

국민건강보험

National Health
Insurance Service

일산병원

Ilisan Hospital

산부인과 수술의 이해와 감시

국민건강보험 일산병원 산부인과
김 의혁



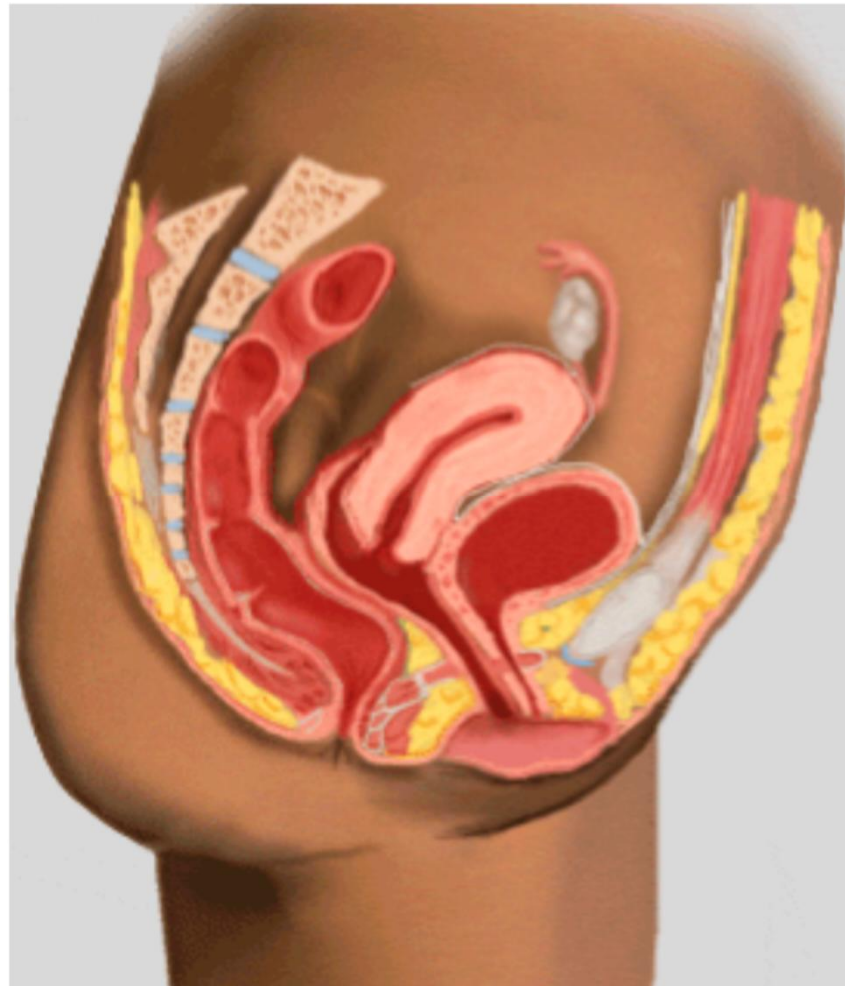
여성의 해부학적 구조

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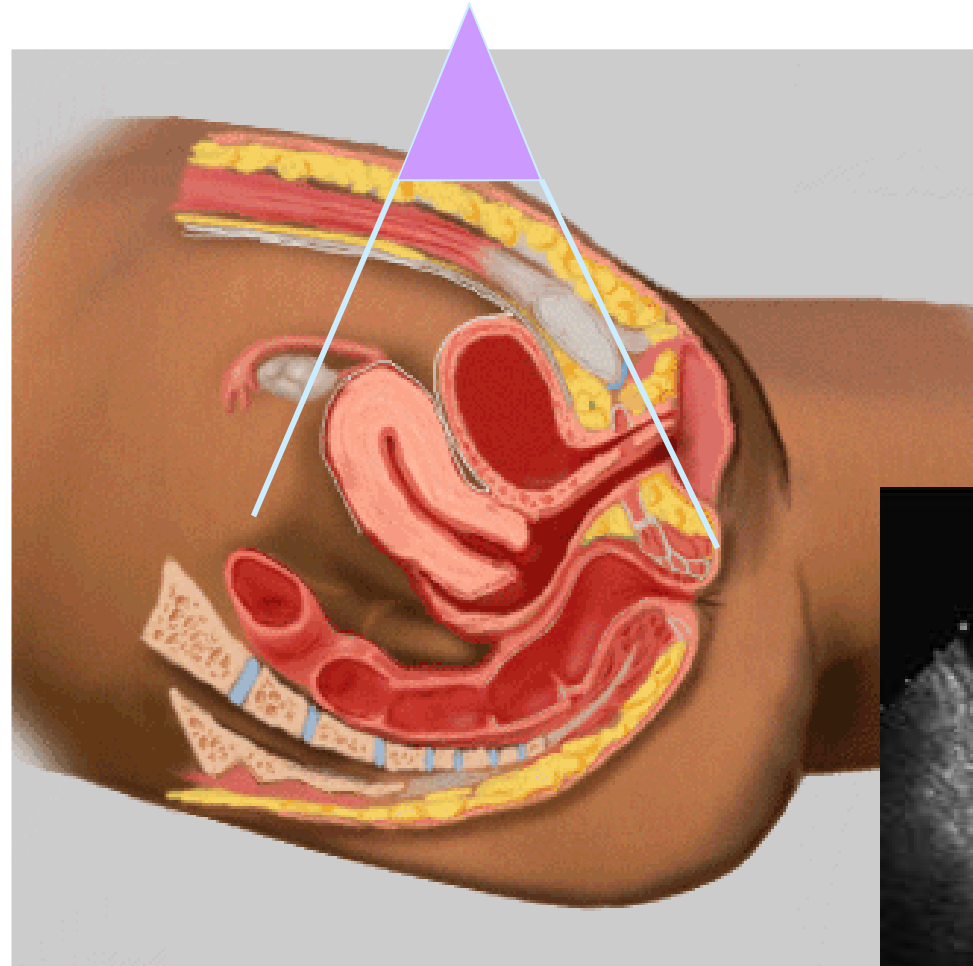
배 초음파

