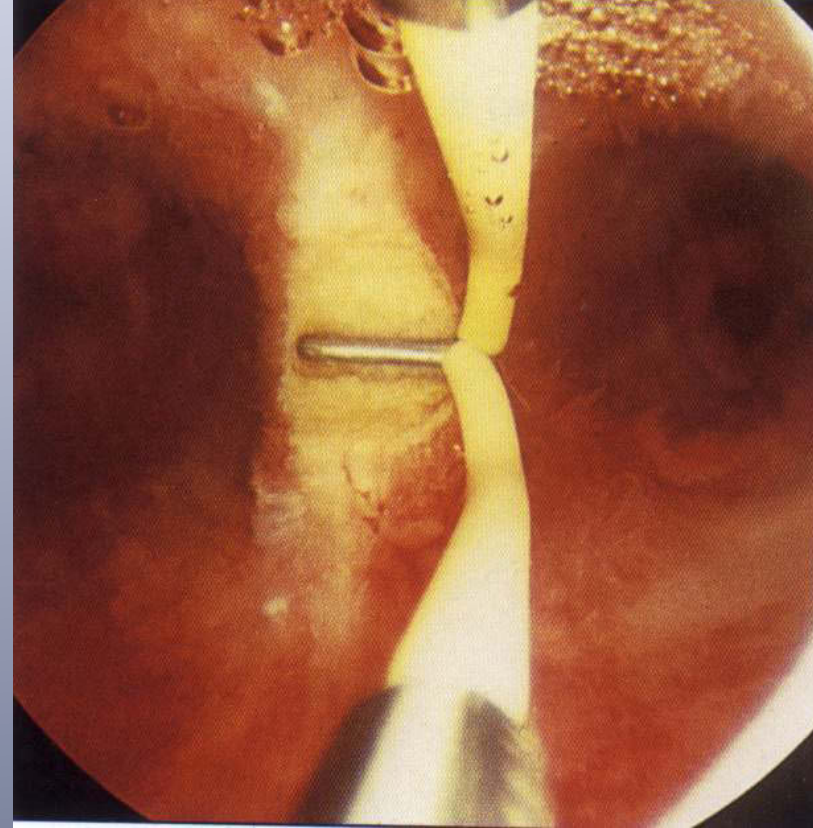


Je li resekcija septuma opravdana?



R Bauman

X HRVATSKI KONGRES O GINEKOLOŠKOJ
ENDOKRINOLOGIJI, HUMANOJ REPRODUKCIJI I
MENOPAUI

11.09.2015.

- Epidemiologija
- Dijagnostika
- Učinak histeroskopske metroplastike
- Zaključak (resekcija septuma je opravdana, ali...)

UTERINE ANOMALIJE - epidemiologija

Jurković D i sur., 1997. Br J
Obstet Gynecol

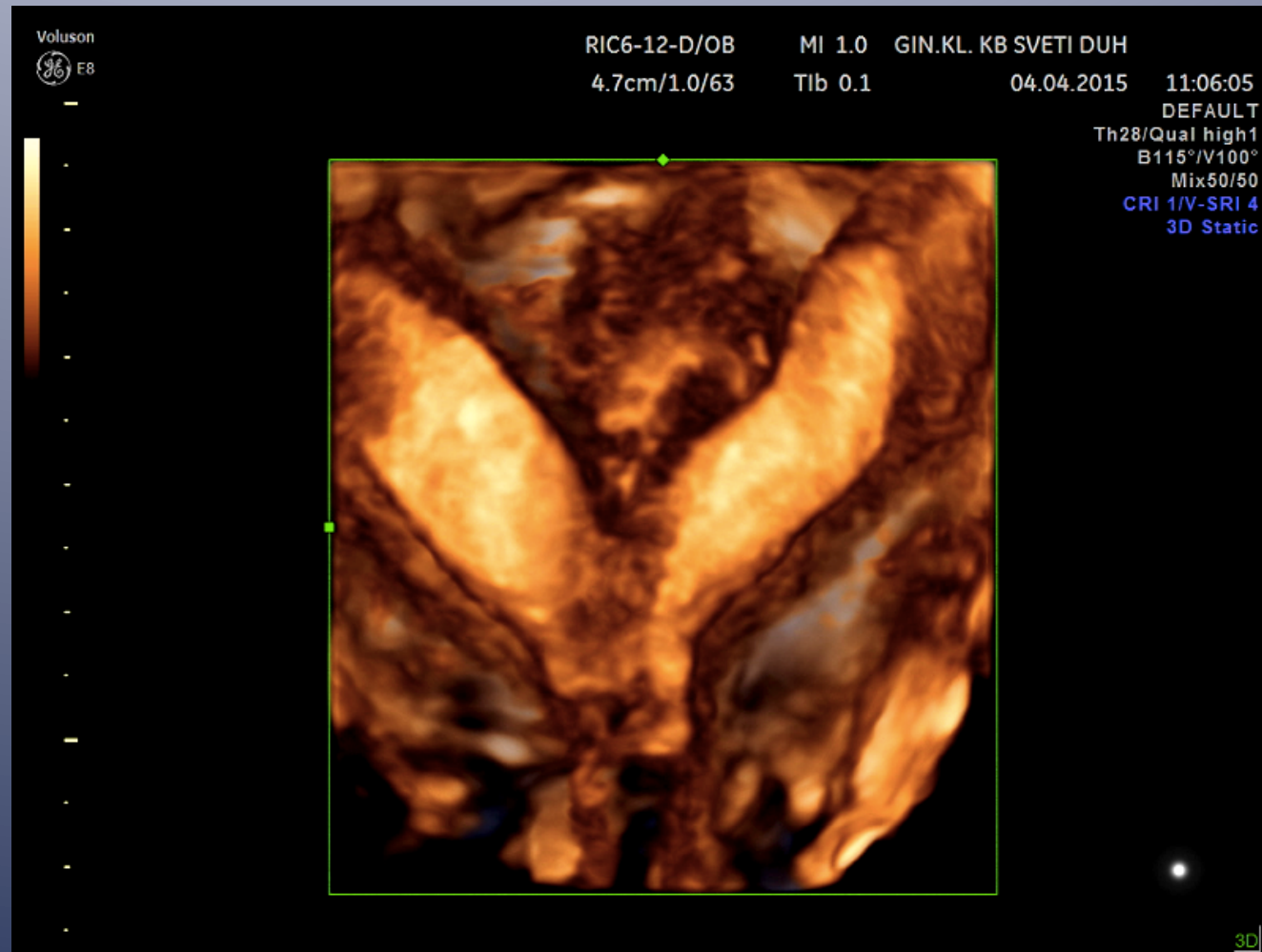
- Prospektivno istraživanje 1046 žena neopterećene reproduksijske anamneze
- 3D UZV
- 5,4% u općoj populaciji; uključujući arkuatus (3,1%) dok su u 2,3% veće anomalije

Chan YY i sur.; 2011. Hum
Reprod Update

- 94 istraživanja
- 89 861 ispitanica
- 5.5% u općoj populaciji
- 8.0% u neplodnih ispitanica
- 13.3% s anamnezom pobačaja
- 24.5% s anamnezom pobačaja i neplodnošću
- Arkuatni uterus najčešći u općoj populaciji 3.9% - incidencija nije povišena u visokorizičnim grupama
- Septirani uterus najčešći u visokorizičnim skupinama

