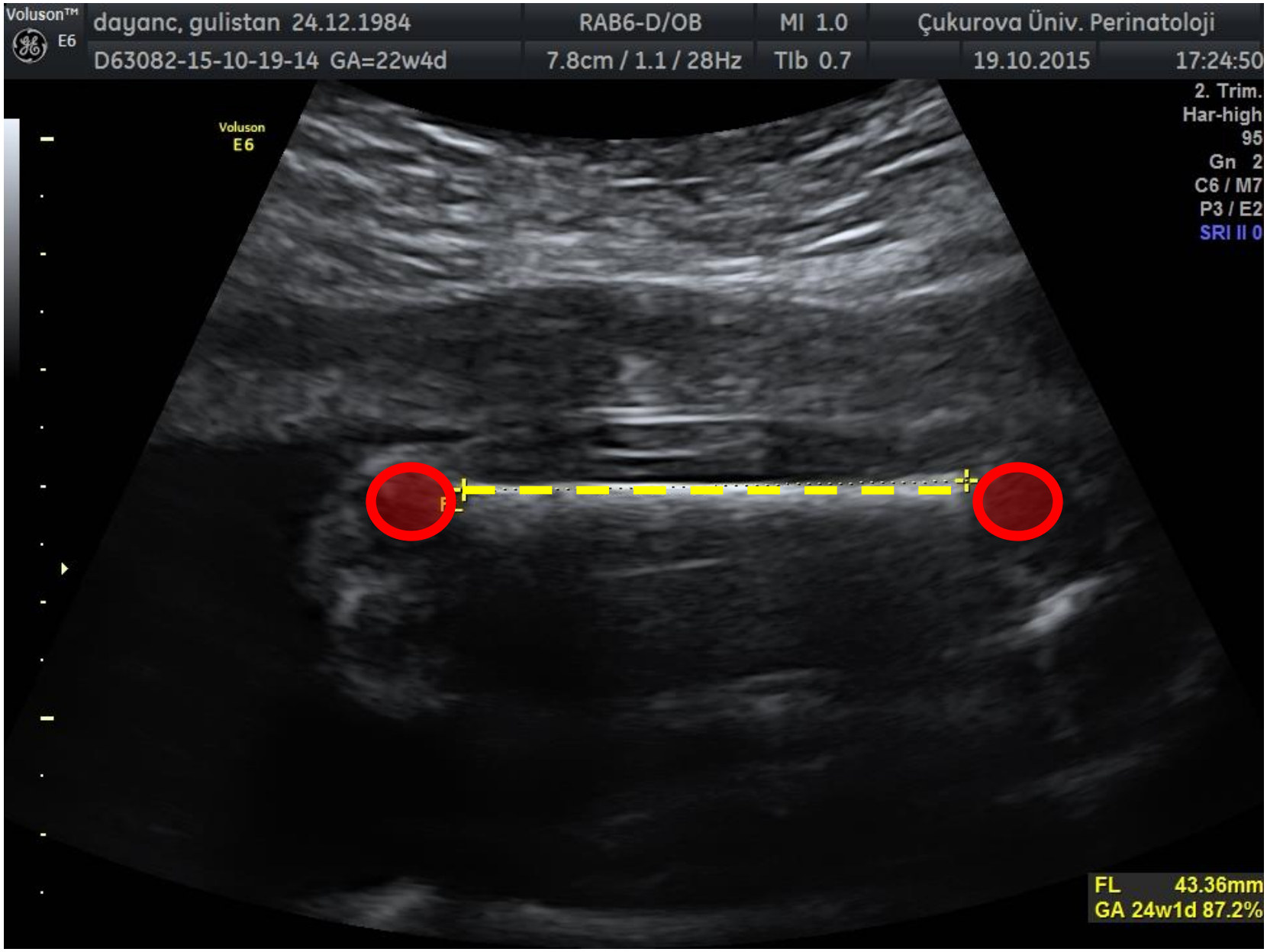
Talamus çekirdekleri

Kavum septum pellisidum




Voluson™ E6
dayanc, gulistan 24.12.1984
RAB6-D/OB
MI 1.0
Çukurova Üniv. Perinatoloji
D63082-15-10-19-14 GA=22w4d
8.7cm / 1.1 / 29Hz
TIb 0.6
19.10.2015
17:25:11
Voluson E6
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
AC
AC 195.93mm
GA 24w2d 88.9%
FL/AC 22%


Voluson™
E6
arikan, fatma 15.02.1979
RAB6-D/OB
MI 1.0
Çukurova Üniv. Perinatoloji
2459 GA=34w6d
12.3cm / 1.1 / 21Hz
TIb 0.6
19.10.2015
18:12:45
Voluson
E6
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
AC
AC 329.86mm
GA 36w6d 95.6%
EFW 3077g
GA 37w2d >90.0%
FL/AC 22%
HC/AC 0.98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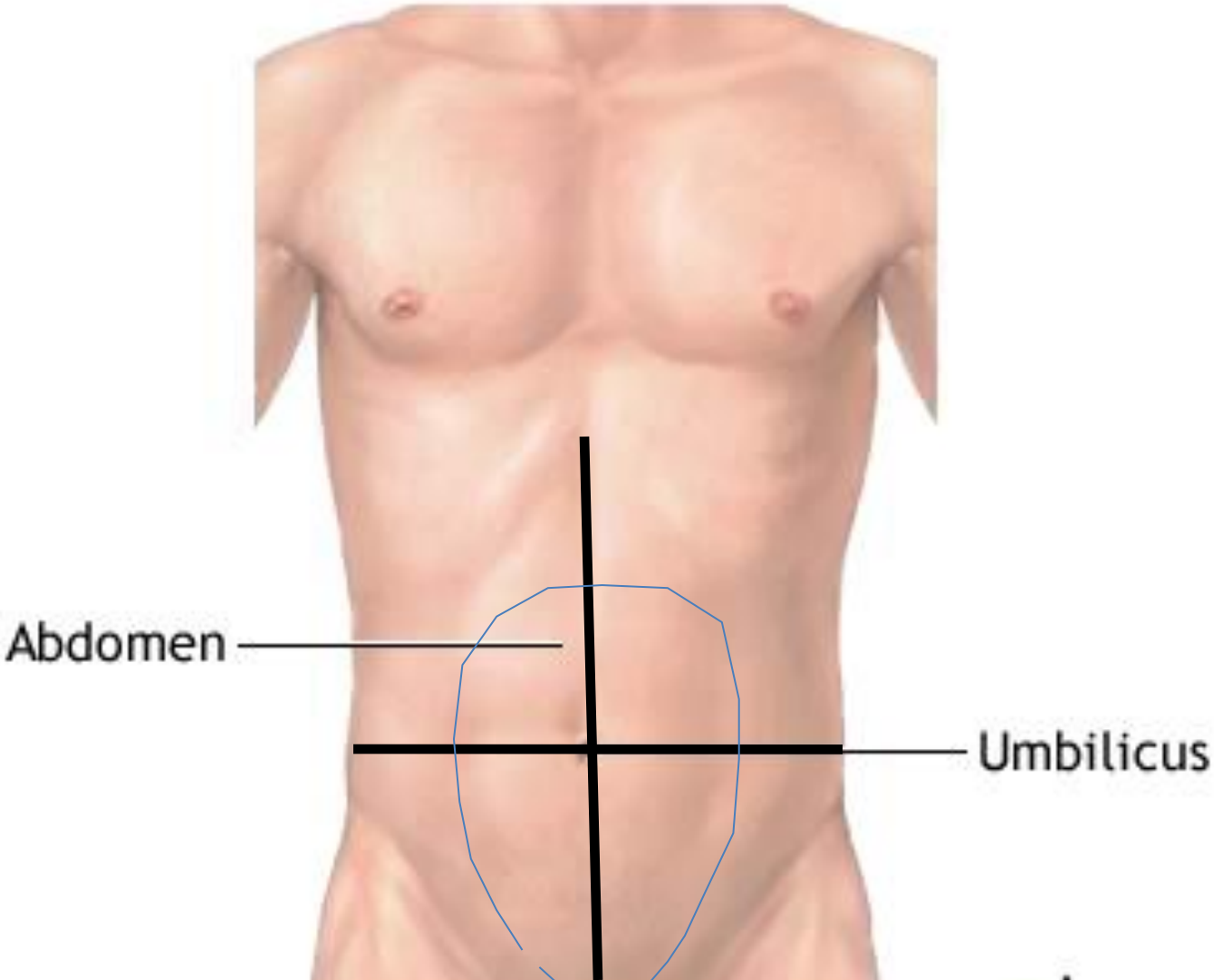
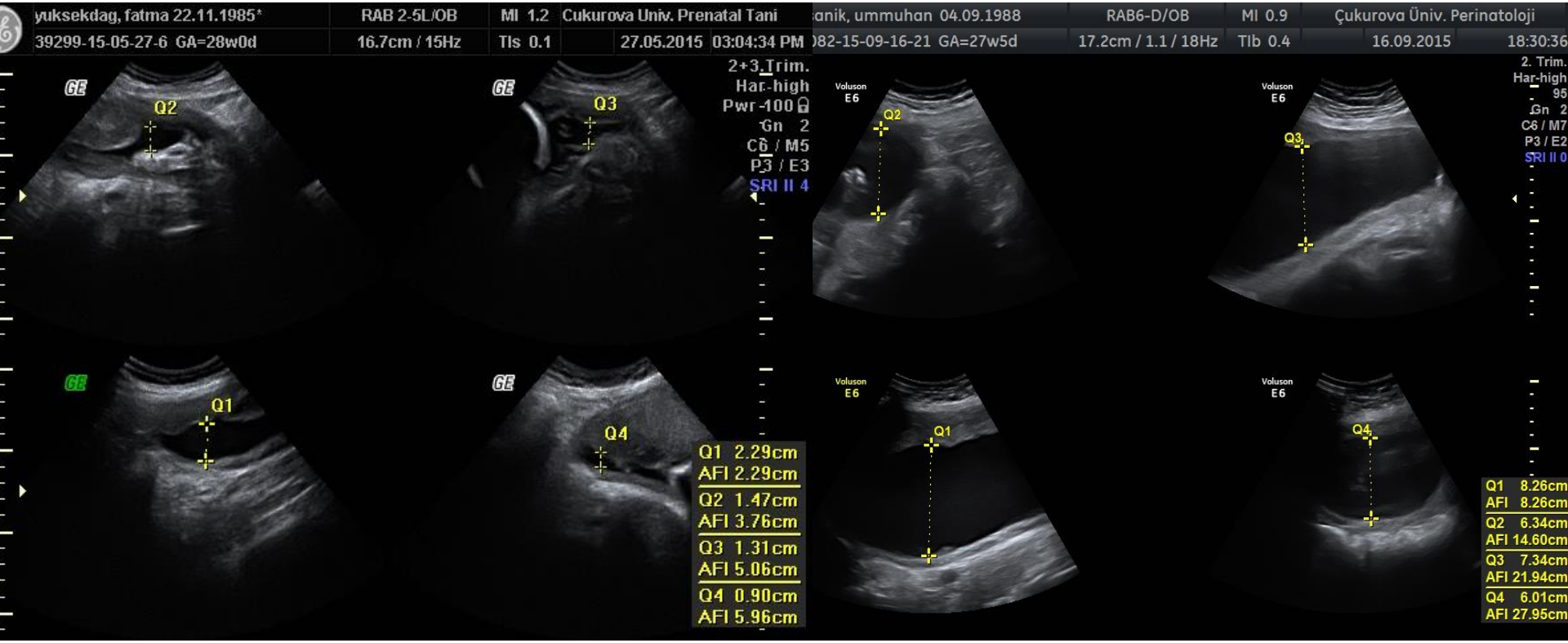
E6
dayanc, gulistan 24.12.1984
RAB6-D/OB
MI 1.0
Çukurova Üniv. Perinatoloji
D63082-15-10-19-14 GA=22w4d
7.8cm / 1.1 / 28Hz
TIb 0.7
19.10.2015
17:24:50
Voluson
E6
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
FL 43.36mm
GA 24w1d 87.2%