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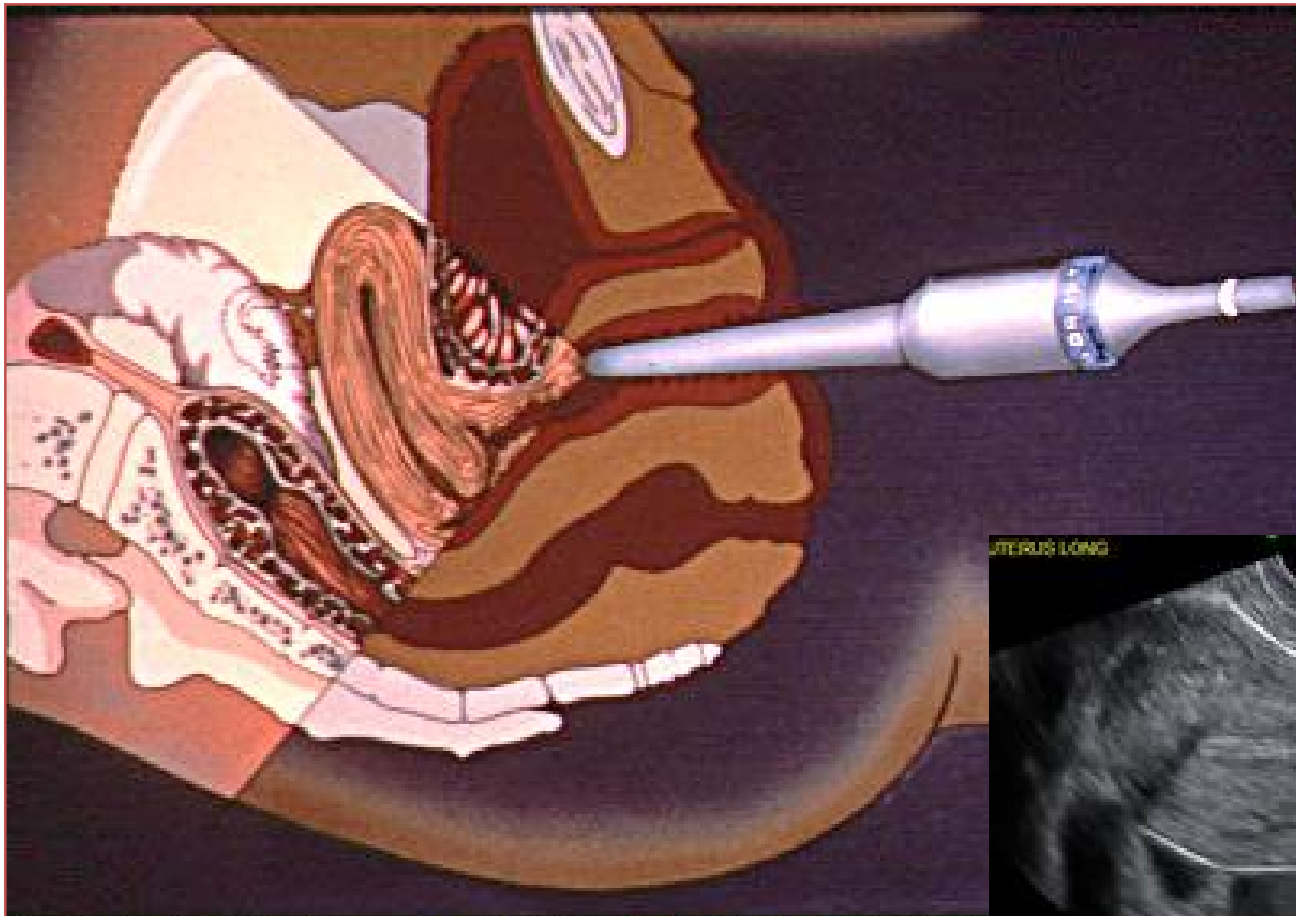
질 초음파

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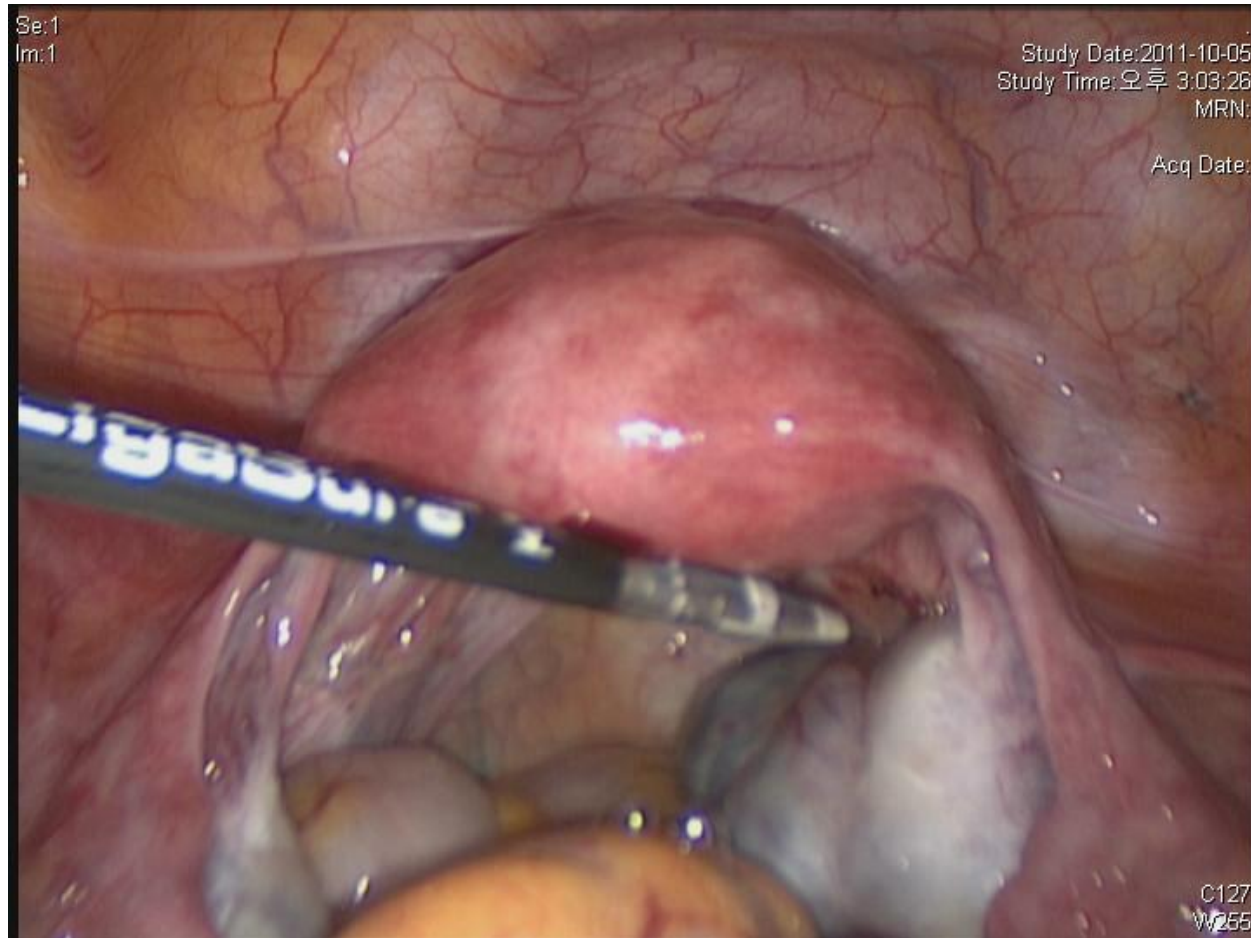
실제 자궁 모양

