THE RESULT OF PRENATAL DIAGNOSIS OF PLACENTA ACCRETA PREVIA WITH PREVIOUS CESARIAN SECTION BY ULTRASOUND

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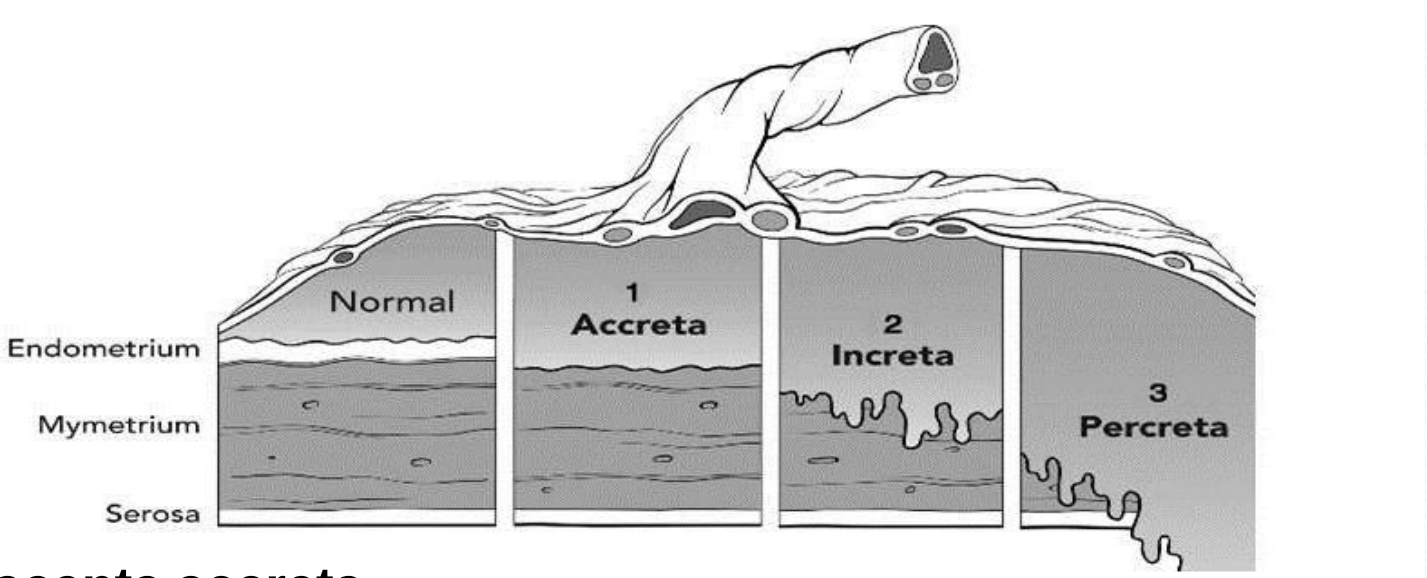