2. ve SON ÜÇAY

Amniyotik sıvı

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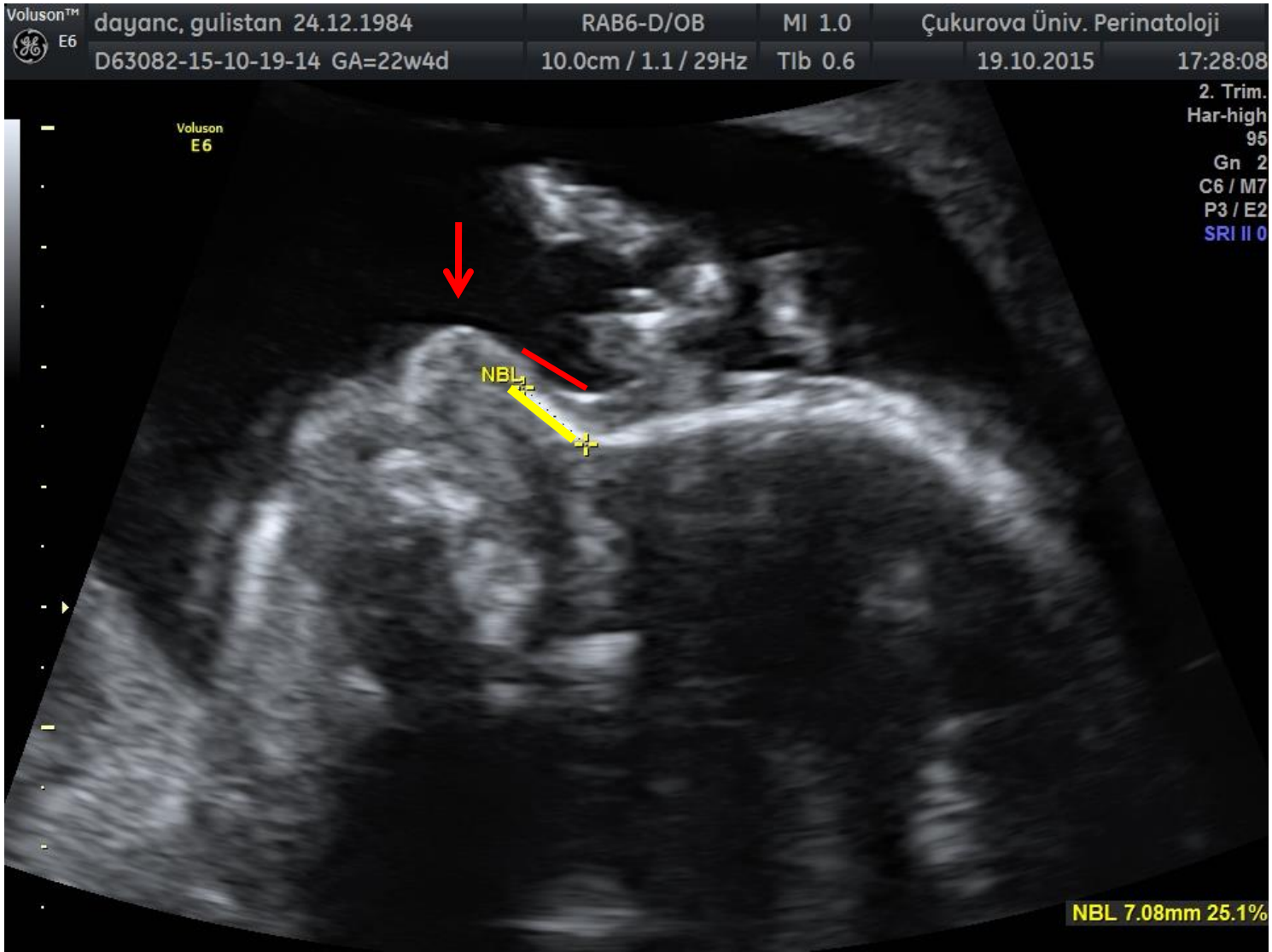
RAB 2-5L/OB
MI 1.2
Cukurova Univ. Prenatal Tani
39299-15-05-27-6 GA=28w0d
16.7cm / 15Hz
Tis 0.1
27.05.2015 03:04:34 PM
2+3 Trim.
Har-high
Pwr-100
Gn 2
C6 / M5
P3 / E3
SRI II 4
Q1 2.29cm
AFI 2.29cm
Q2 1.47cm
AFI 3.76cm
Q3 1.31cm
AFI 5.06cm
Q4 0.90cm
AFI 5.96cm
anik, ummuhan 04.09.1988
RAB6-D/OB
MI 0.9
Çukurova Üniv. Perinatoloji
082-15-09-16-21 GA=27w5d
17.2cm / 1.1 / 18Hz
Tib 0.4
16.09.2015
18:30:36
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
Q1 8.26cm
AFI 8.26cm
Q2 6.34cm
AFI 14.60cm
Q3 7.34cm
AFI 21.94cm
Q4 6.01cm
AFI 27.95cm