국민건강보험

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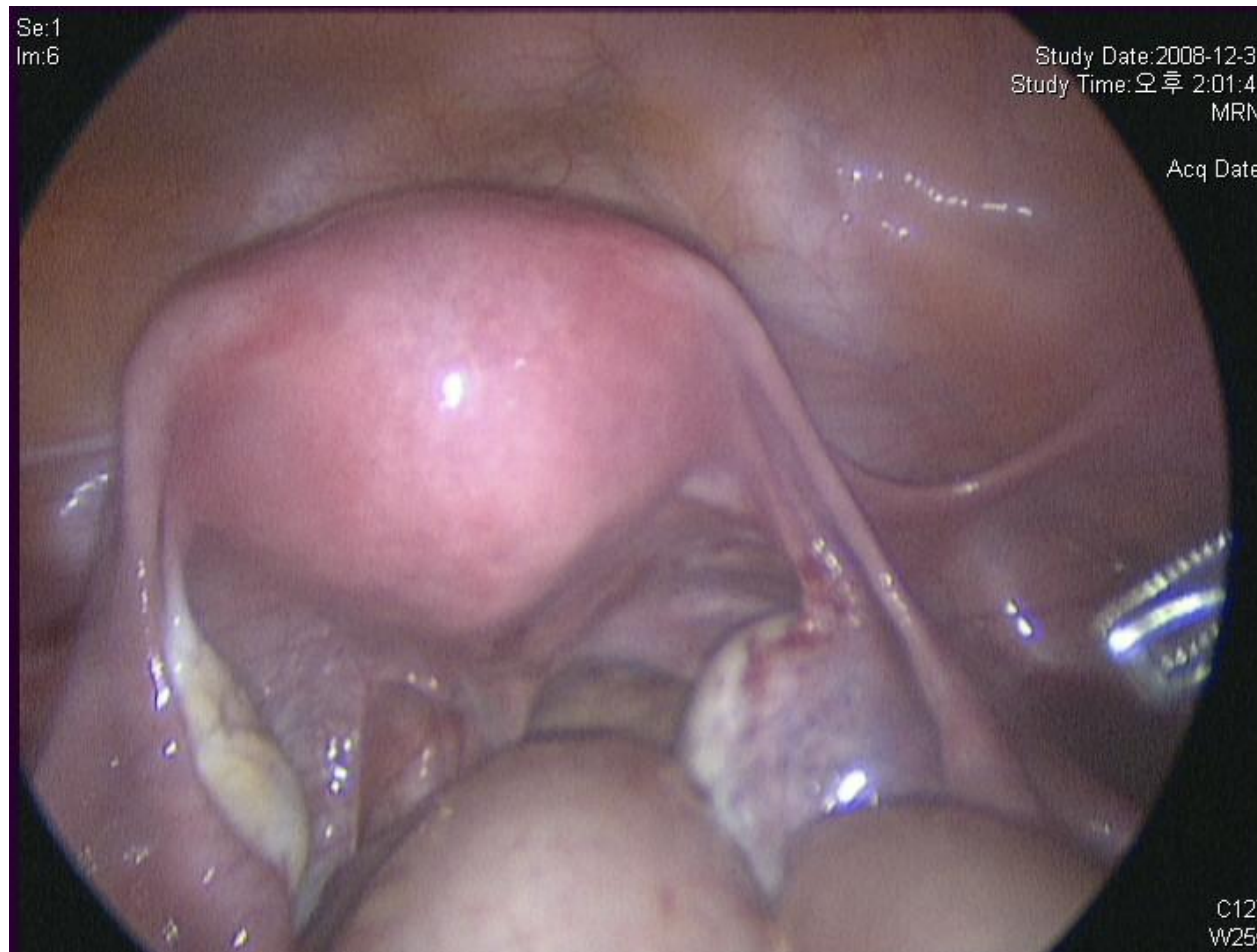
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← 트윗



인스티즈 연예소식
@instiz



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여보 나 임신이래 inti.kr/pt/6010581