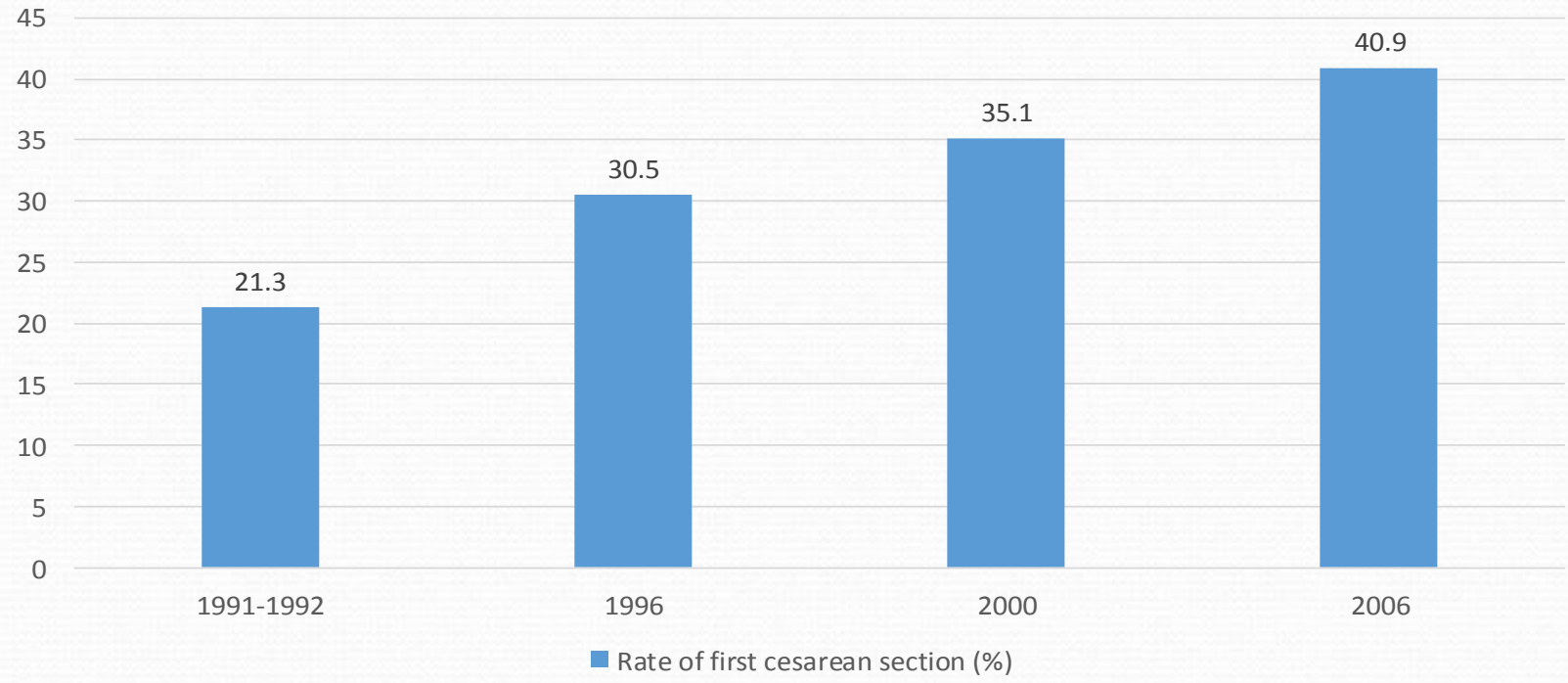
Placenta accreta

- Placenta accreta is defined as an abnormal adherence of placental villi to underlying myometrium with an absence of decidua basalis
- Placenta accreta: attached to the decidual surface of the myometrium (75%)
- Placenta increta: more deeply invading into the myometrium (15%)
- Placenta percreta: through the myometrium and the uterine serosa +/- adjacent organs (5%)

Risk factors for placenta accreta

- Multiparty, more abortion
- Increasing maternal age
- Previous accrete, uterine fibroids under endometrium, endometriosis is on the tissues that hold the uterus in place
- Myomectomy
- Previous caesarean section and placenta praevia

Rate of first cesarean section in national hospital of Obstetrics and Gynaecology



Objectives

- To describe the result of prenatal diagnosis of placenta accreta previa with previous section by ultrasound in National hospital of Obstetrics and Gynaecology from september 2016 to march 2017

Materials and Method

- **Materials** : 98 pregnacies are prenatal diagnosed placenta previa with previous section and follow up untill cesarian section with hysterectomy or not
- **Method** : a descriptive study with following up

Diagnostic criteria identified

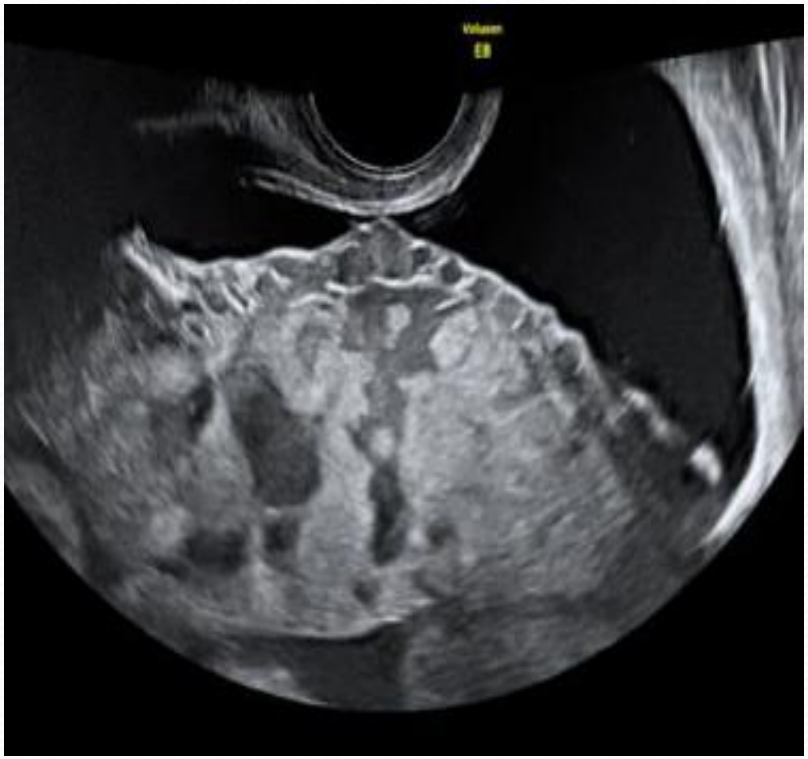
- Diagnostic criteria identified as uterine pathology: have picture increta