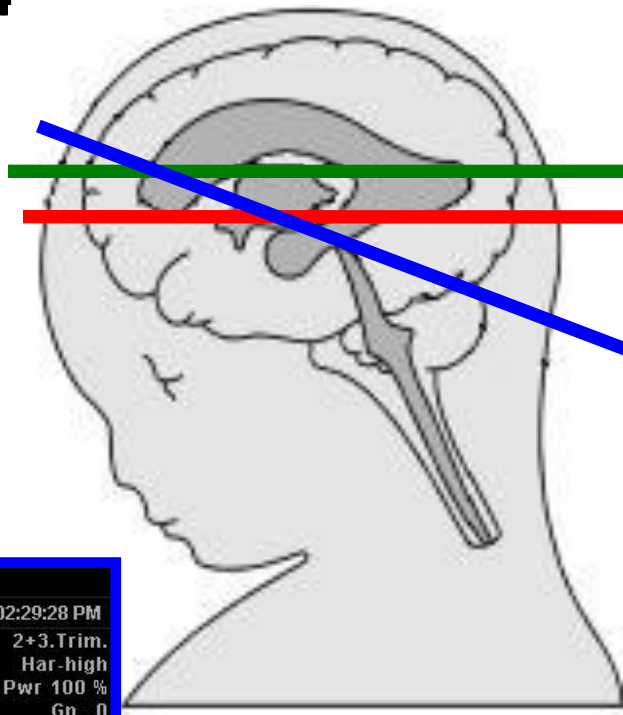
2. ve SON ÜÇAY

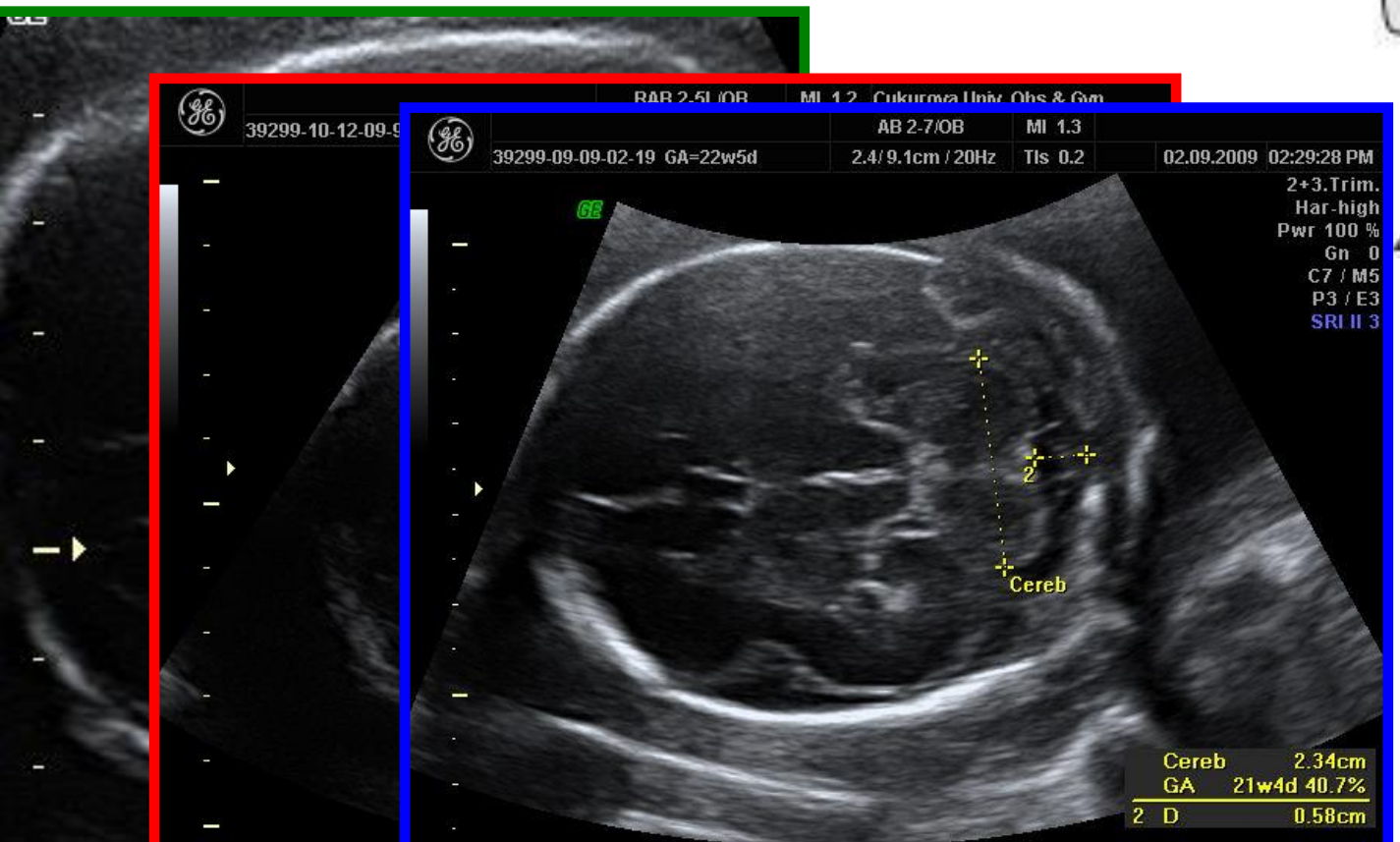
Yüz



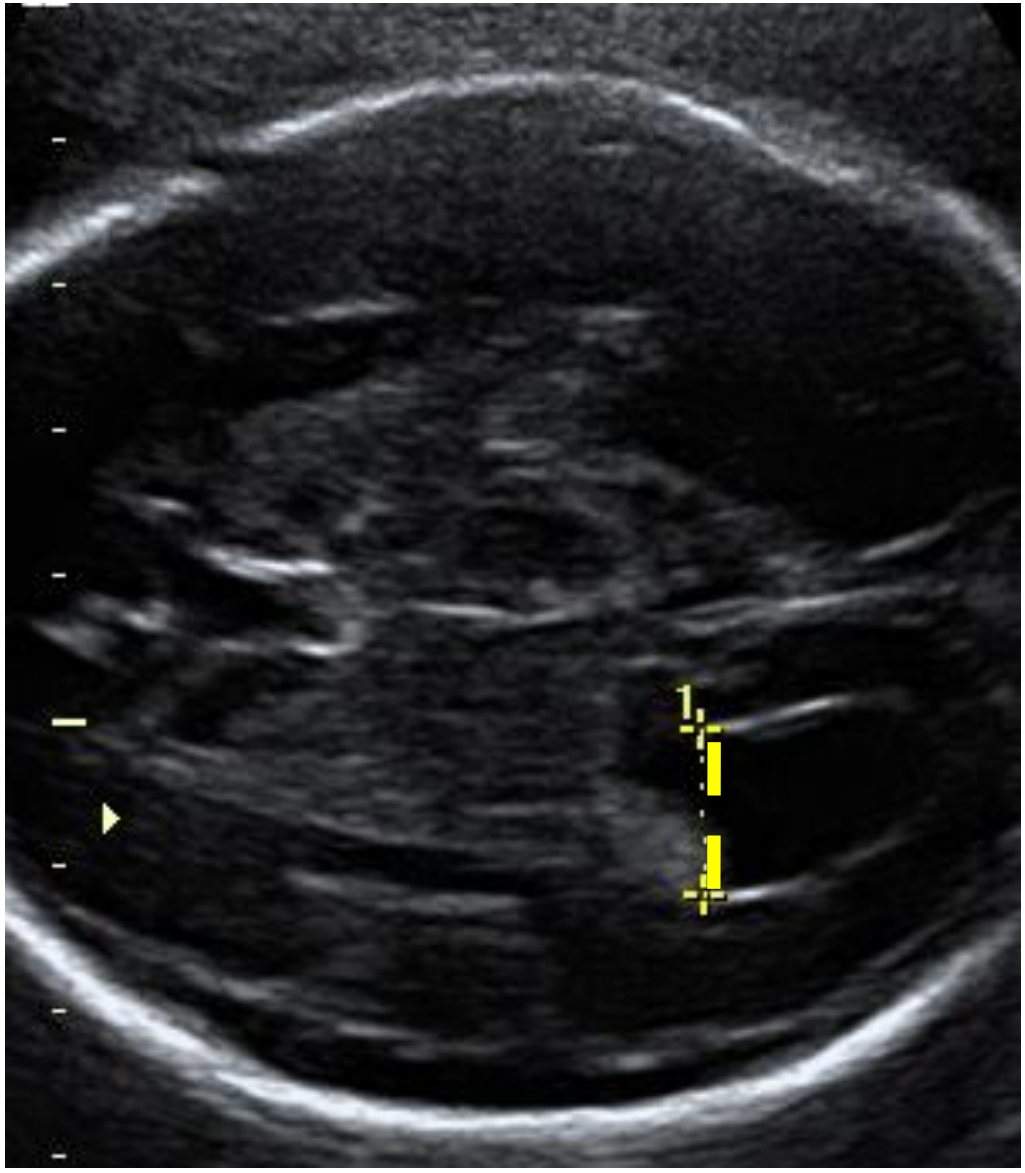
2. ve SON ÜÇAY

Kafatası

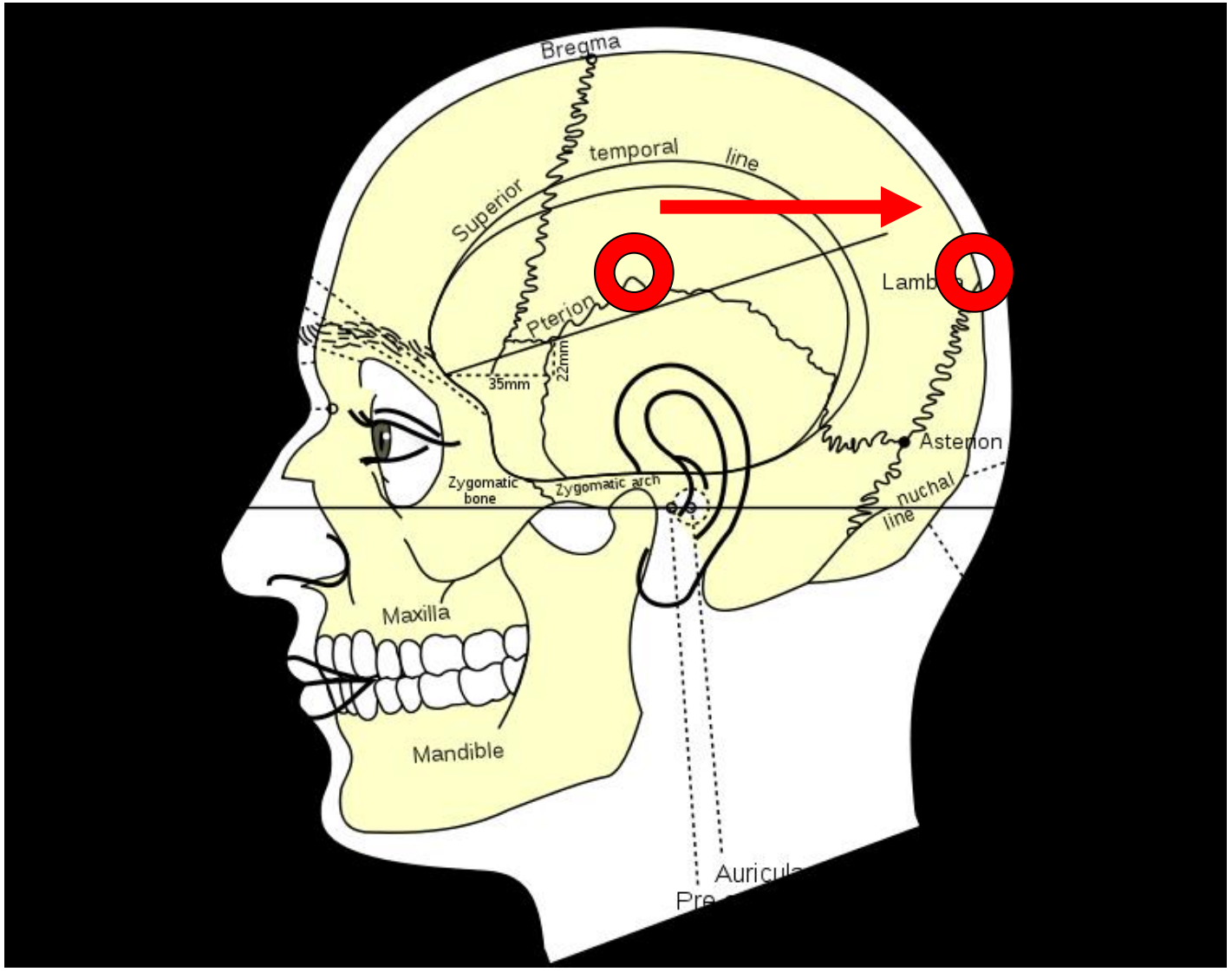


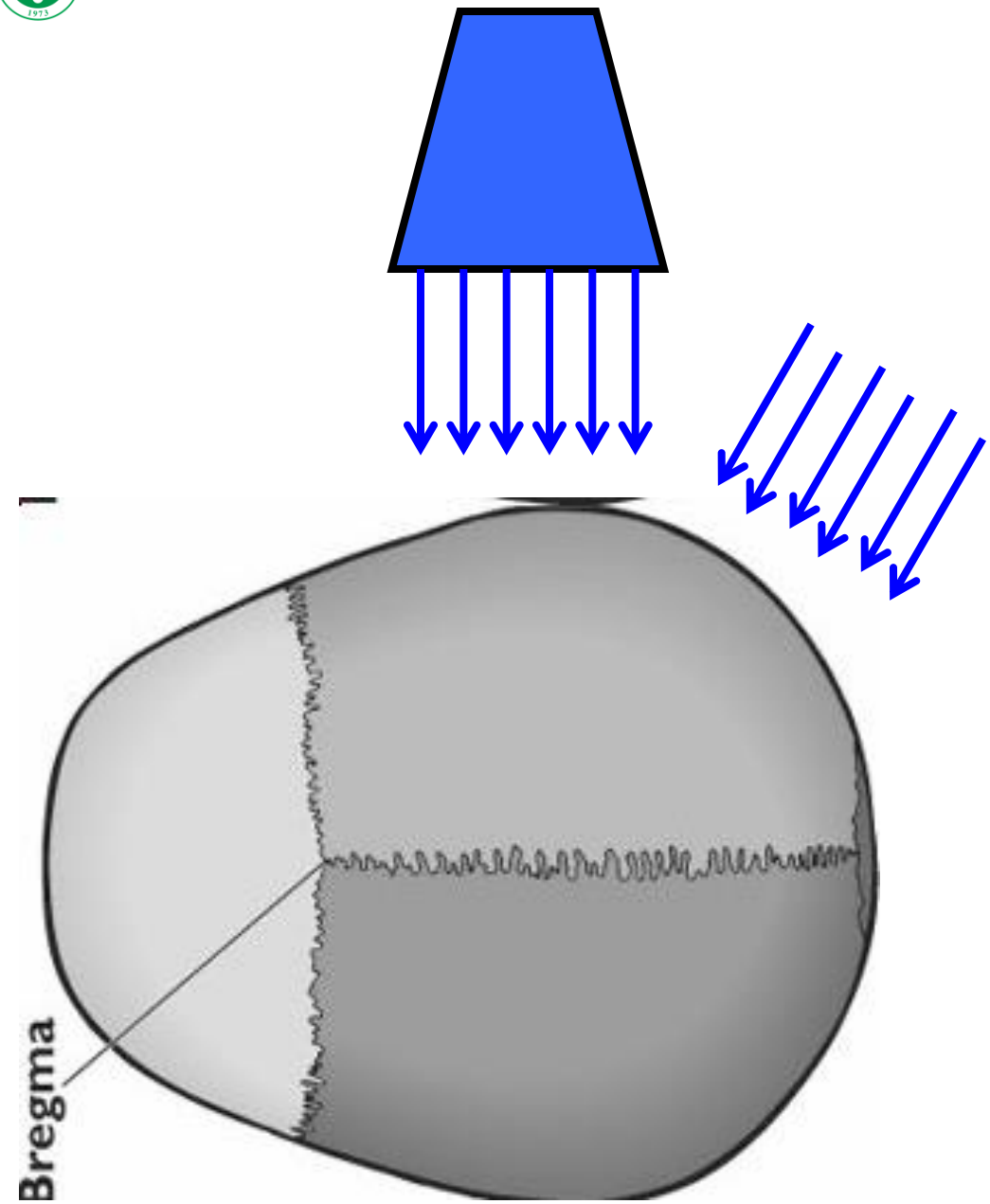


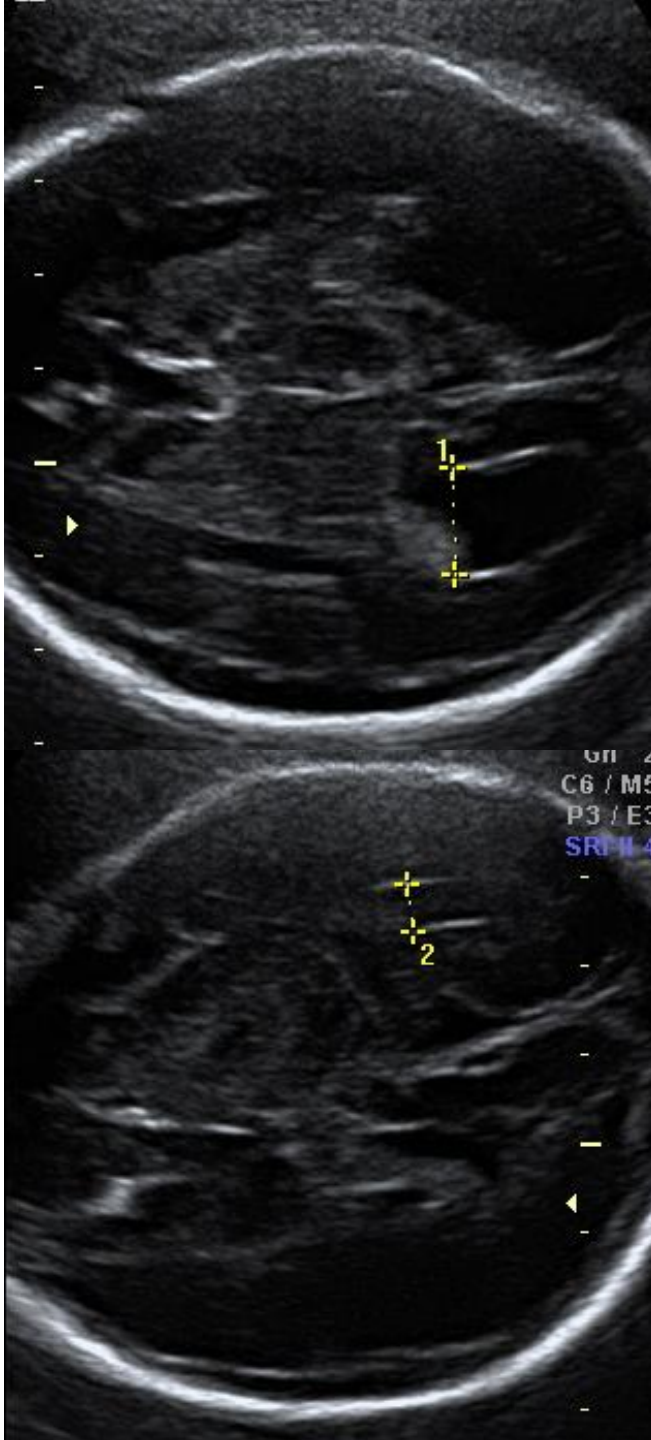
Transventriküler plan