참 빨리도 확인하네요

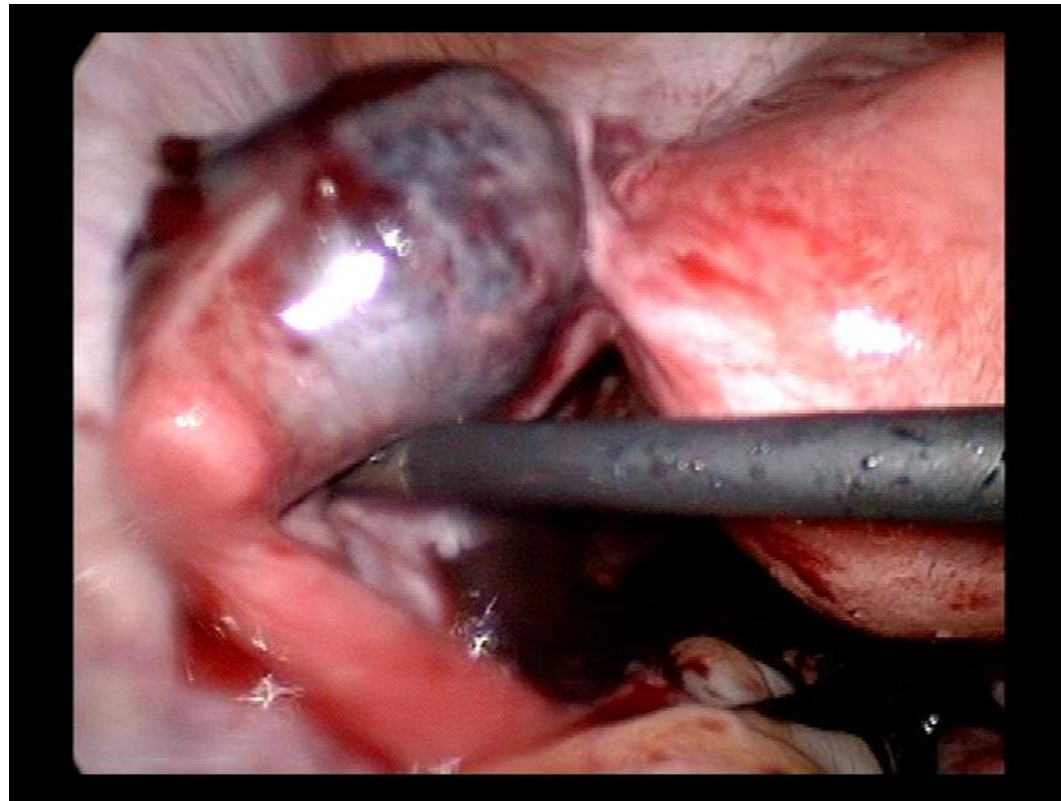
자궁외 임신

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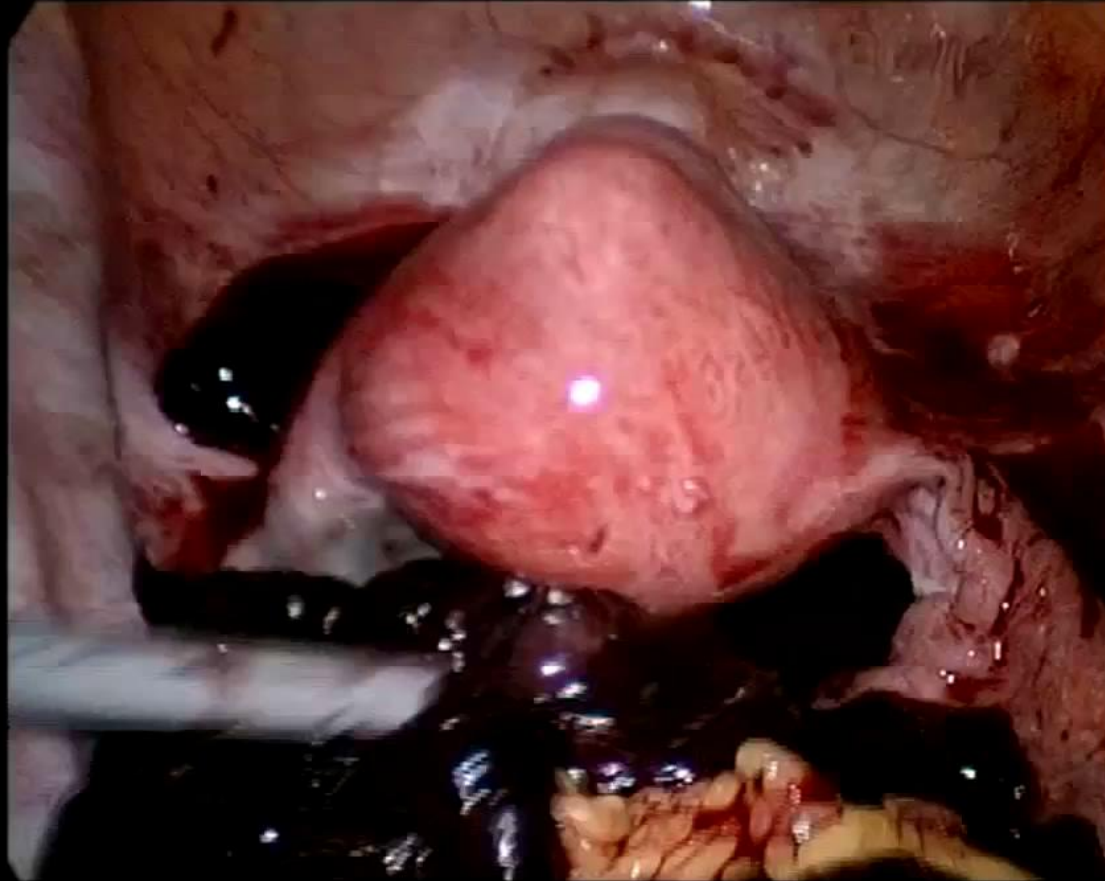


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산부인과 수술의 종류

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1. 제왕절개술 (cesarean section)

1) Skin incision

- 1) 가로
- 2) 세로

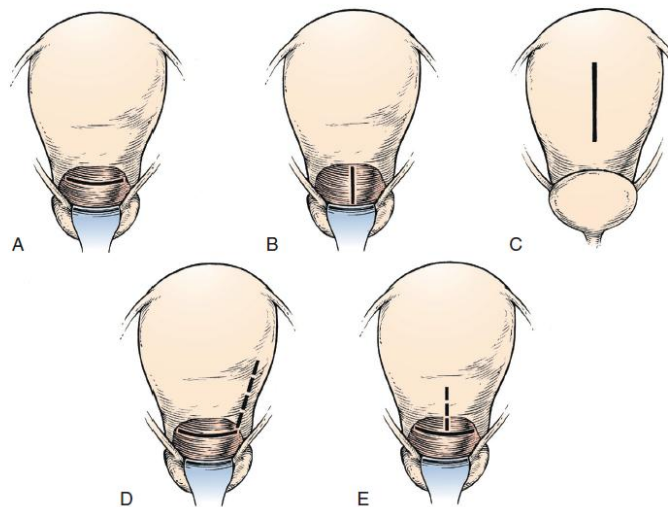
2) Uterus incision

- 1) Low flap transverse
- 2) Classical (vertical uterine incision)

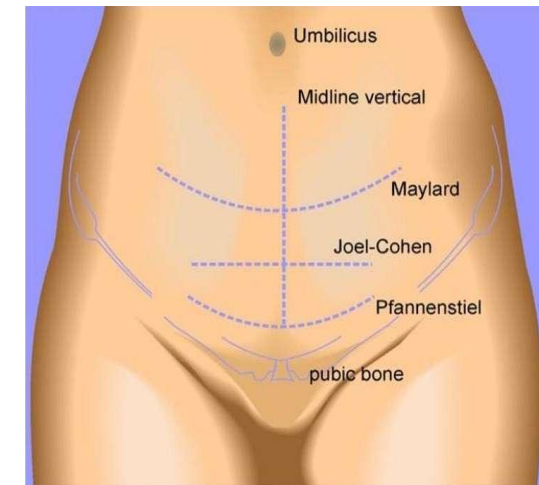
Horizontal incision



Vertical incision

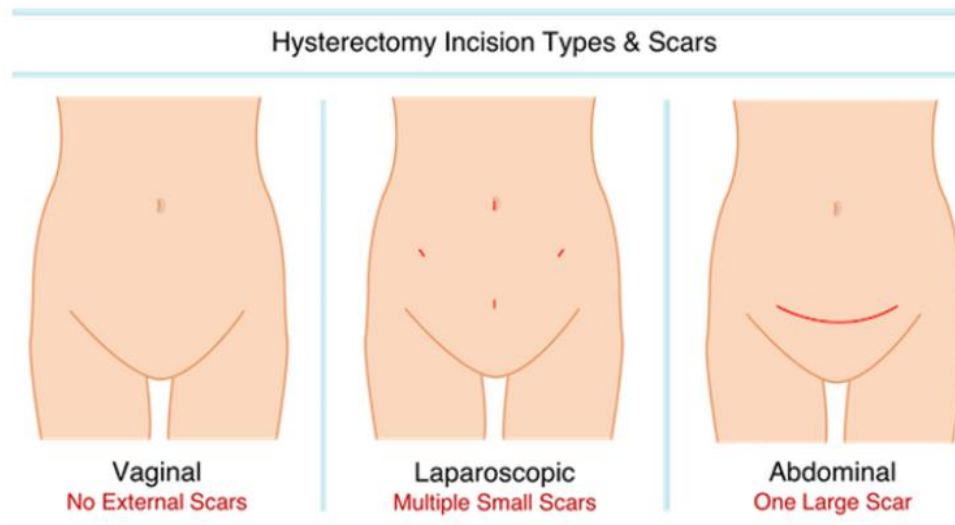


ADAM.