Dijagnostika anomalija uterusa

- 2D UZV + CD + SIS
- 3D UZV !!
- MR



2D (TVS): probir

OB SVETI DUH GINEKOLOGIJA
* 29_09_2006_11_11_15

13:57:47

29/09/06

SIEMENS

EV9.4



Early OB

MI: 0.8

30 dB

6.7 MHz

DR 65 dB

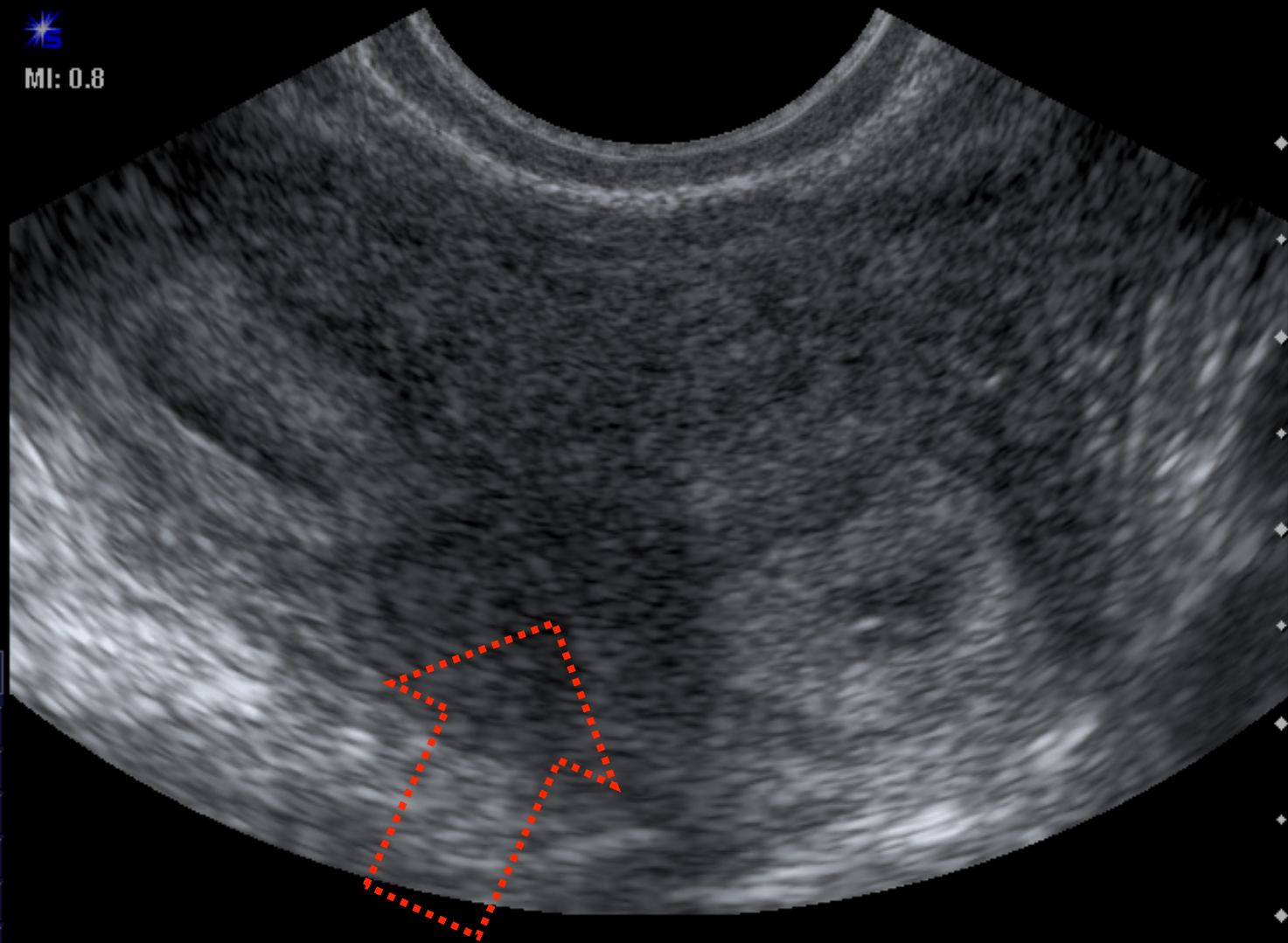
Persist 2

Edge 1

R/S 3

Map D

Tint 1



2D mode

P 100%

U/D Flip U

L/R Flip L

Sector Off

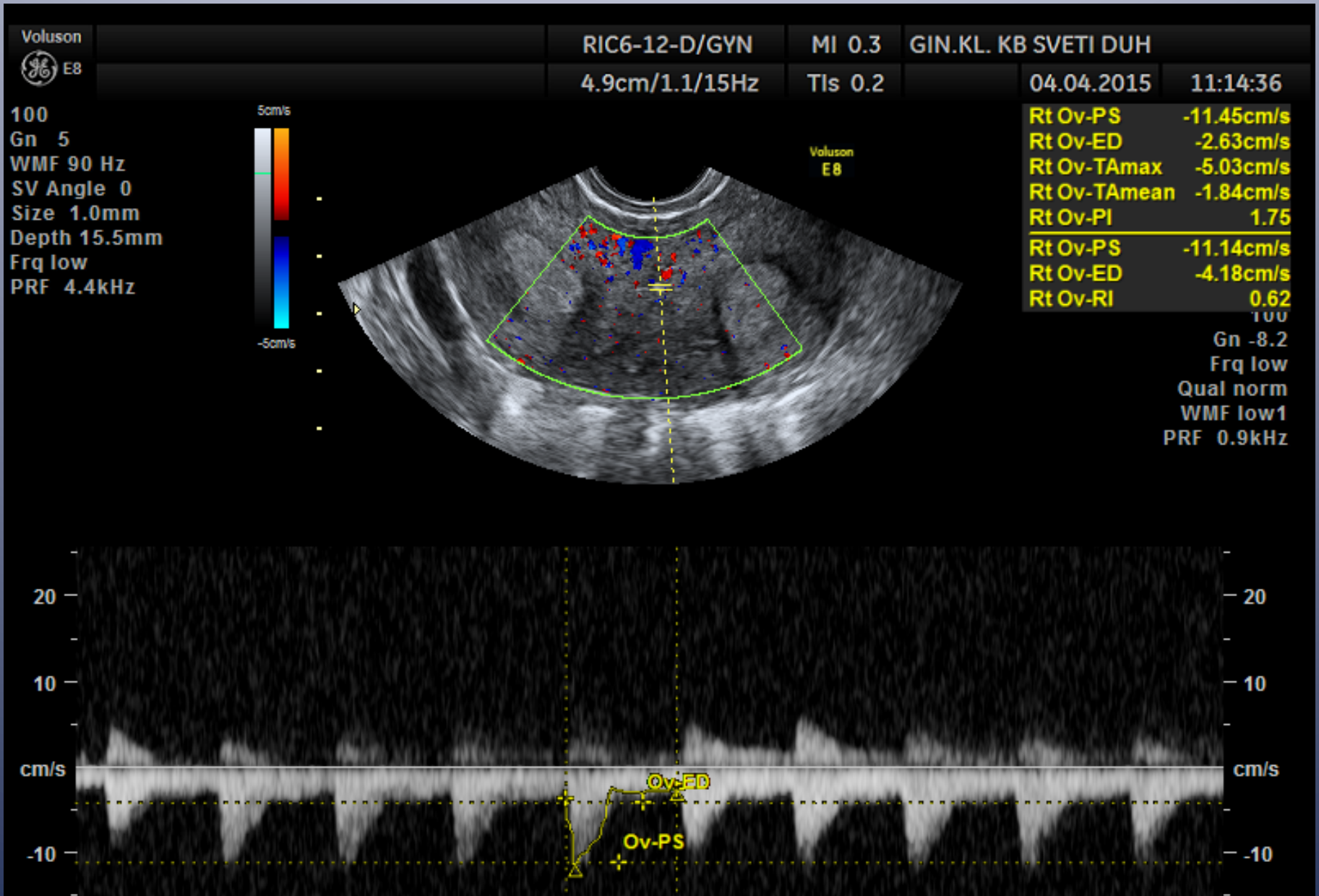
Split Off

4B

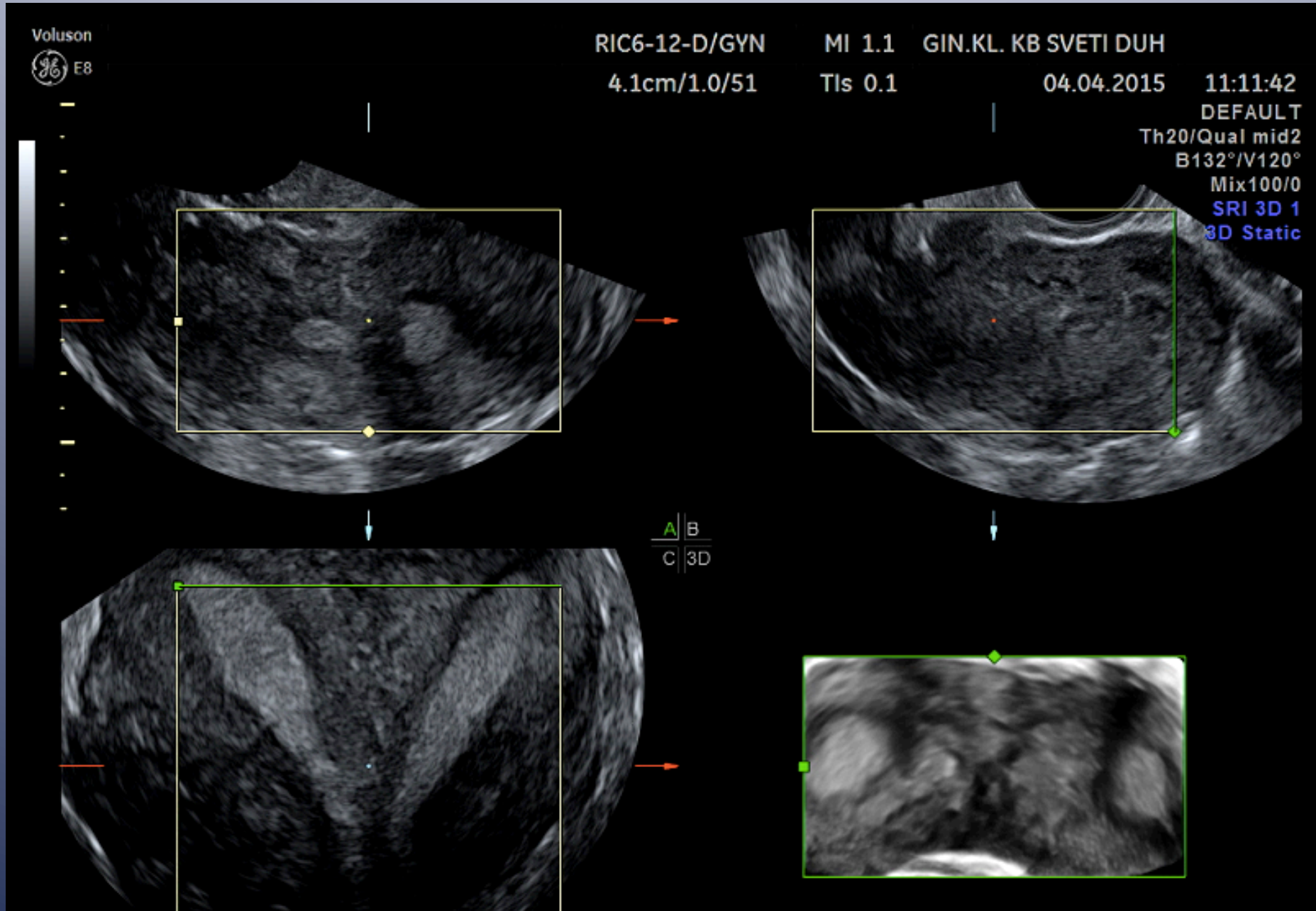
4cm
46fps

1 E-274

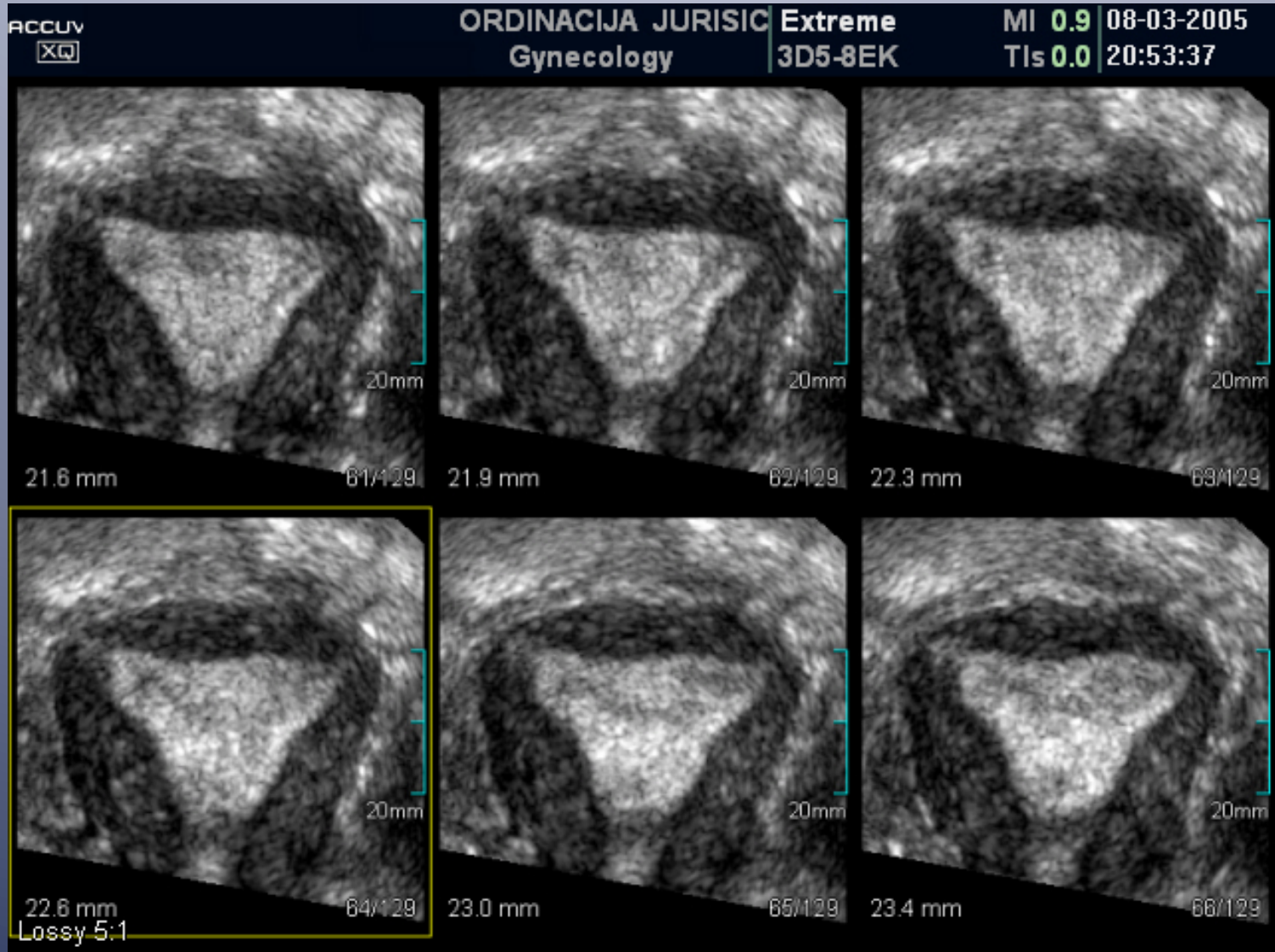
2D/CD: probir



3D: dijagnoza



Normal uterus 3D



Utjecaj septuma na reprodukciju

- Chan YY, 2011. Ultrasound Obstet Gynecol
- Reproductive outcomes in women with congenital uterine anomalies: a systematic review – 9 istraživanja; ukupno 3805 ispitanica
- Septus (i subseptus) **manje** kliničkih trudnoća, **više** pobačaja u 1 trimestru, prijevremenih poroda i fetalne malprezentacije
- Bikornis, Duplex, Unicornis – **više** prijevremenih poroda i fetalne malprezentacije