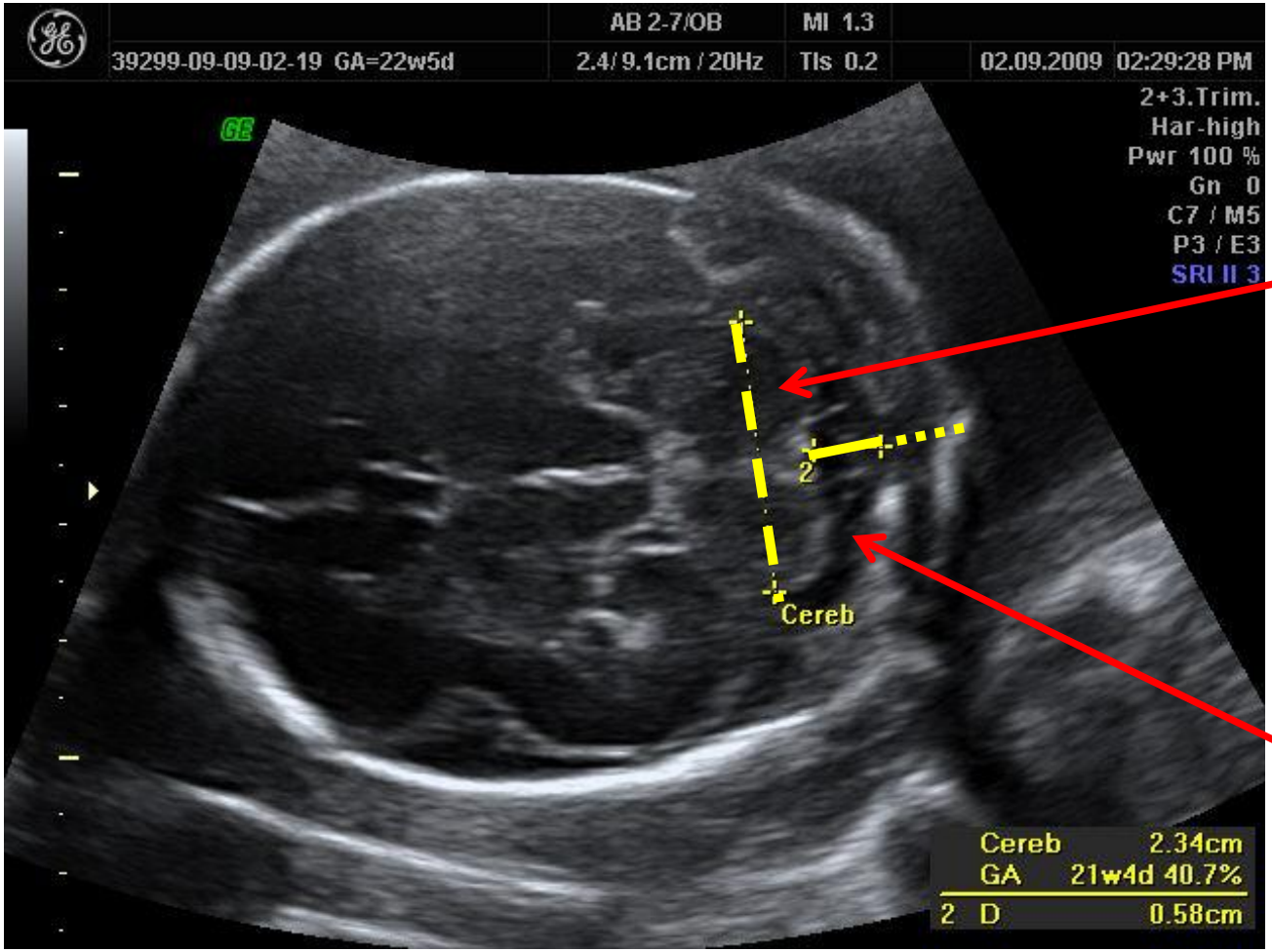
RAB 2-5L/OB
MI 1.1
39299-09-09-10-21 GA=17w4d
3.2/ 8.4cm / 40Hz
TIs 0.3
10.09.2009 05:19:42 PM
2+3.Trim.
Har-high
Pwr 100
Gn 3
C6 / M5
P3 / E3
SRI II 4
1 D 0.59cm


Bregma
temporal
line
Superior
Pterion
35mm
22mm
Asterion
Zygomatic bone
Zygomatic arch
nuchal
line
Maxilla
Mandible