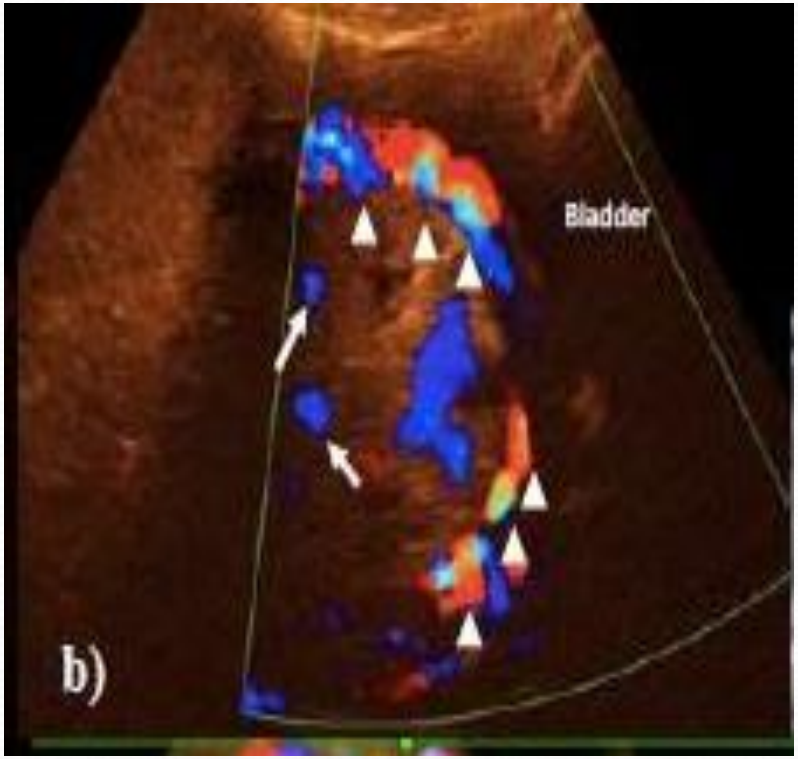
Ultrasound evaluation

- Loss of retroplacental clear spaces, gap in the retroplacental blood flow

Ultrasound evaluation

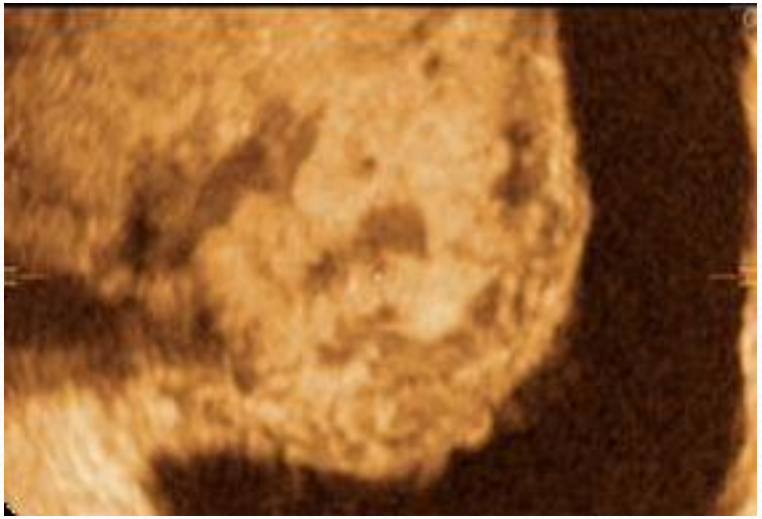
- Placental lacunae with turbulent flow





Ultrasound evaluation

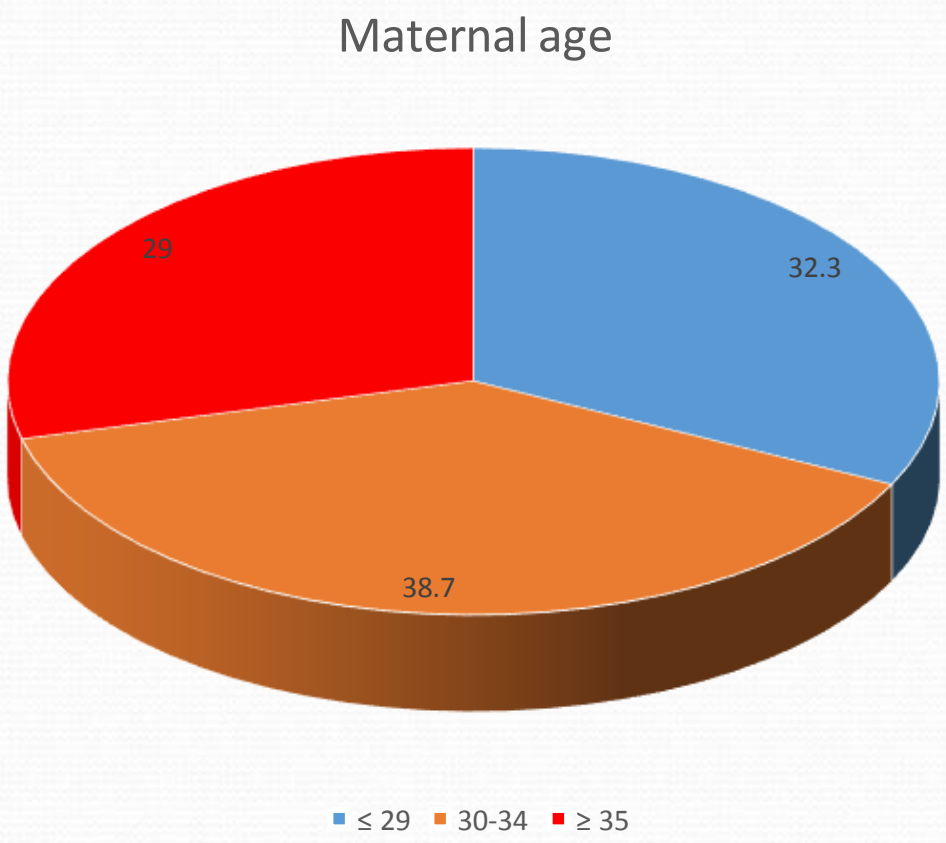
- Irregular bladder wall with extensive associated vascularity, myometrial thickness <1 mm or loss of visualization of the myometrium



Results

- Rate : among 98 pregnancies are prenatal diagnosed placenta previa with previous section there are 31 cases uterine pathology have picture increta.
- Rate = 31/98 = 31.6%

Results



Results

- **History of cesarean section**

Cesarean delivery	n	%
1	13	41.9
2	14	45.1
≥3	4	13
Total	31	100

Results

- Gestational age at study

Gestational age	<22 weeks	22-33 weeks	34-37 weeks	>37 weeks	Không c	Total
N	00	18	06	00	07	31
(%)	00	58	19.4	00	22.6	100

Results

- Value of ultrasound

	uterine pathology have picture increta	uterine pathology have not picture increta	Total
Ultrasuond have accreta	24	04	28
Ultrasuond have not accreta	07	63	70
Total	31	67	98

Results

Value of ultrasound:

- *Sensitivity* 77.4%
- *Specificity* 94%
- *Positive predictive value* 85.7%
- *Negative predictive value* 90%

DISCUSS

Rate

- c Hinh: 6.4%
- Chattopaddyay: 38.2%
- Clark S.L: 29%
- Our study: 31.6%

DISCUSS

Maternal age:

- Cut point 35 years old.