- Arkuatus – **više** pobačaja u 2. trimestru i fetalne malprezentacije

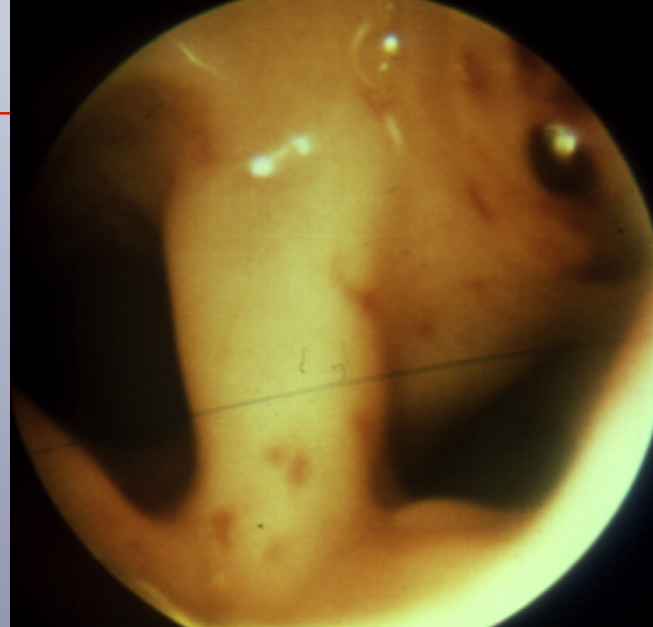
Simptomatologija nije povezana s veličinom septuma

- Kupešić S, 1998.
- Skenderović S, 2004.
- Tomažević T, 2007.; 2010.
- Gergolet M, 2012.

- Utjecaj septuma? Endometrij?

Histeroskopska metroplastika pospješuje reprodukcijski ishod

Stopa terminskih nakon histeroskopske
metroplastike 52 - 88,7%



Goldenberg M, 1995.

Tomažević T, 2002.; 2003.;
2007.

Mollo A, 2009.

Nouri K, 2010.

Gergolet M, 2012.

Valle et al, 2013.

Madeira Fernandes et al, 2015.

- Kupešić S, 1997.
- Skenderović S, 2004.
- Zlopaša G, 2007.

Ipak,
Kowalik i sur 2011.
Cochrane database of systematic
reviews:

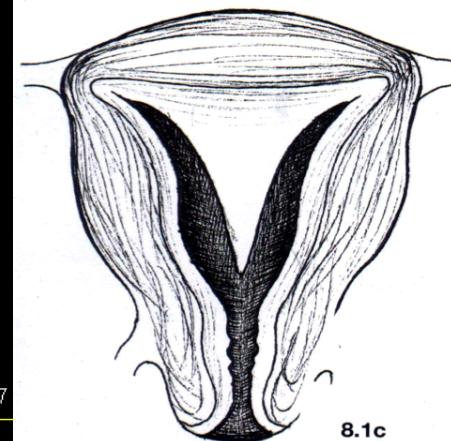
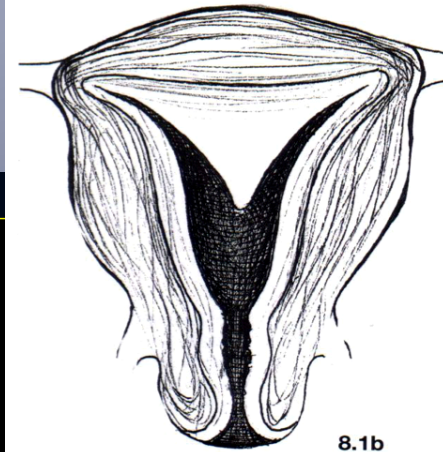
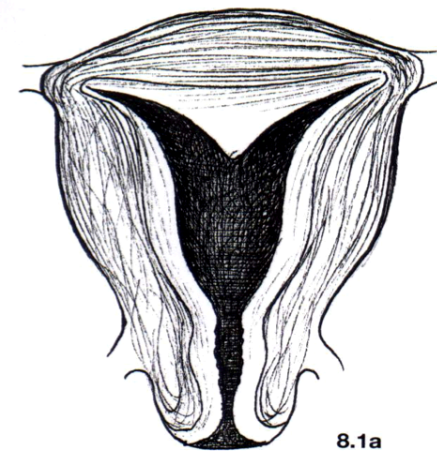
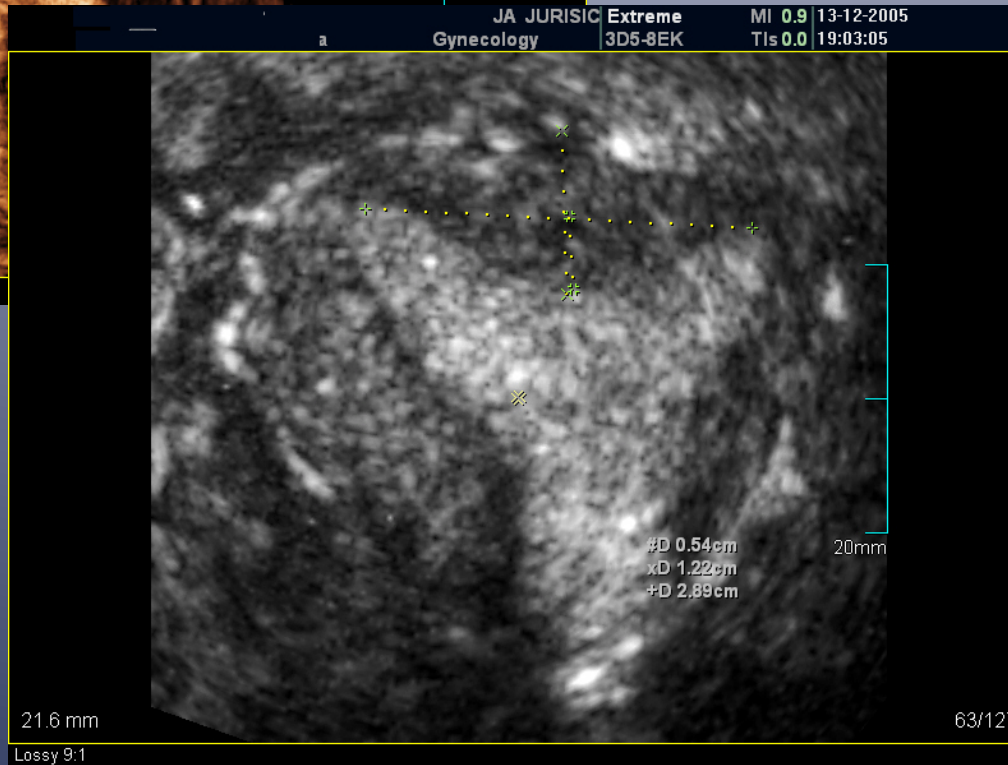
- “Until now, the effectiveness and possible complications of hysteroscopic metroplasty **HAVE NEVER BEEN** considered in a randomized controlled trial” !!!