2. 자궁적출술 (hysterectomy)

- 1) 복식 (total abdominal hysterectomy, TAH)
 - 2) 질식 (vaginal hysterectomy)
 - 3) 복강경하 (laparoscope assisted, TLH)
- cf) Robot-assisted laparoscopic op (로봇 수술)



제왕절개

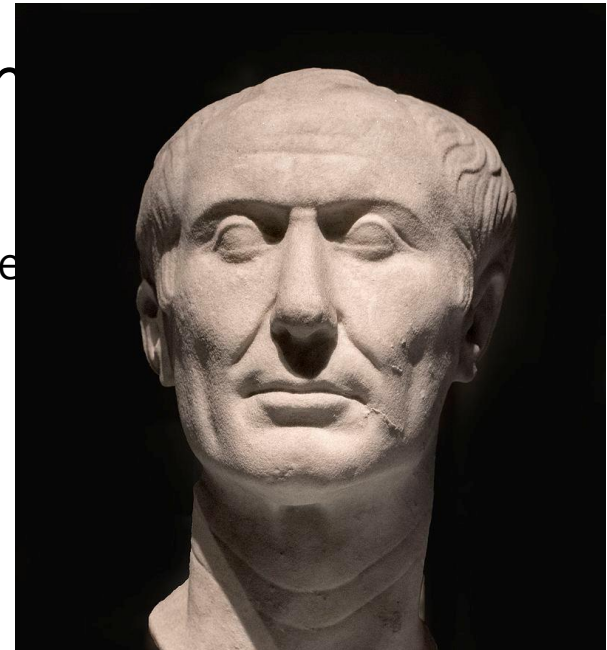


- 제왕 (帝王, emperor) ; Julius Caesar was born in this manner
- derived from Latin verb, **cesdere**

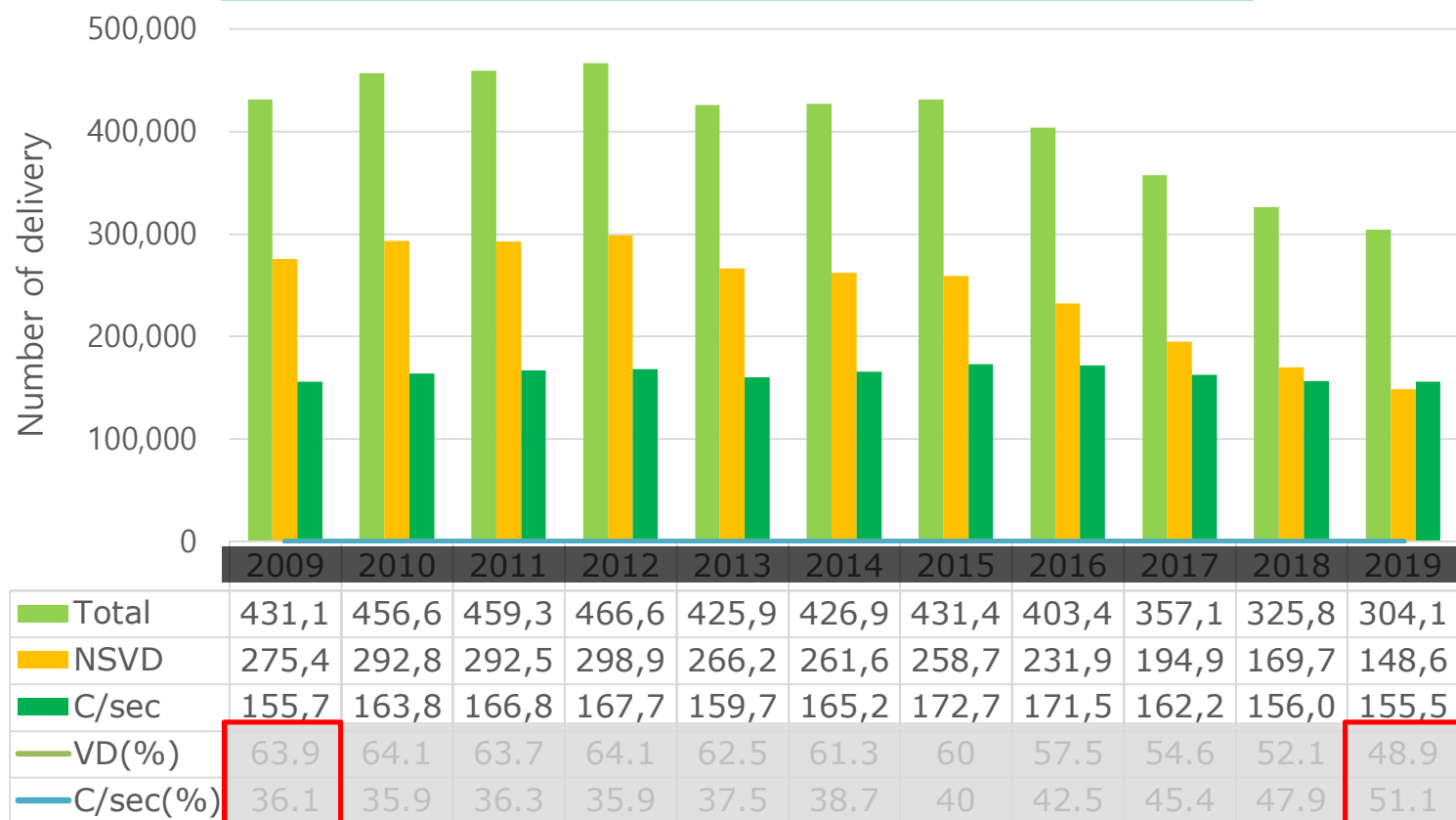
The German term Kaiserschnitt —Kaiser cut—reflects this

- Name of operation derived from Roman law (BC 8th century by Numa Pompilius)

This *lex regia*—king's rule or law—later became the basis of the emperor's power