Bregma


1
2
C6 / M5
P3 / E3

Transserebellar plan

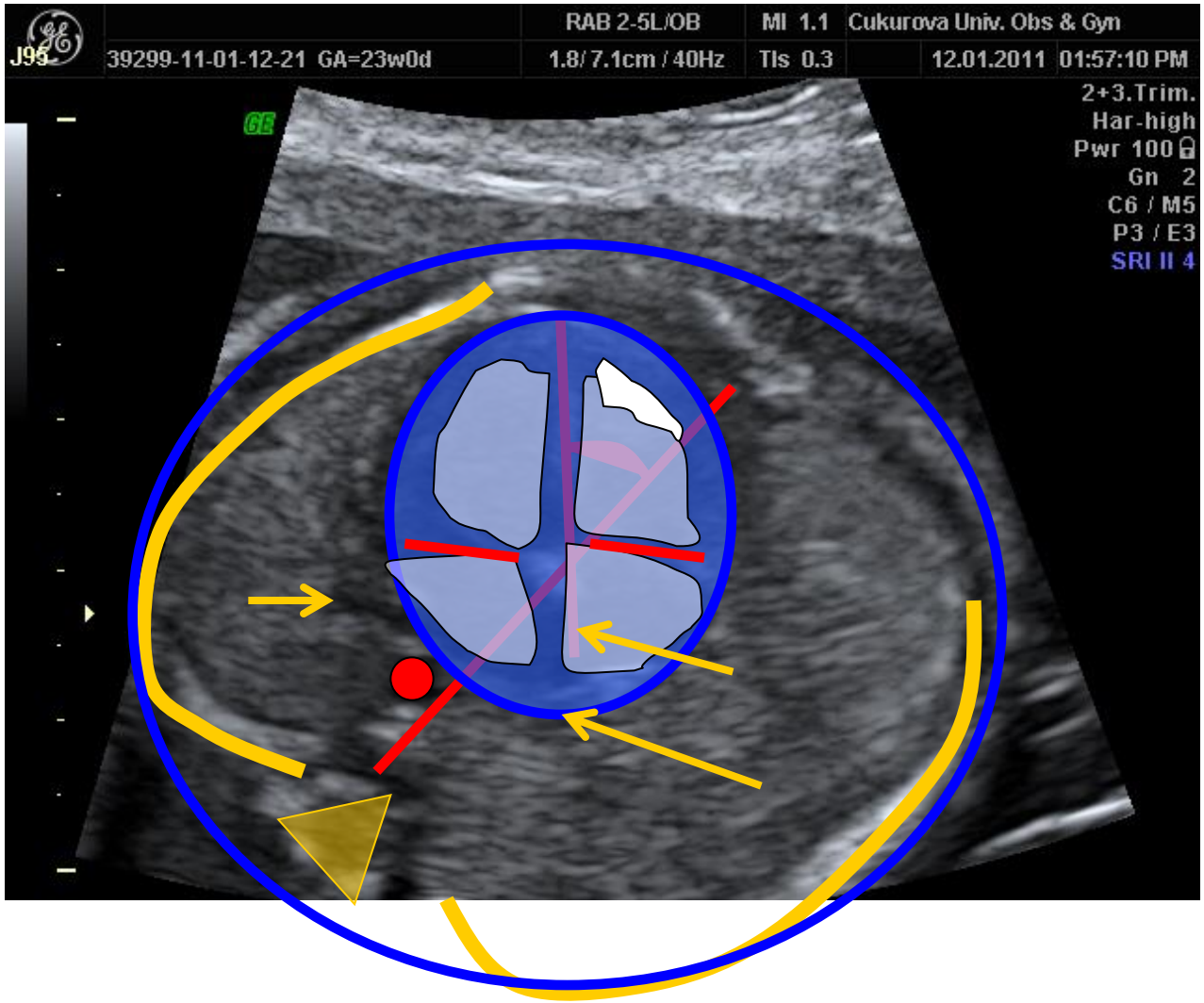


Serebellum

Sisterna magna

2. ve SON ÜÇAY

Toraks



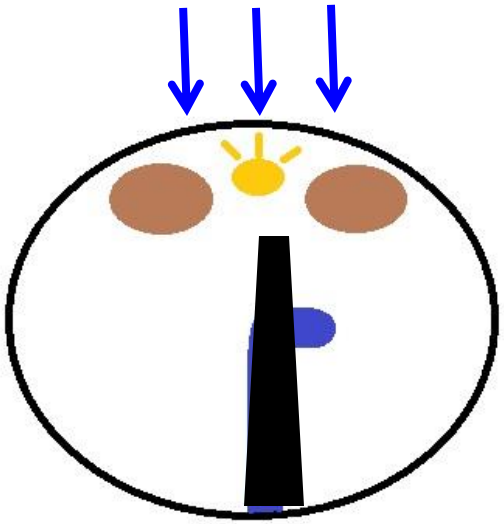
45 ± 20°

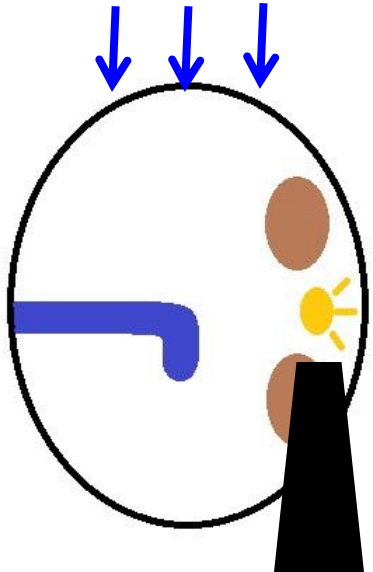
Alan: 1/3

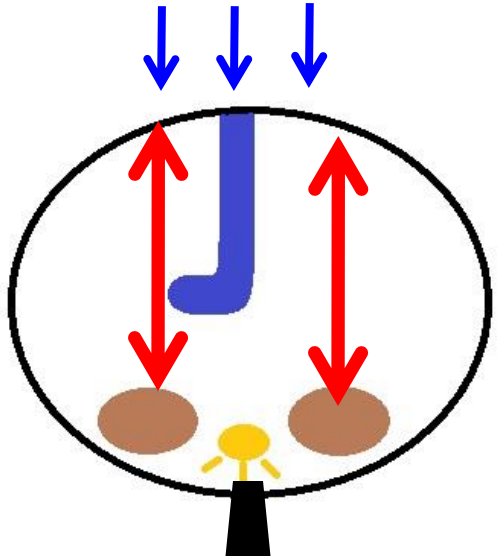
Çevre: 1/2

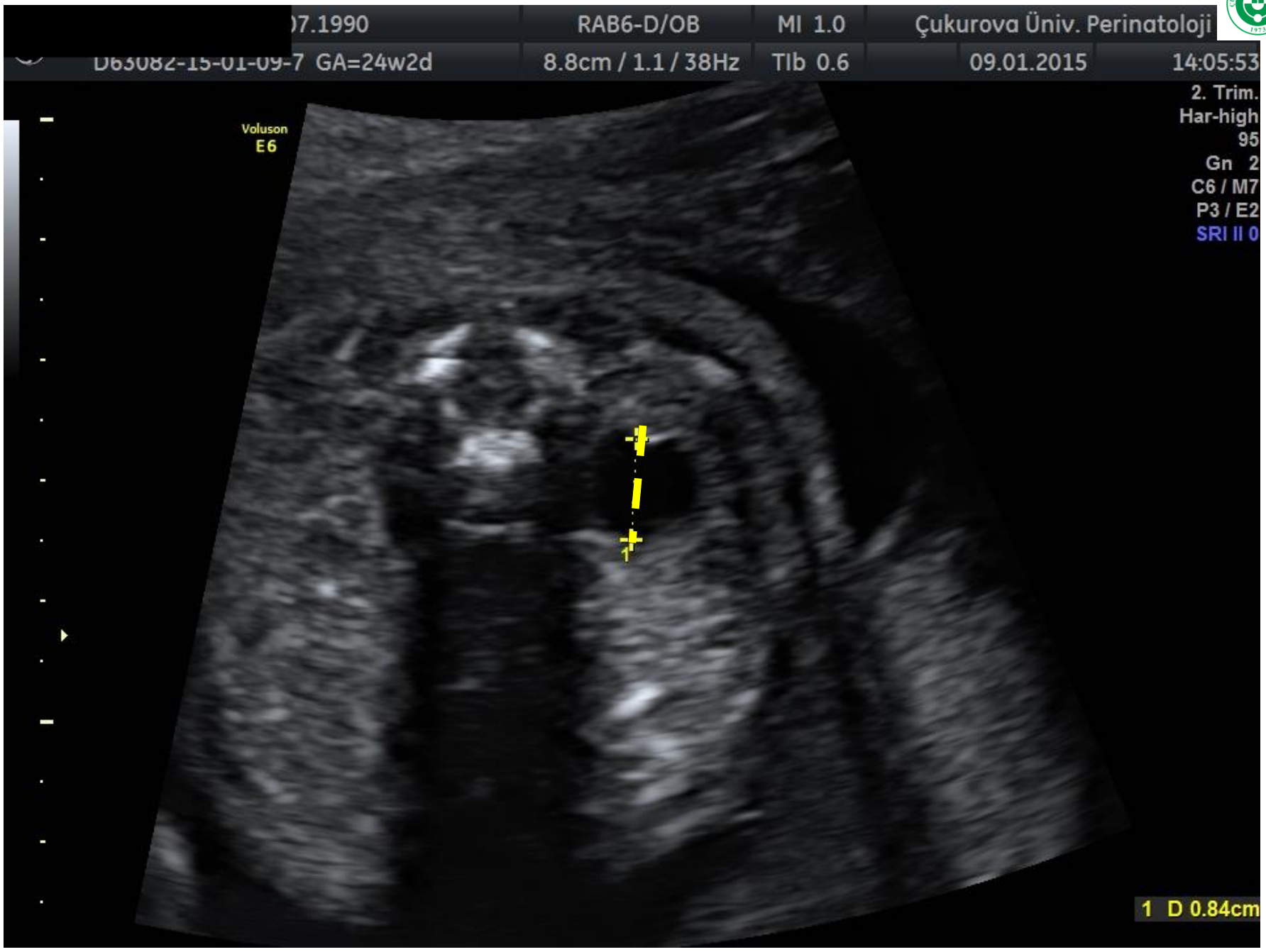