Zaključak

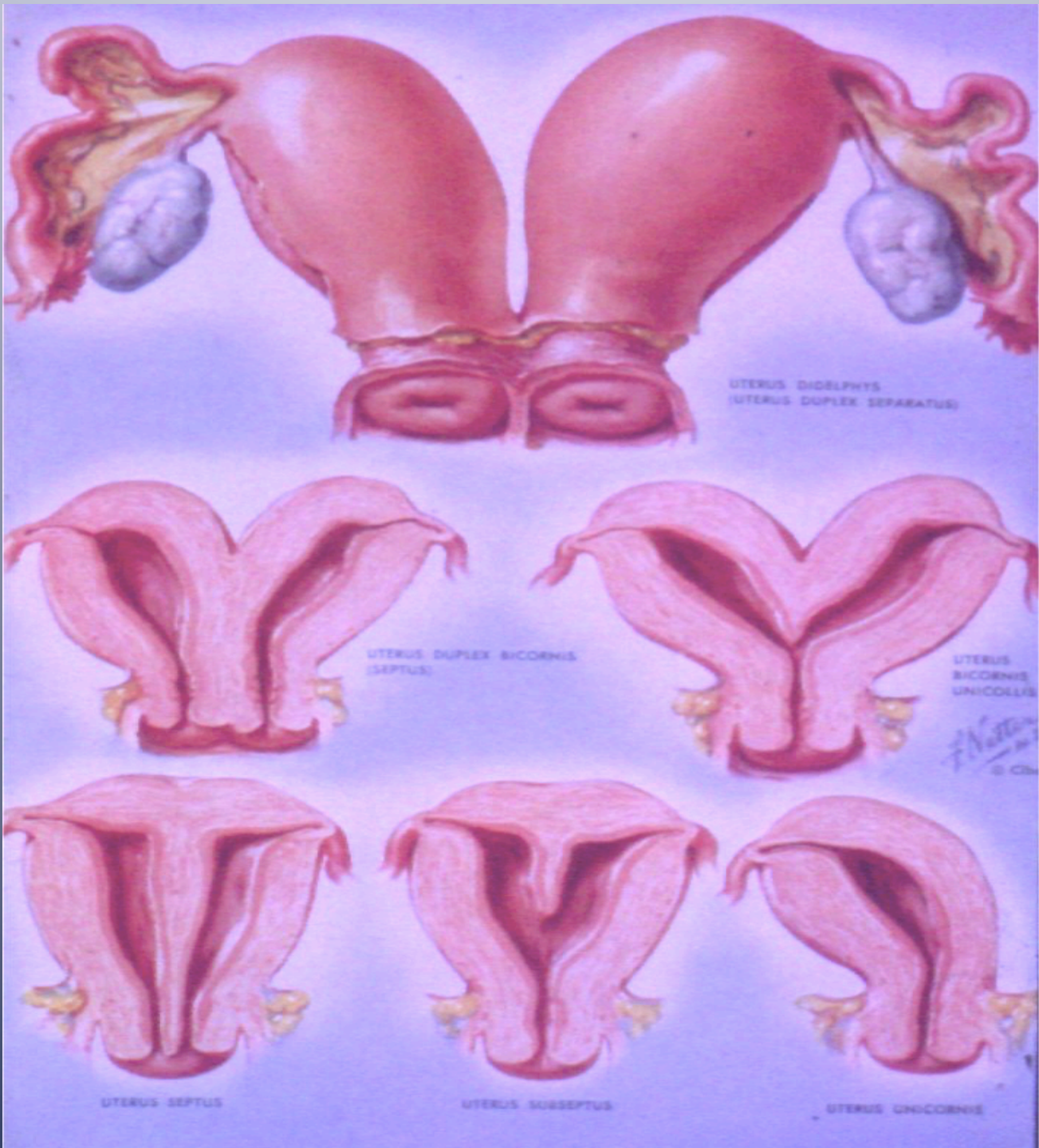
Resekcija septuma je opravdana u žena koje žele trudnoću i:

- imaju anamnezu jednog ili više spontanih pobačaja
- neplodne su
- starije su od 35 godina
- planiraju postupak pomognute oplodnje
- planiraju laparoskopiju i/ili histeroskopiju iz drugih razloga

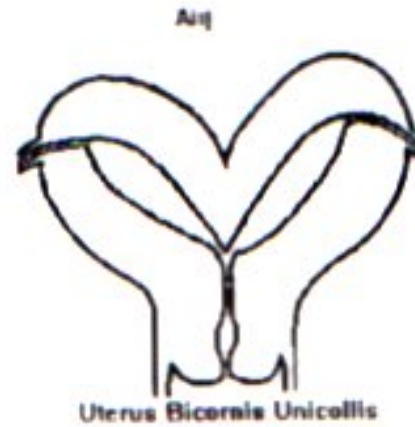
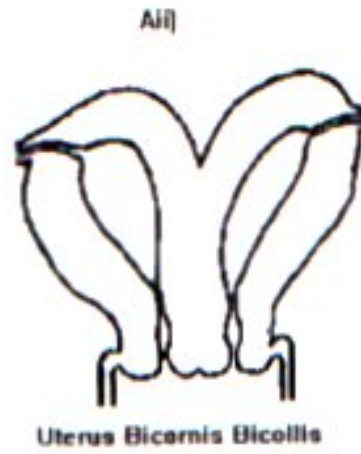
Što je septum u 21 stoljeću?



XX st.

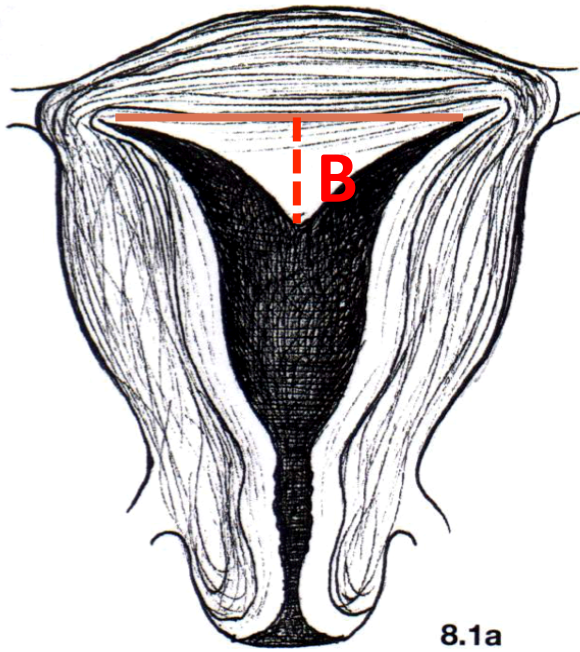


XX st.