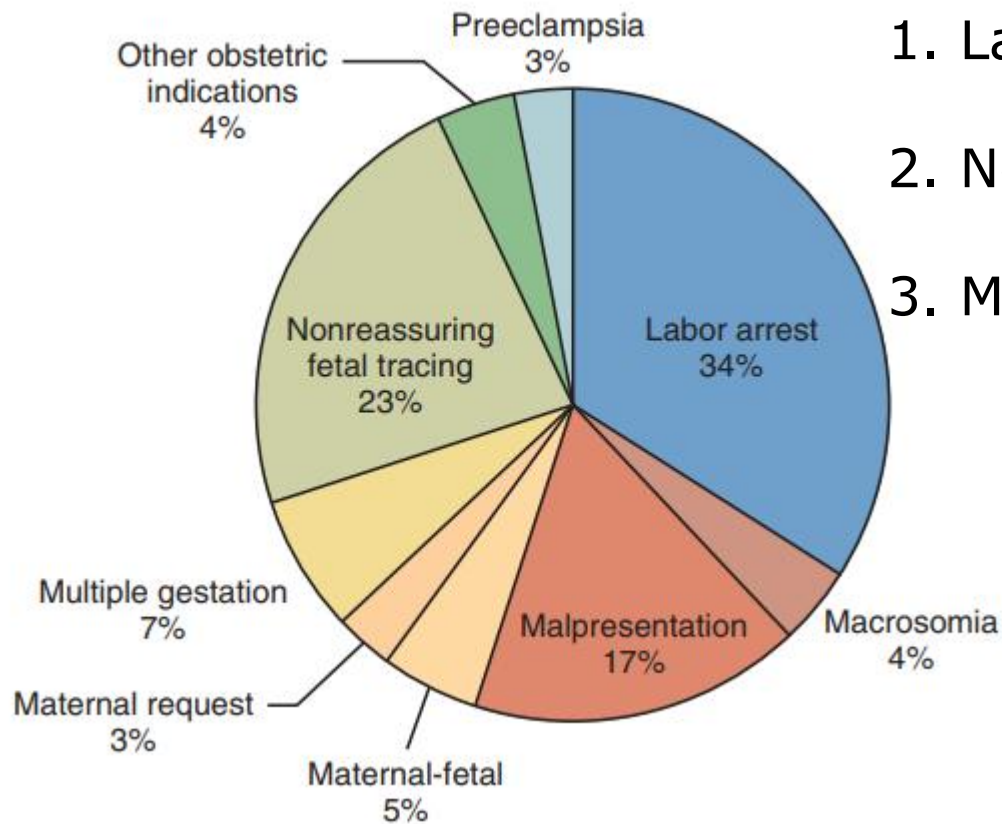
Number by delivery mode in South Korea



초산모 제왕절개 적응증

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1. Labor arrest

2. Nonreassuring fetal tracing

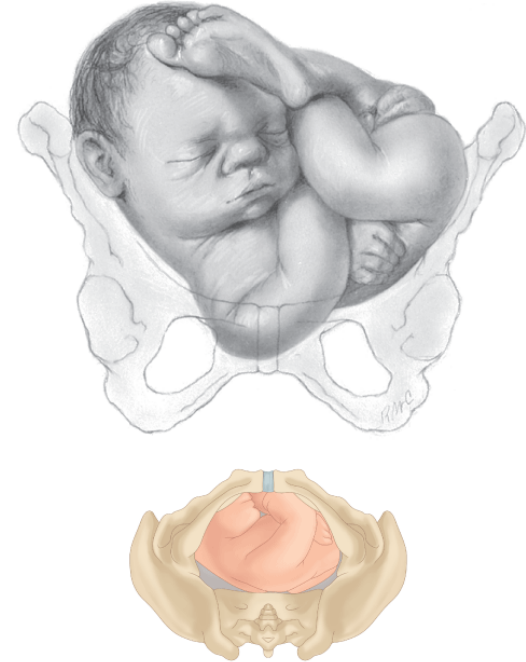
3. Malpresentation

제왕절개 적응증 (1)

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1. 난산
2. 태아가사
3. 태아위치 이상 (
4. 그 밖에
 - 자궁 기형
 - 자궁근종
 - 성병 / 자궁경부암



제왕절개 적응증 (2)

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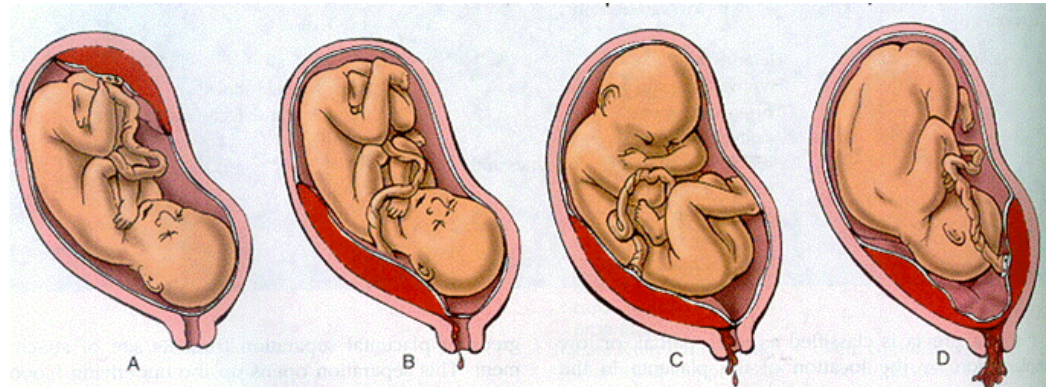
5. 전치태반