2. ve SON ÜÇAY

Batın



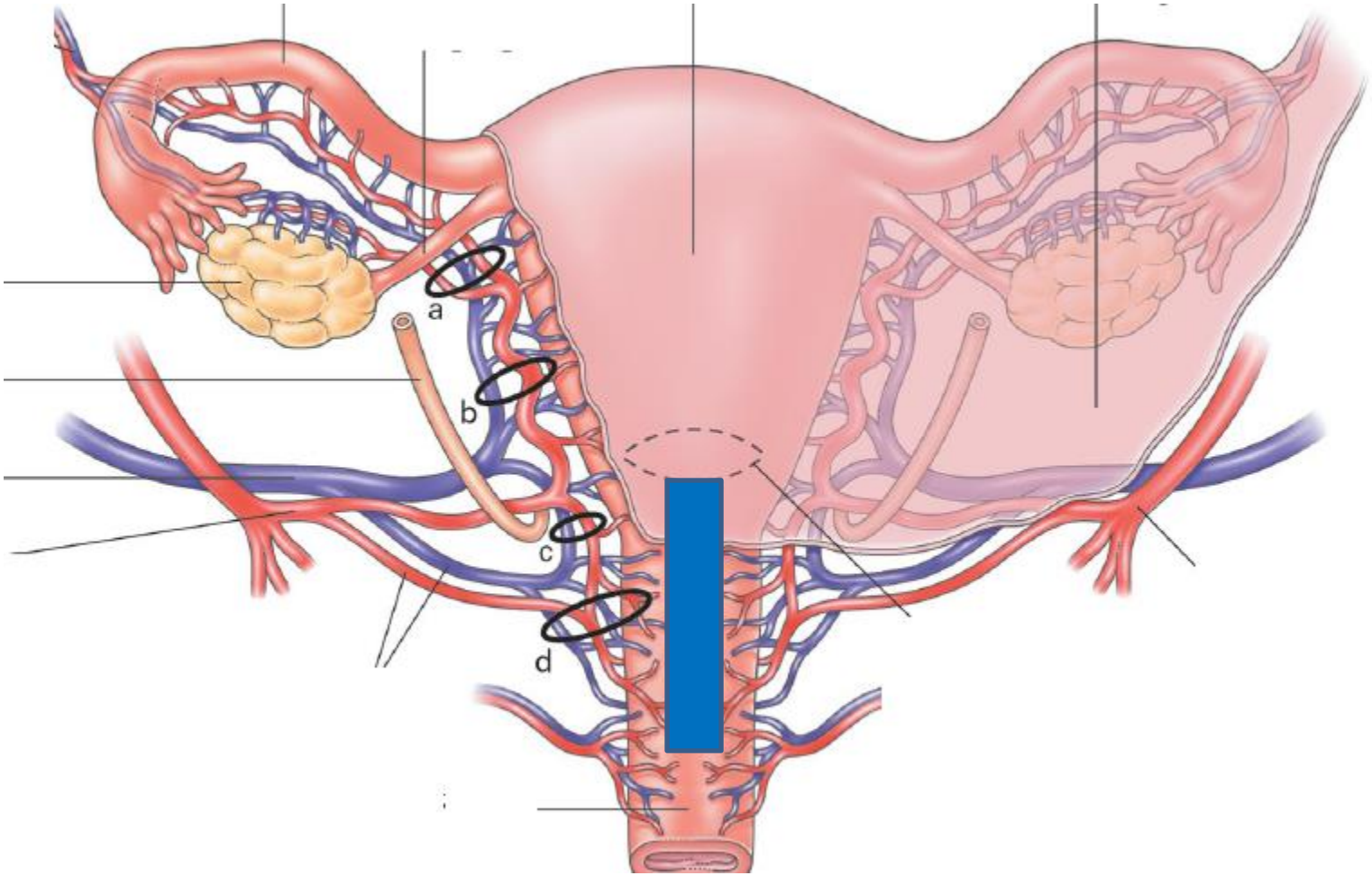


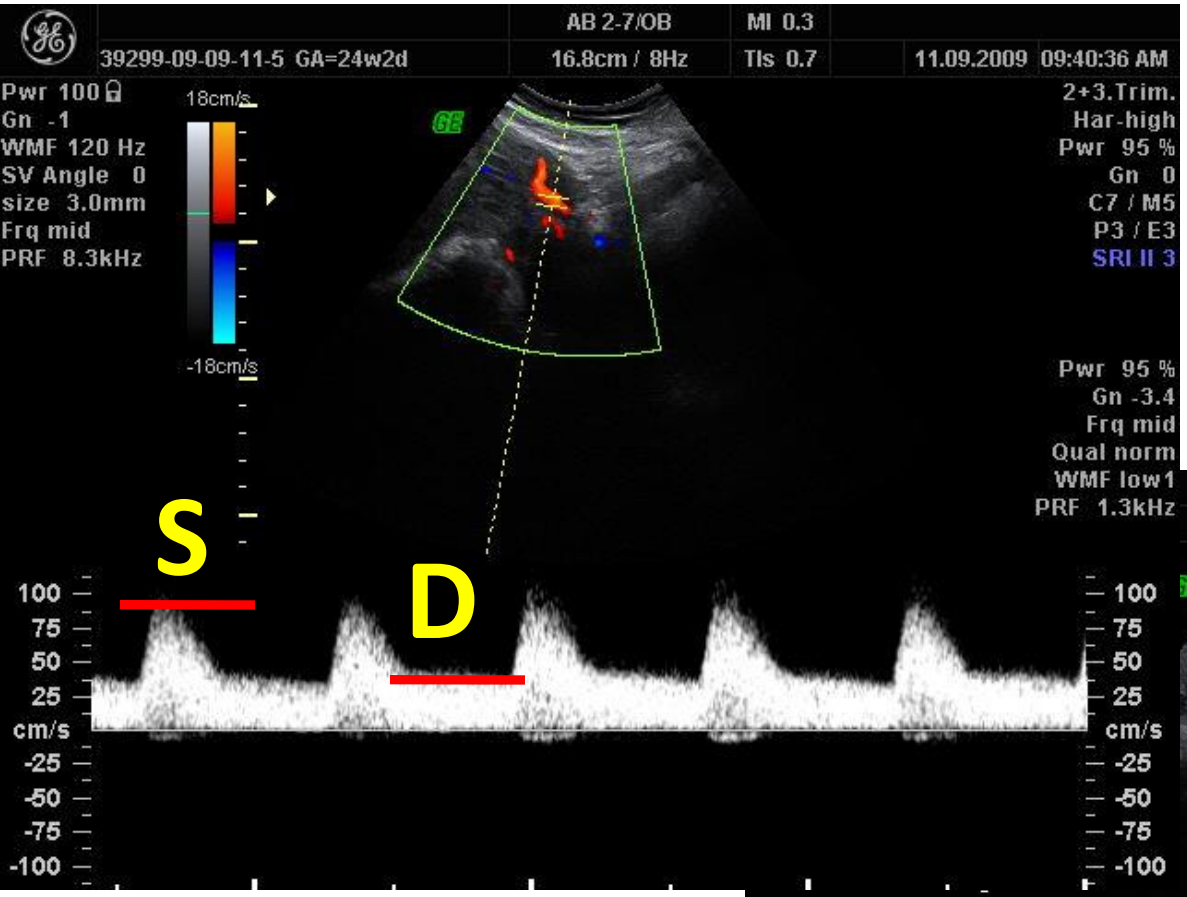


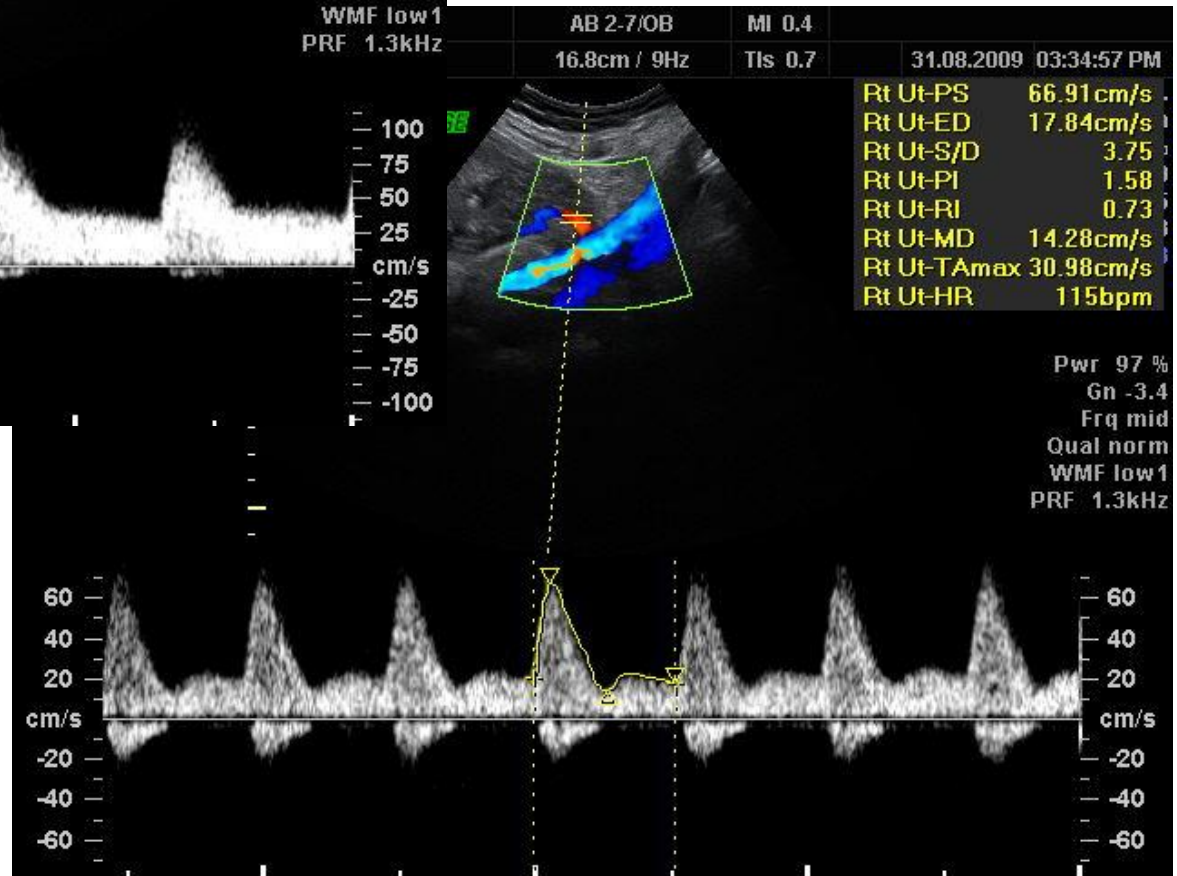

07.1990
RAB6-D/OB
MI 1.0
Çukurova Üniv. Perinatoloji
D63082-15-01-09-7 GA=24w2d
8.8cm / 1.1 / 38Hz
TIb 0.6
09.01.2015
14:05:53
Voluson
E6
2. Trim.
Har-high
95
Gn 2
C6 / M7
P3 / E2
SRI II 0
1 D 0.84cm