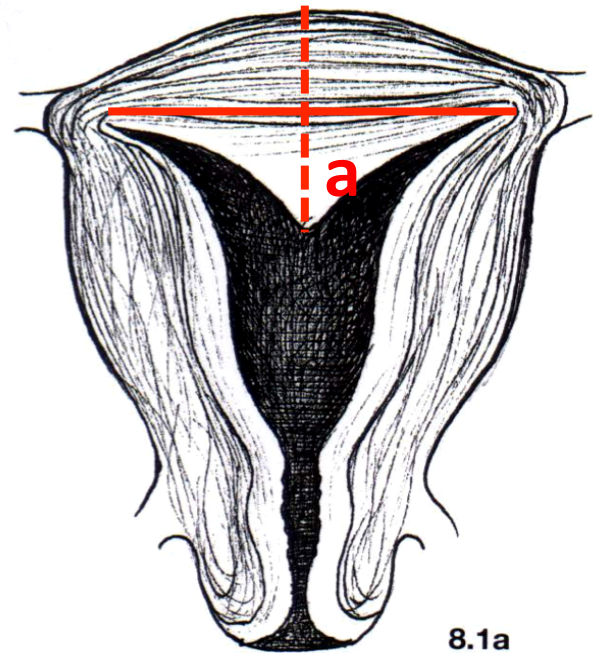


Dvije klasifikacije

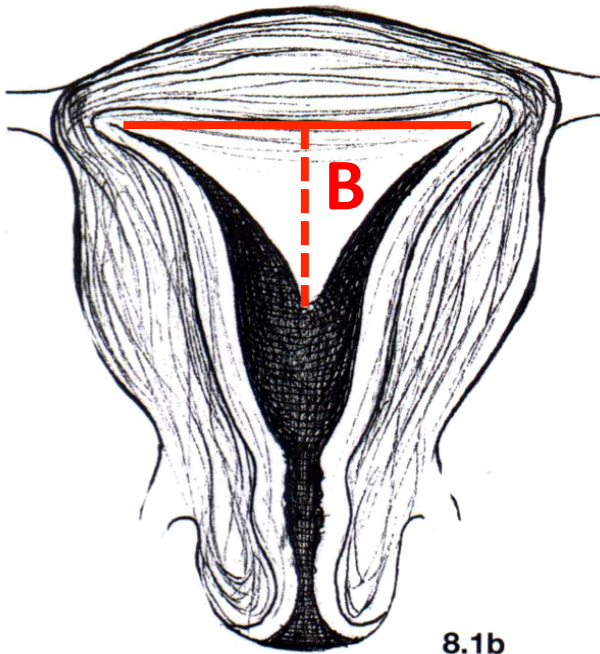
- AFS / ASRM 1988. Fertil
Steril
- < 1 cm uredan
- >1 i < 1,5 cm arkuatus
- > 1,5 cm septus
- ESHRE/ESGE 2013. Hum
Reprod
- Nema arkuatusa
- Odnos dubine uleknuća
u kavum u fundusu i
debljine miometrija:
ukoliko > 50% - septus



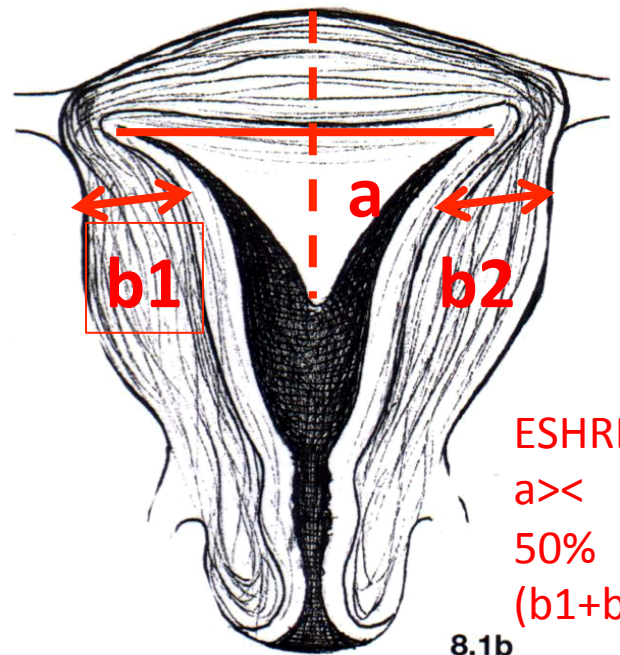
8.1a



8.1a



8.1b



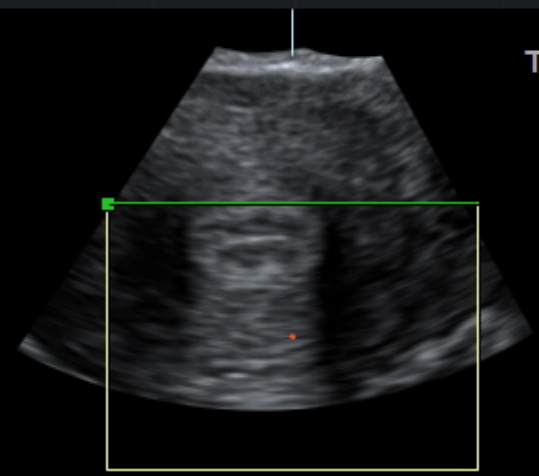
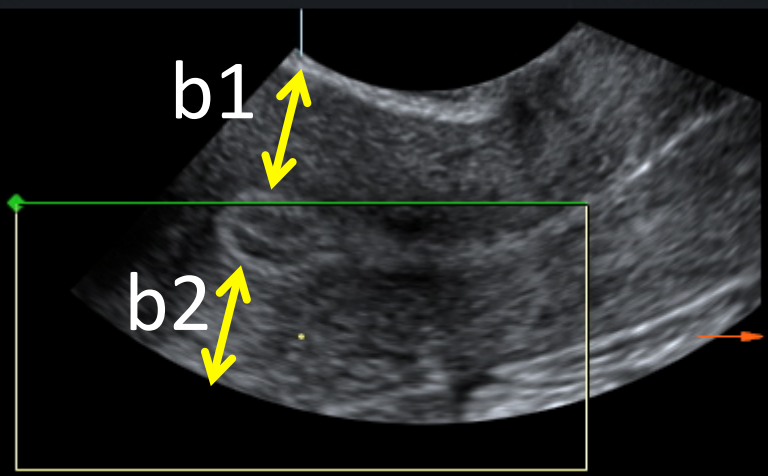
8.1b

ESHRE/ESGE:
 $a >> 50\%$
 $(b1+b2) : 2$

Arcuatus
 AFS/ASRM:
 $B > 1 \text{ cm}$

Septum
 AFS/ASRM:
 $B > 1,5 \text{ cm}$

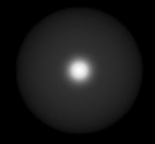
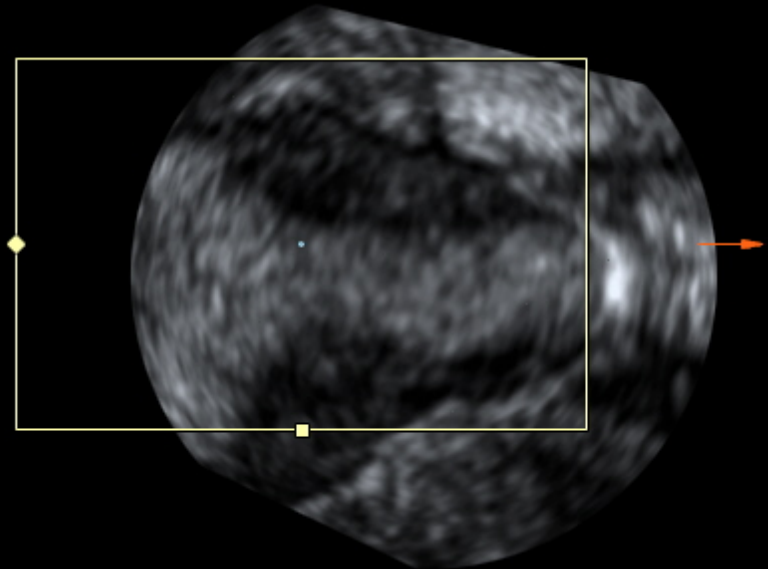
DEFAULT
 Th28/Qual high1
 B100°/V60°
 Mix50/50
 CRI 4/V-SRI 4
 3D Static