6. 자간전증/ 자간증

7. 쌍둥이/ 삼둥이 임신

7. 과거 제왕절개/ 과거 자궁근종 제거술

8. 산모의 요구



응급제왕절개술 적응증

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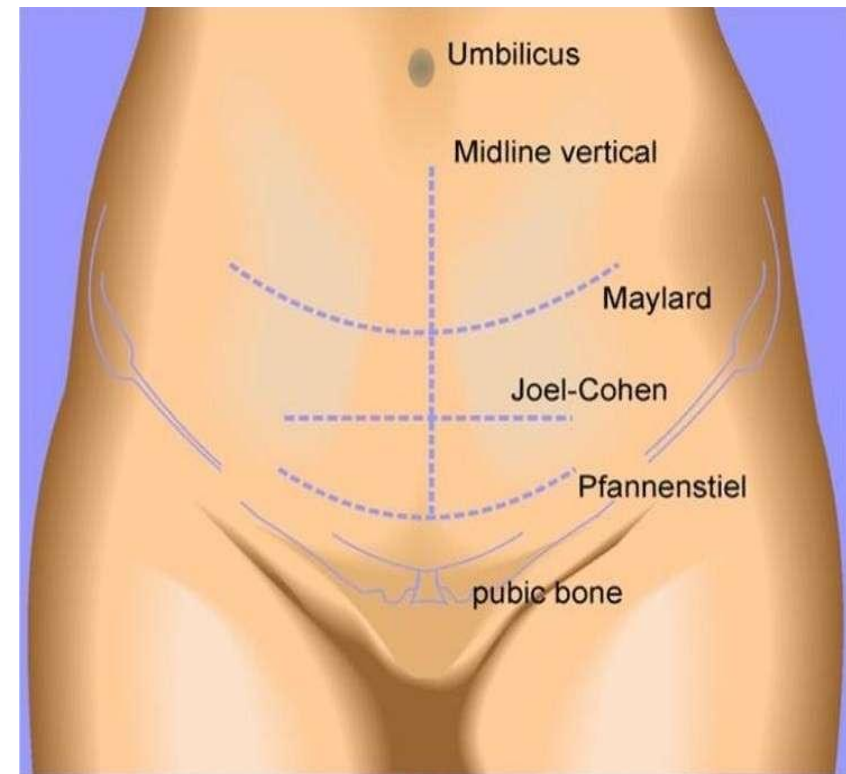
1. 태아가사
2. 태반박리
3. 자궁파열
4. 오랜진통

수술 전 항생제



- Single-dose, preoperative prophylactic antibiotics
 - 피부절개 30 to 60 분 전
 - 1세대 세파 항생제 (eg, cefazolin)/ 암피실린
- 제왕절개 후 자궁내막염 (endomyometritis) 이 제왕절개의 가장 큰 부작용
 - 수술 전 항생제로 그 빈도를 5% 미만으로 감소 시킴