- Chou MM and Desbrieres R: 1,14 times with maternal age > 35 years old (p< 0,001).
- Đinh Văn Sinh: Rate 47,8% with maternal age > 35 years old
- This study : Rate 29% with maternal age > 35 years old

DISCUSS

History of cesarean section:

- Chou MM Desbrieres R: raised in women who had a previous caesarean delivery 2.16(0,96- 4,86) times and raised in women who had 2 or more previous caesarean delivery 8.62(3,53-21.07) times and with placenta previa 51.42 (10,65-248,39) times.
- This study: 58% women who had 2 or more previous caesarean delivery

DISCUSS

Gestational age at study:

- Gestational age 22 to 33 weeks: 58%
- Gestational age 34 to 37 weeks: 19.4%
- Ballas: Ultrasound findings in the first trimester include low lying gestational sac, hypo echoic placental regions, irregular placental- myometrial interface, and placenta previa

DISCUSS

Value of ultrasound:

- Chou MM and Desbrieres R: *Sensitivity* 87.5%, *Specificity* 96.8%, *Positive predictive value* 87.5%, *Negative predictive value* 95.3%.
- This study: *Sensitivity* 77.4%, *Specificity* 94%, *Positive predictive value* 85.7%, *Negative predictive value* 90%.
- Lê i Chương : *Sensitivity* 47.8%
- n Danh ng : *Sensitivity* 55.6%
- n Liên Phương: *Sensitivity* 91.4%.

CONCLUSIONS

- Placenta accrete previa with previous cesarian section can be successfully detected prenataly using ultrasound.

Thank You For Listening !