$$b = (b1 + b2) : 2$$

$\frac{A}{C} \left| \frac{B}{3D} \right.$

$a > 50\% b = \text{septum}$



Uterus arcuatus (?) 3D

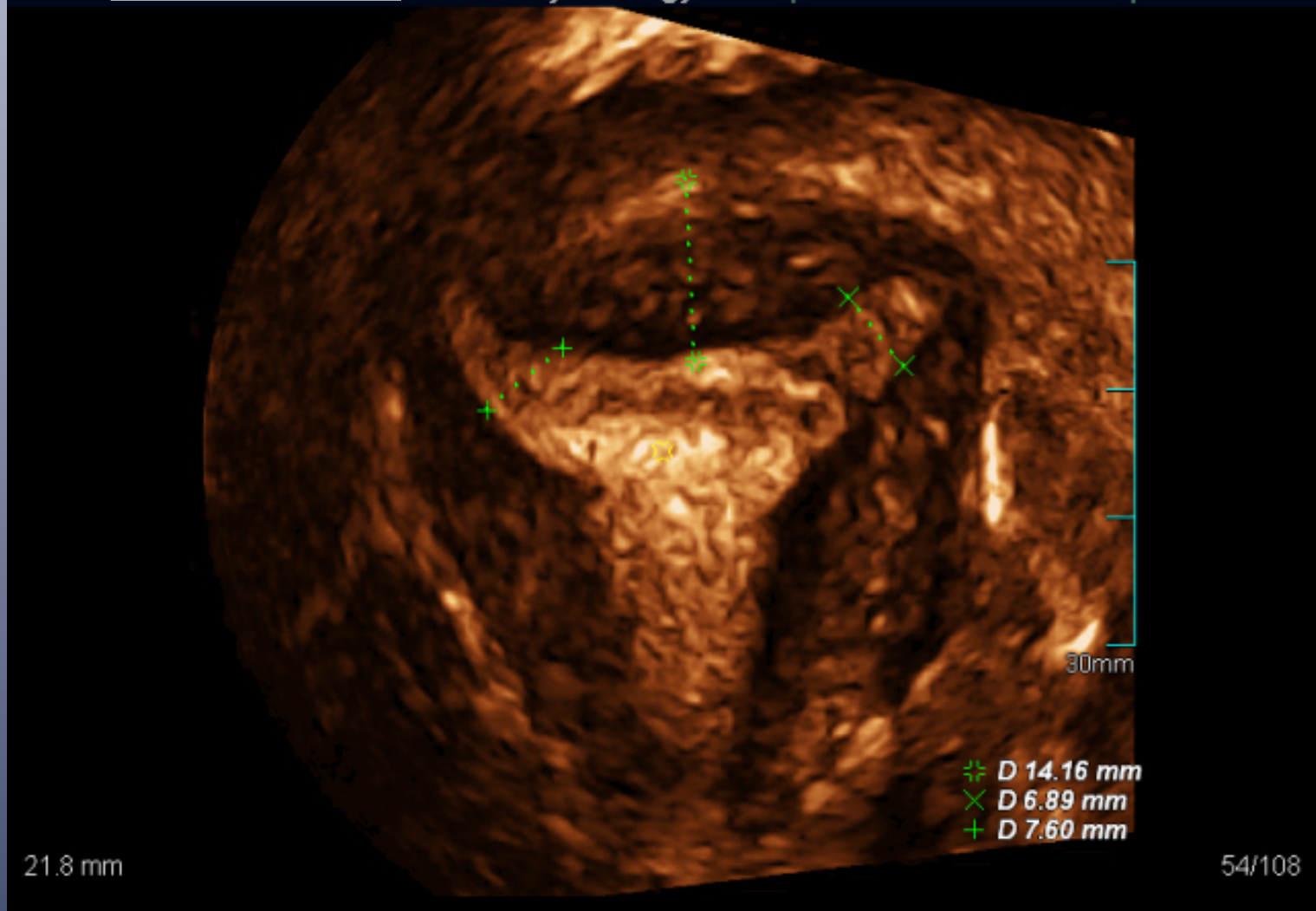
ACCUVIX
XQ



ORDINACIJA JURISIC
Gynecology

Extreme
3D5-8EK

MI 1.3
TIs 0.0 | 05-12-2004
21:07:05

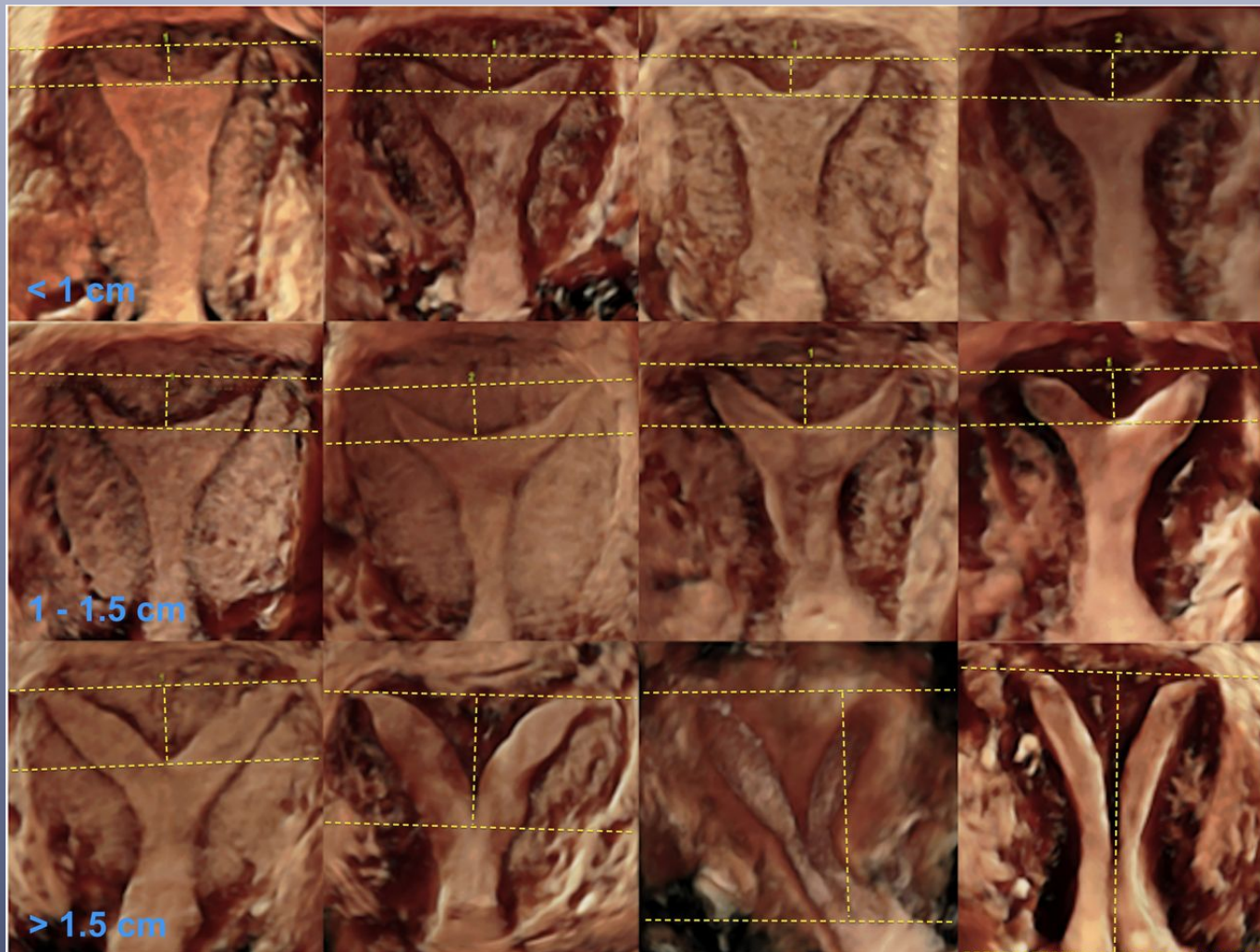


Ili ipak septus?

Comparison of the ESHRE-ESGE and ASRM classification of Mullerian duct anomalies in everyday practice

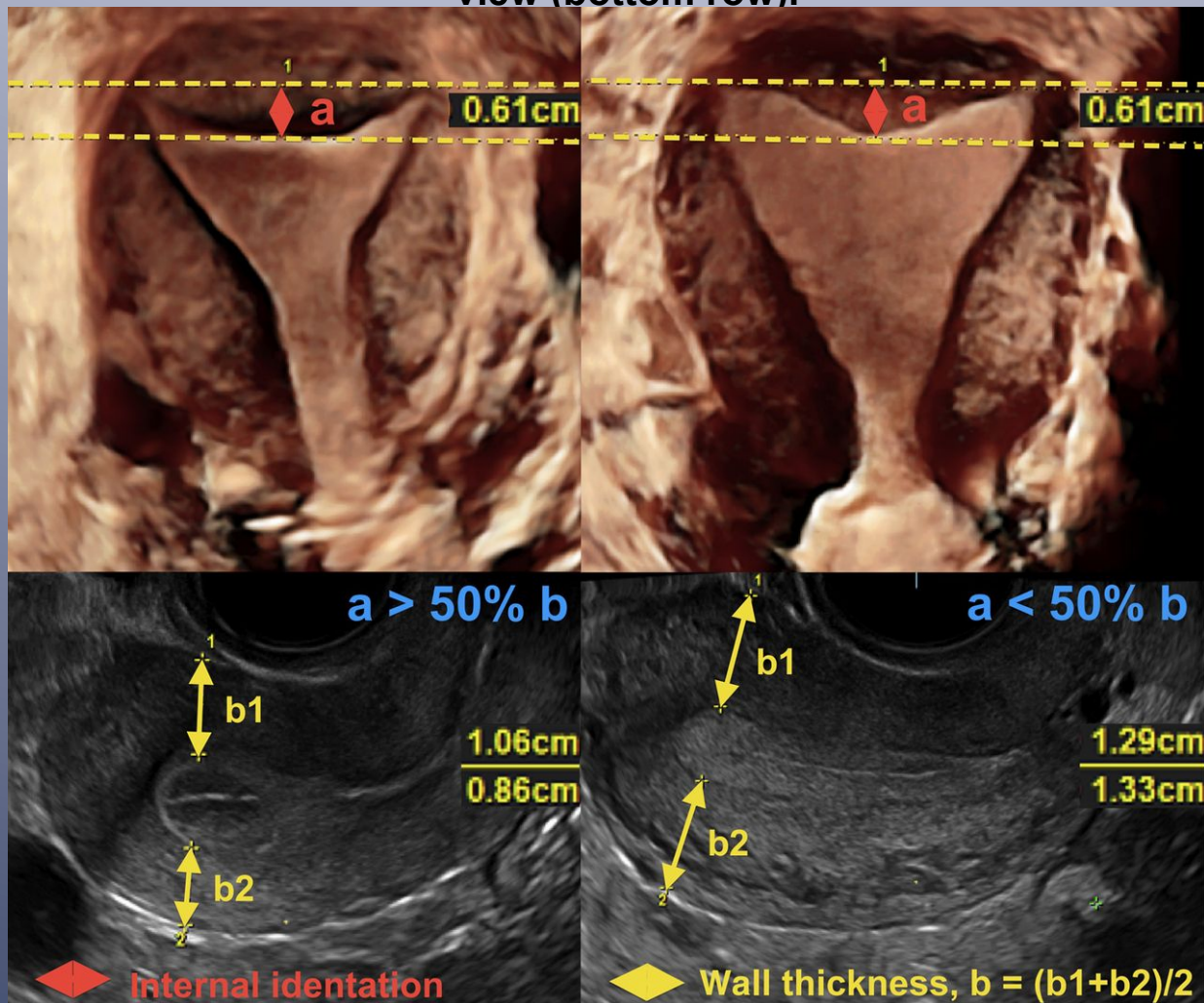
- Ludwin A, Hum Reprod 2015
- Nagrada za najbolji poster ESHRE Lisabon 2015
- 261 ispitanica; 44 septuma po ESHRE/ESGE; 16 po ASRM + 16 arkuatusa po ASRM (+12 septuma po ESHRE/ESGE su po ASRM uredni)!!