Doppler

A. uterina

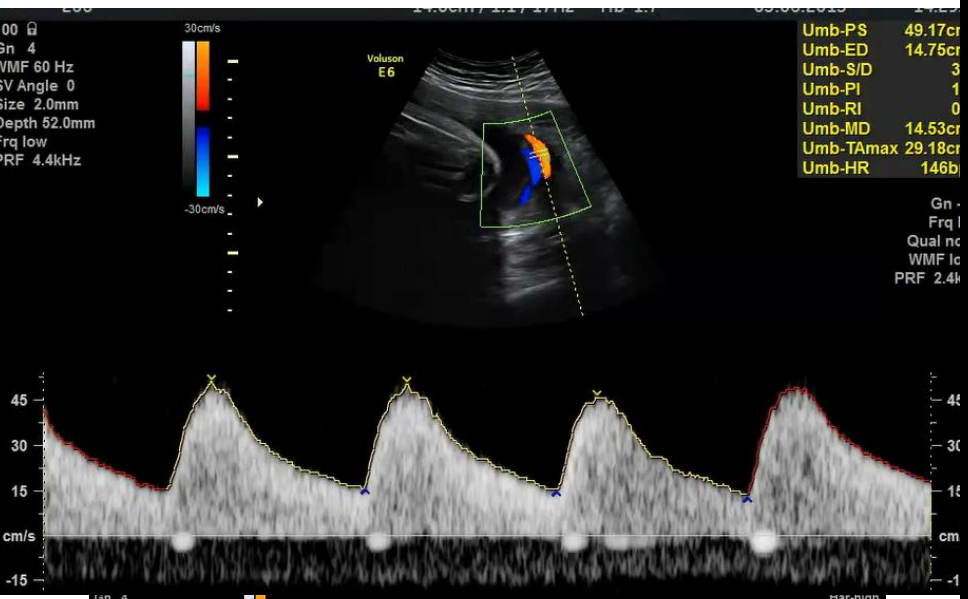


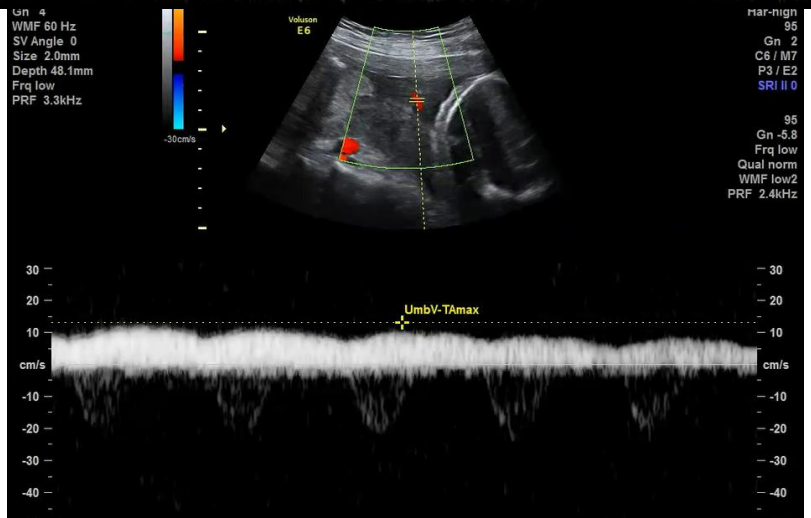


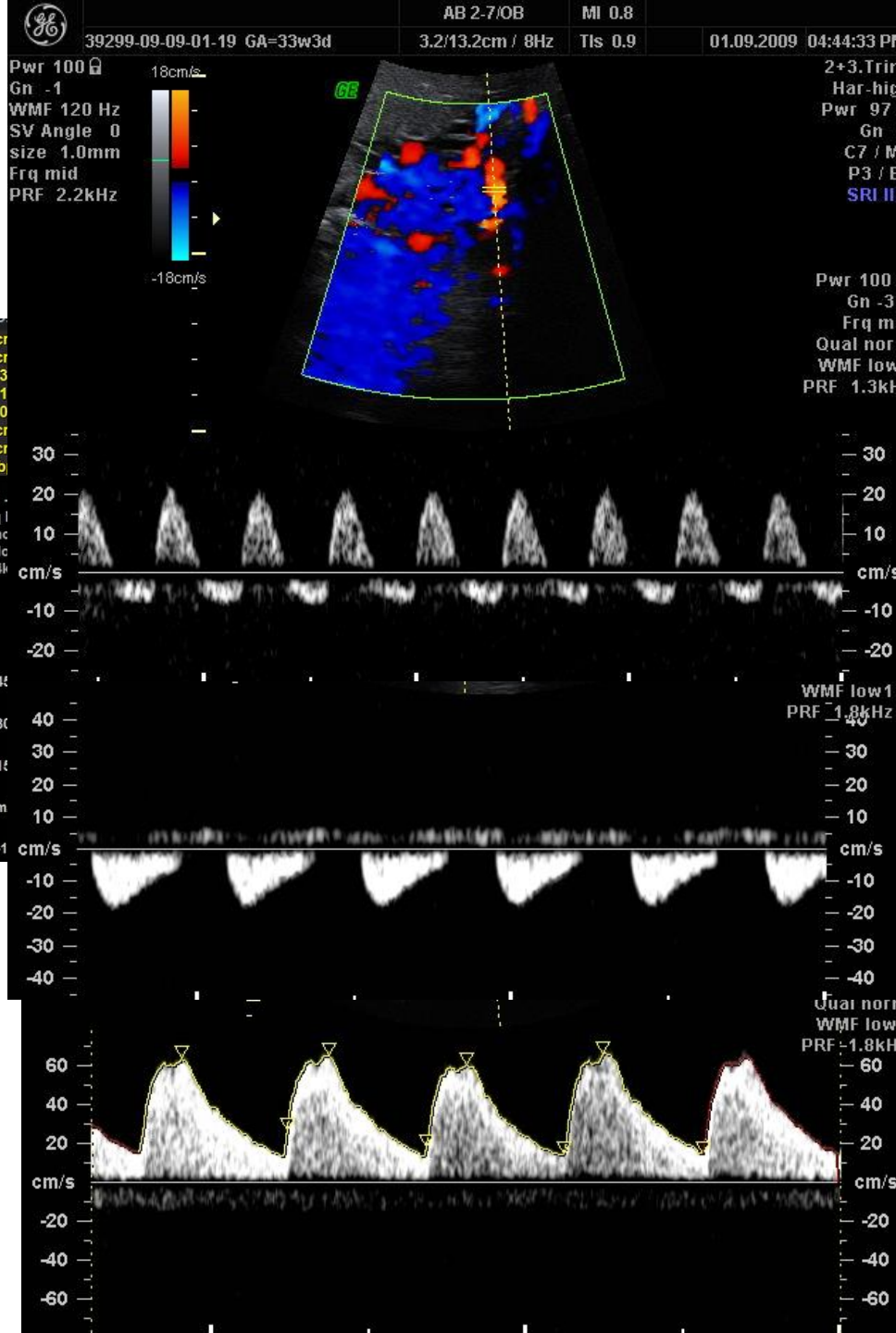


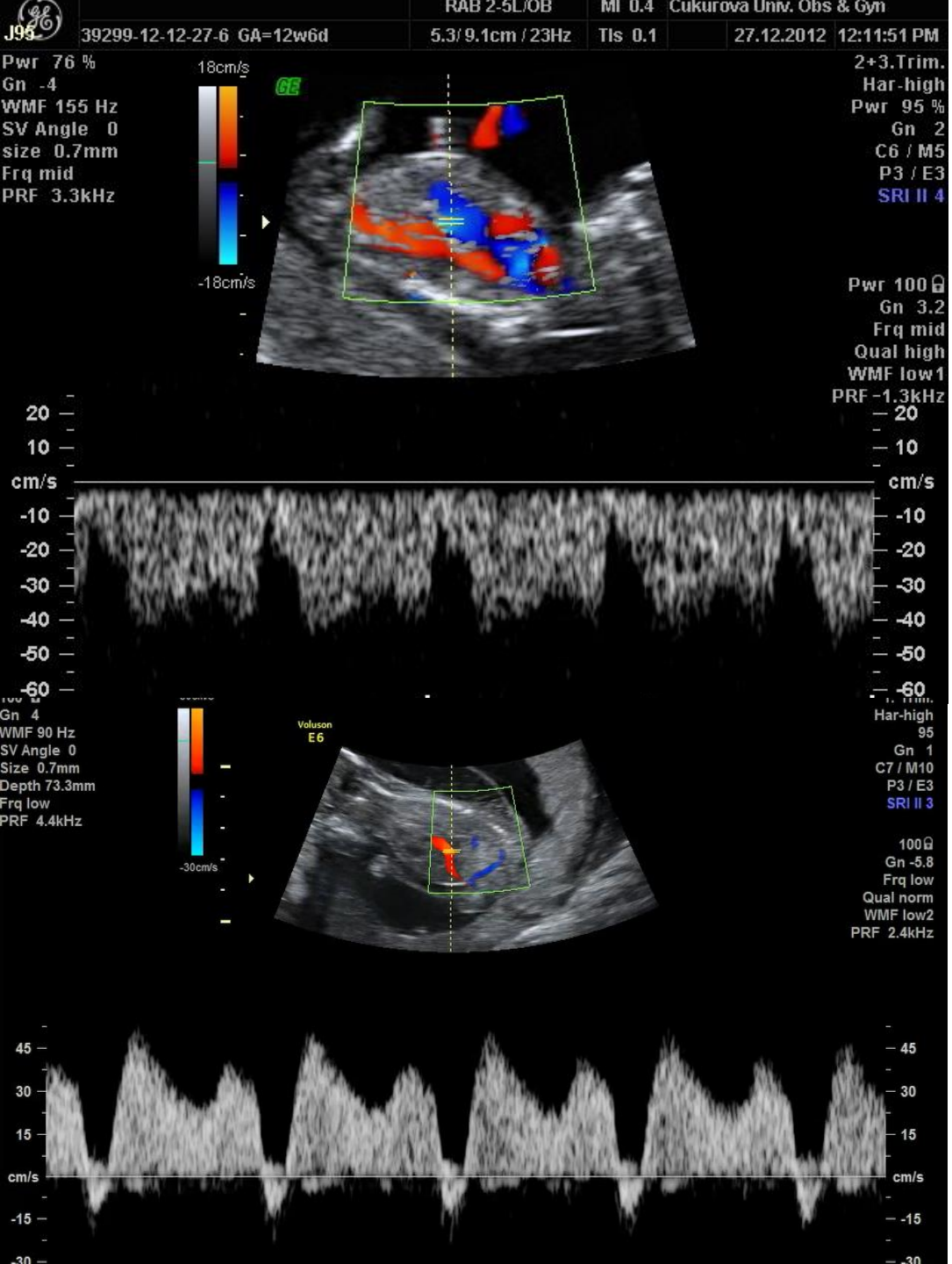
- RI: S-D/S
- PI: (S-D)/(S+D/2)