Septate uterus by ESHRE–ESGE includes three morphological classes by ASRM; Top row, norm (internal indentation <1 cm); middle row, arcuate; and bottom row, septate uterus.



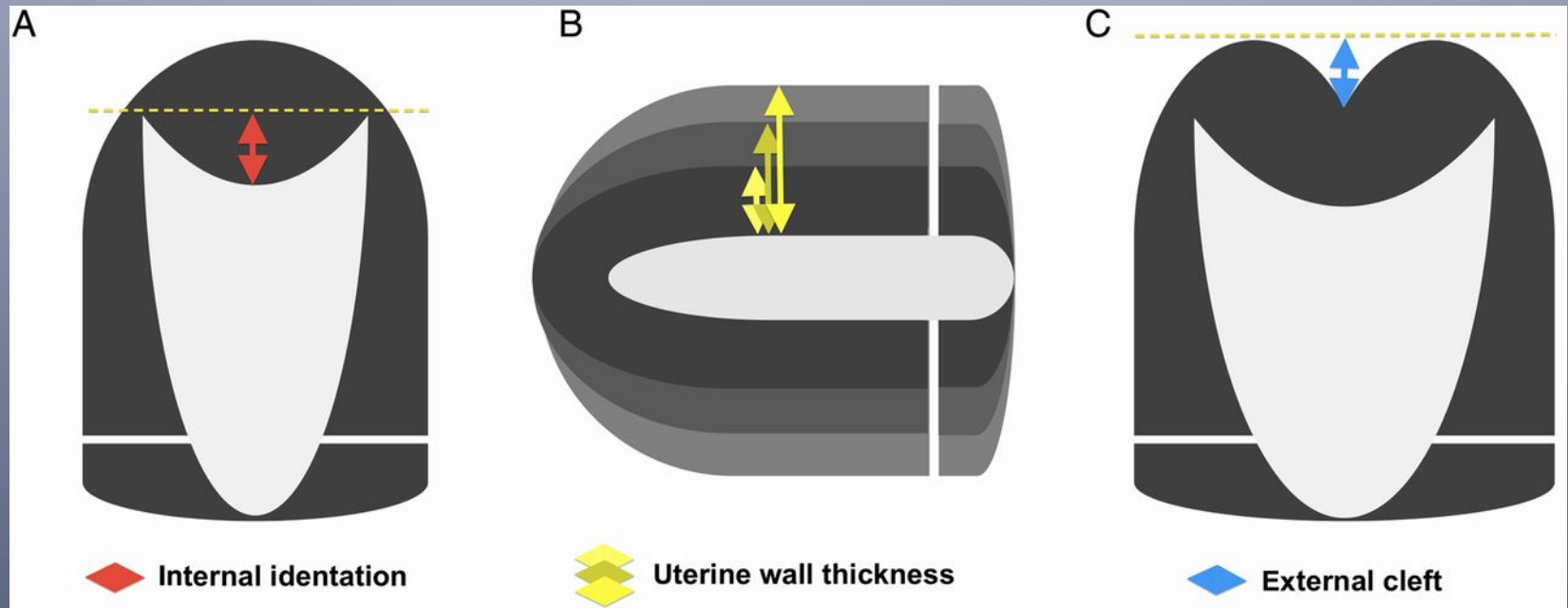
A. Ludwin, and I. Ludwin Hum. Reprod. 2015;30:569-580

Normal uterus by ASRM with the same length of internal fundal indentation in coronal view (top row); may be recognized paradoxically by ESHRE-ESGE as a septate (case on left) or normal uterus (case on right) depending on the thickness of the uterine wall in the sagittal view (bottom row).



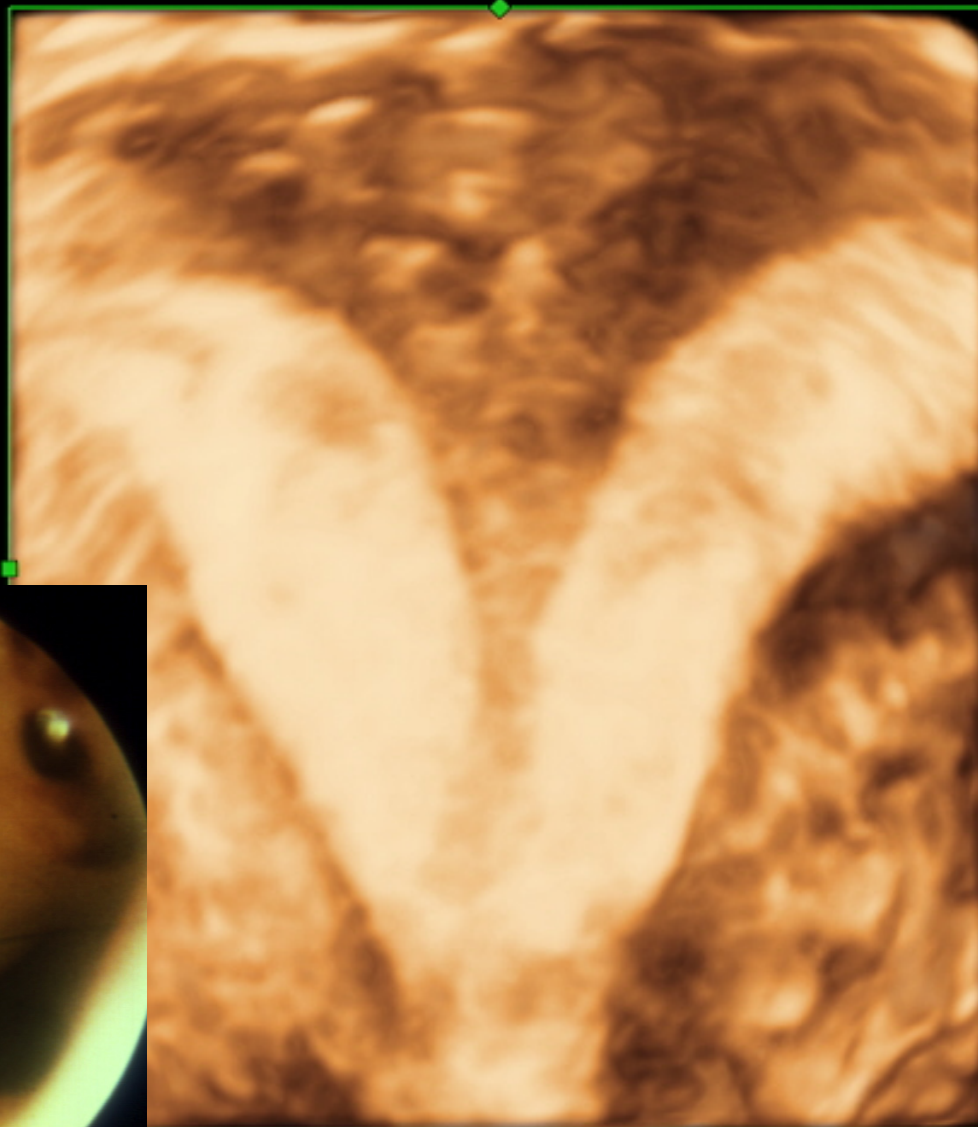
A. Ludwin, and I. Ludwin Hum. Reprod. 2015;30:569-580

Differentiation of normal, septate and bicornuate uterus by the ESHRE–ESGE classification system.

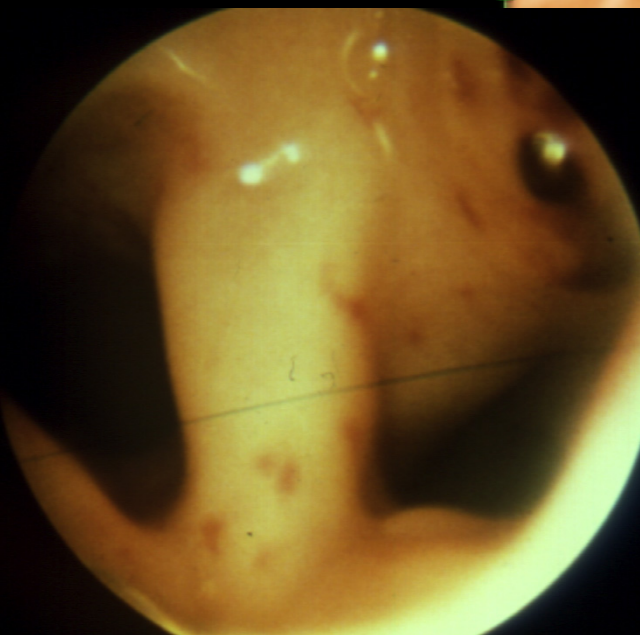


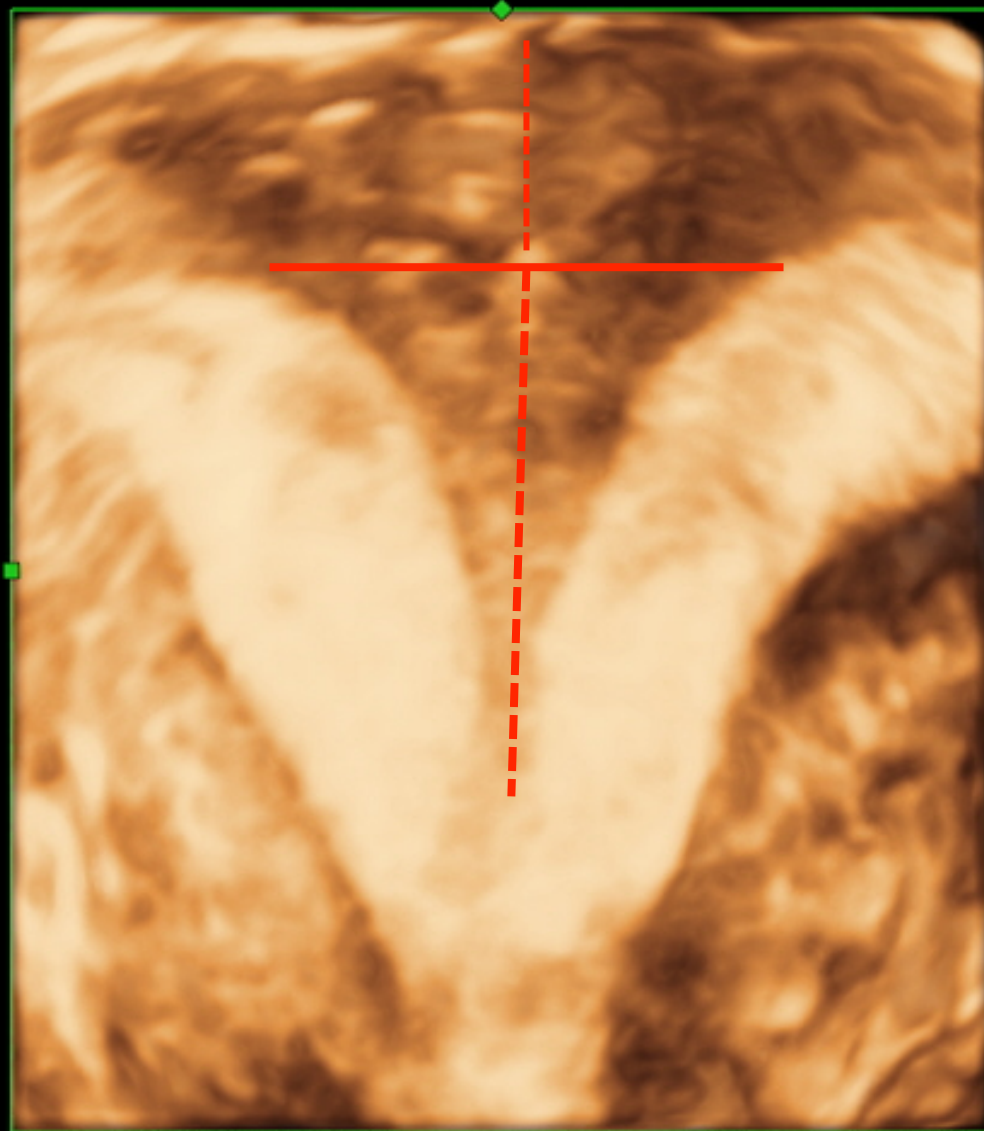
A. Ludwin, and I. Ludwin Hum. Reprod. 2015;30:569-580

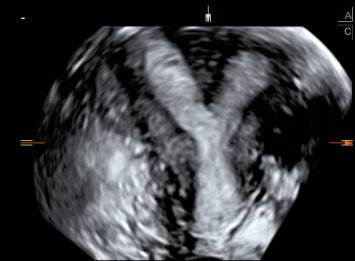
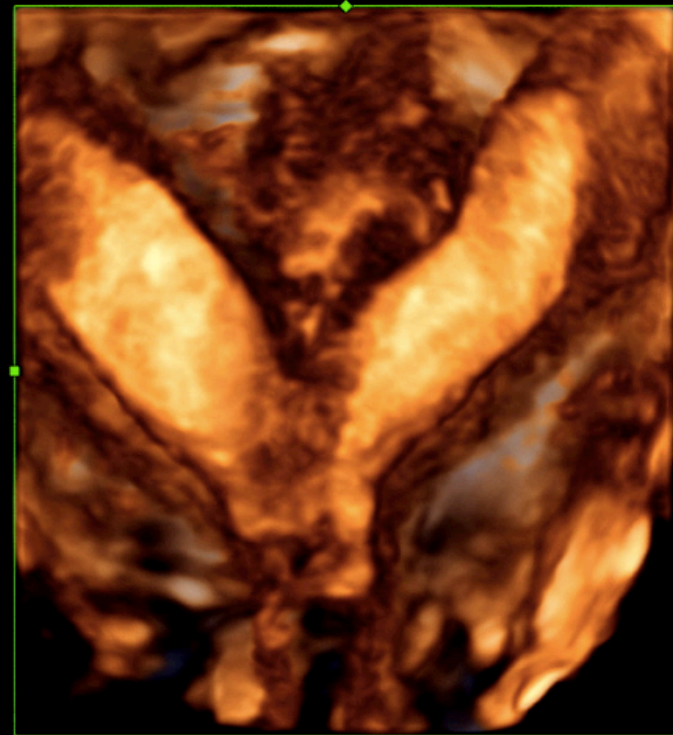
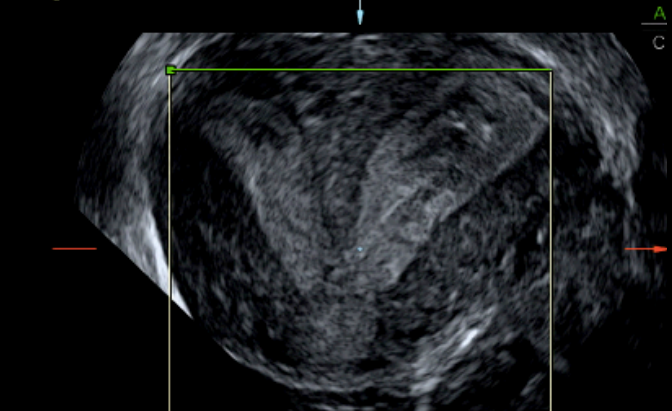
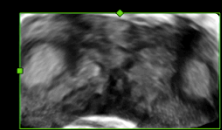
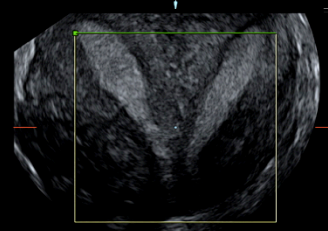
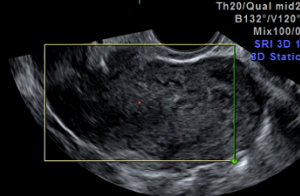
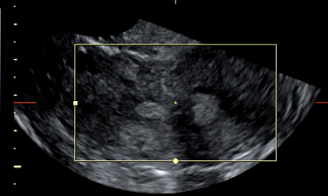
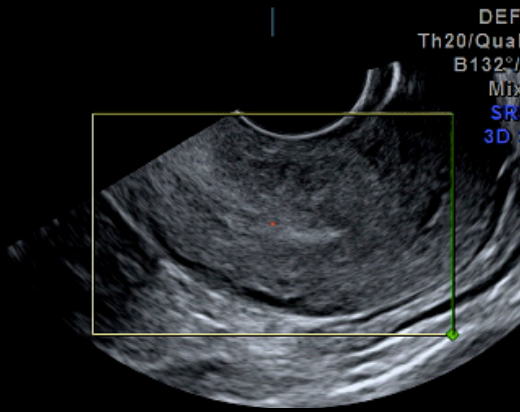
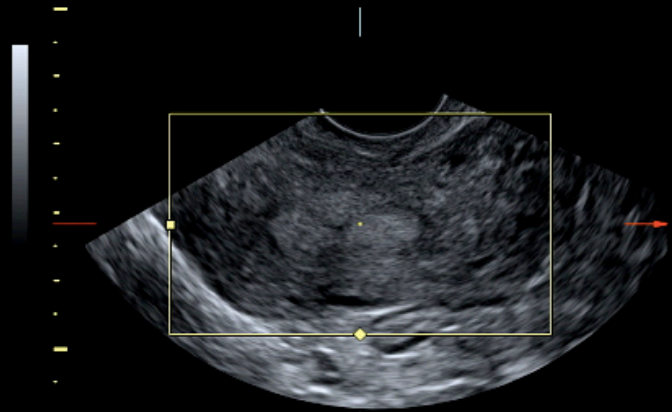
Histeroskopija
nije zlatni standard
za dijagnostiku
anomalija uterusa
jer ne može mjeriti
debljinu miometrija



UZV može!







Resekcija septuma je opravdana u žena koje žele trudnoću:

- i imaju anamnezu jednog ili više spontanih pobačaja
- su neplodne
- su starije od 35 godina
- planiraju postupak pomognute oplodnje
- planiraju laparoskopiju i/ili histeroskopiju iz drugih razloga

Hvala na pažnji