A. umbilikalis



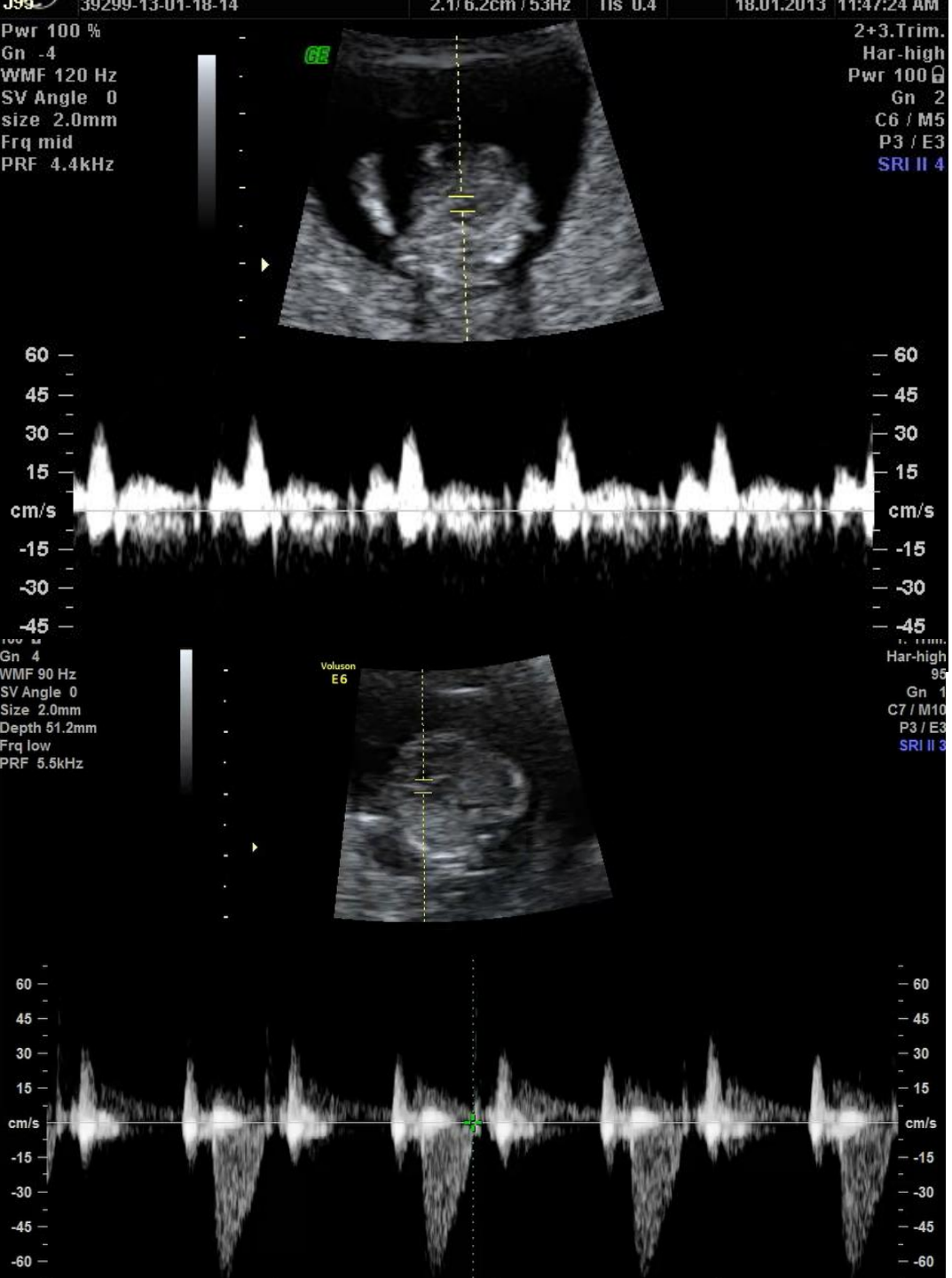






Duktus venosus

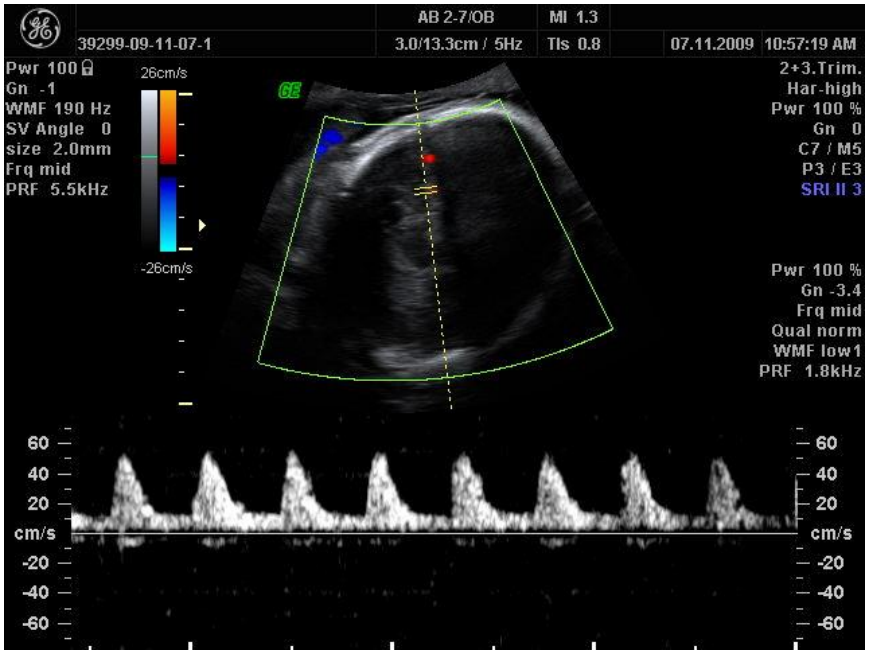
- Bebek hareketsiz olmalıdır
- Bebeğin gövdesi ekranı kaplamalıdır
- V. umbilikalis, duktus venozus, kalp bir arada, sajital planda izlenmelidir.
- Açı < 30°, Doppler kapısı 0,5-1 mm
- Filtre düşük frekansa ayarlanmalıdır (50-70 Hz)
- Ekranda 4-5 kalp siklusu olmalıdır (2-3 cm/sn)

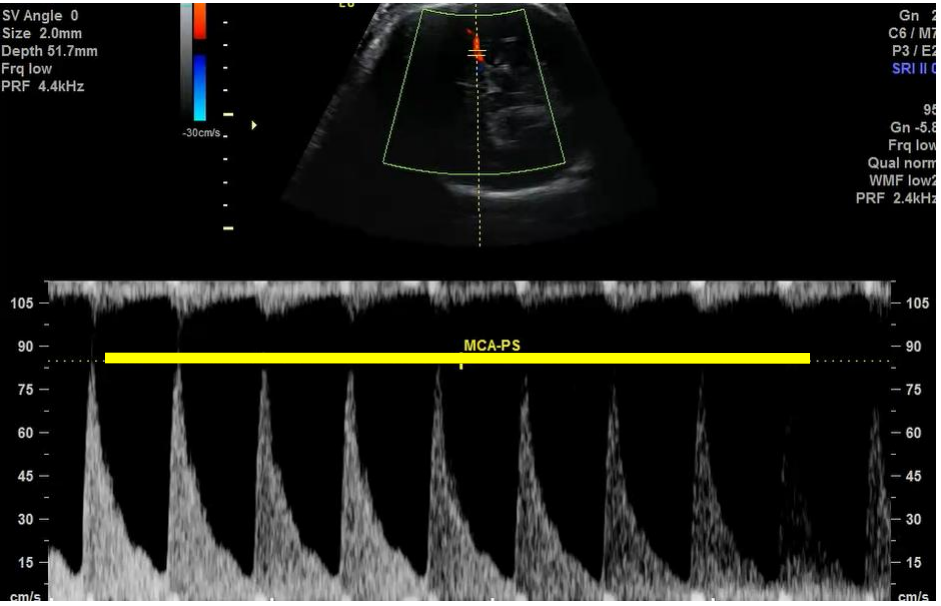


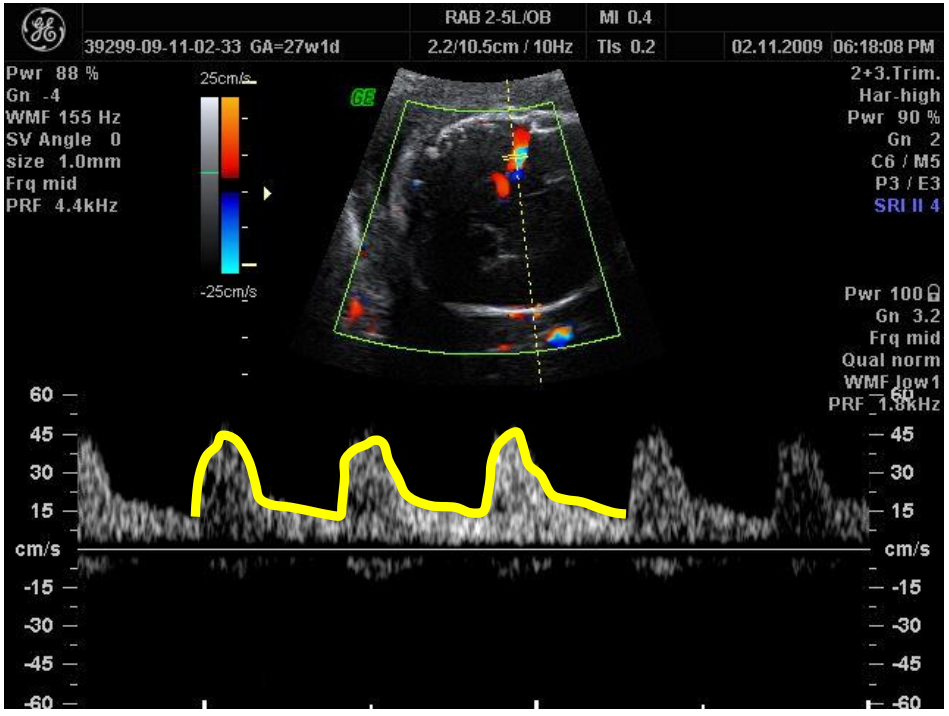
Triküspid kapak

- Göğüs kafesi ekranı doldurmalı
- Apikal 4 oda görüntüsü
- Doppler kapısı 2-3 mm ve açı < °30
- Ekranda 4-5 kalp siklusu olmalıdır (2-3 cm/sn)
- Sistolde > 60 cm/sn'lik akım

A. cerebri media







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