- Skin incision type
 - *Pfannenstiel*
 - *Joel-cohen*
 - *Misgav-Ladach*



Horizontal transverse skin incision is preferred

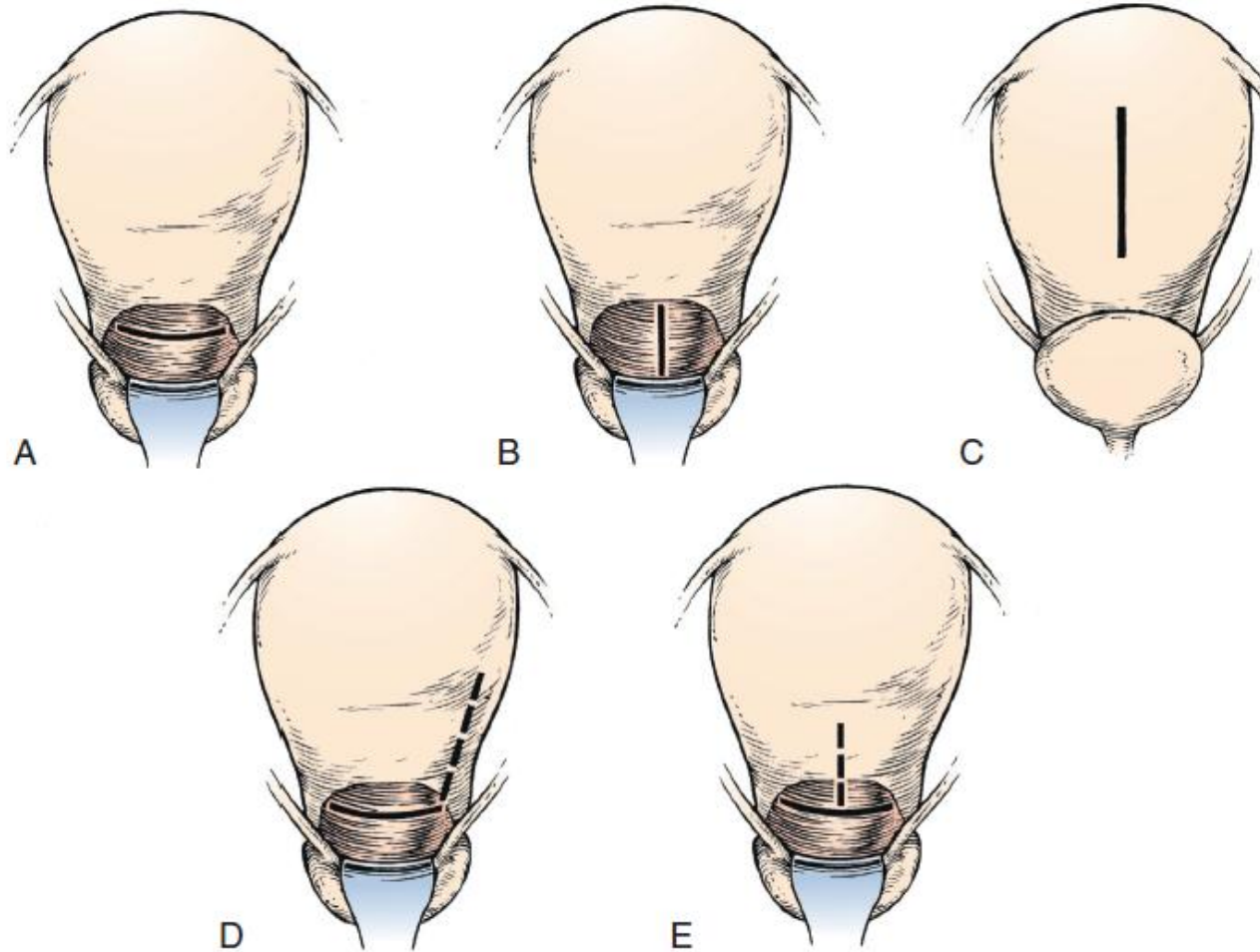
Uterine Incision

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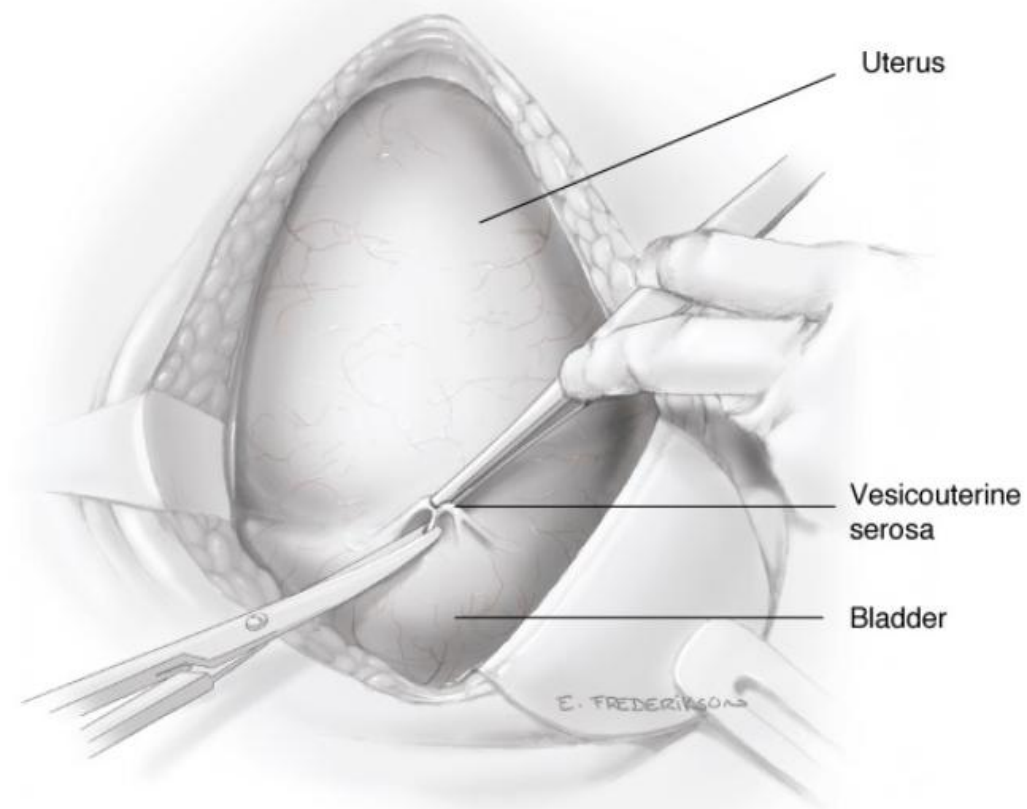
Technique for CD(1)

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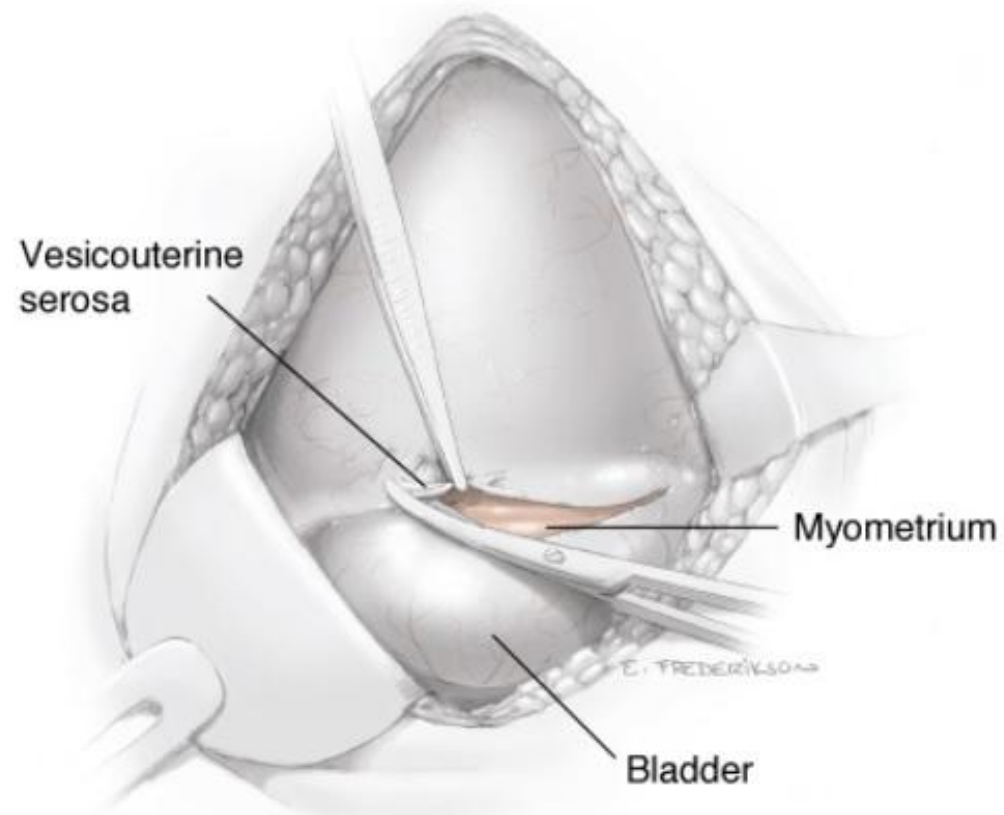
Technique for CD(2)

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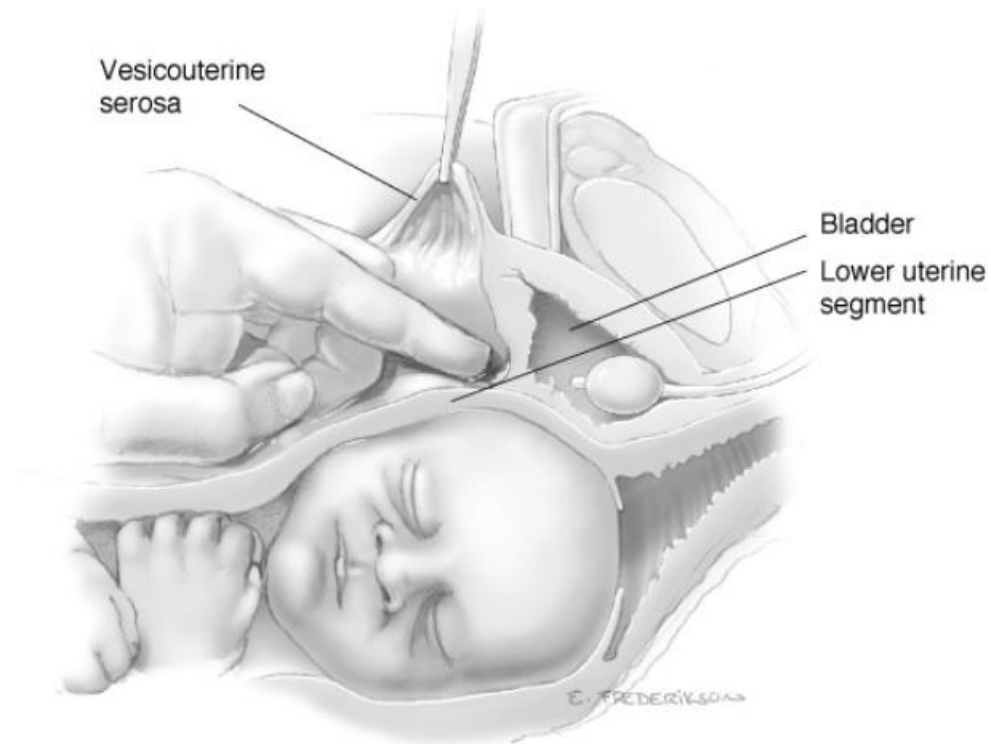
Technique for CD(3)

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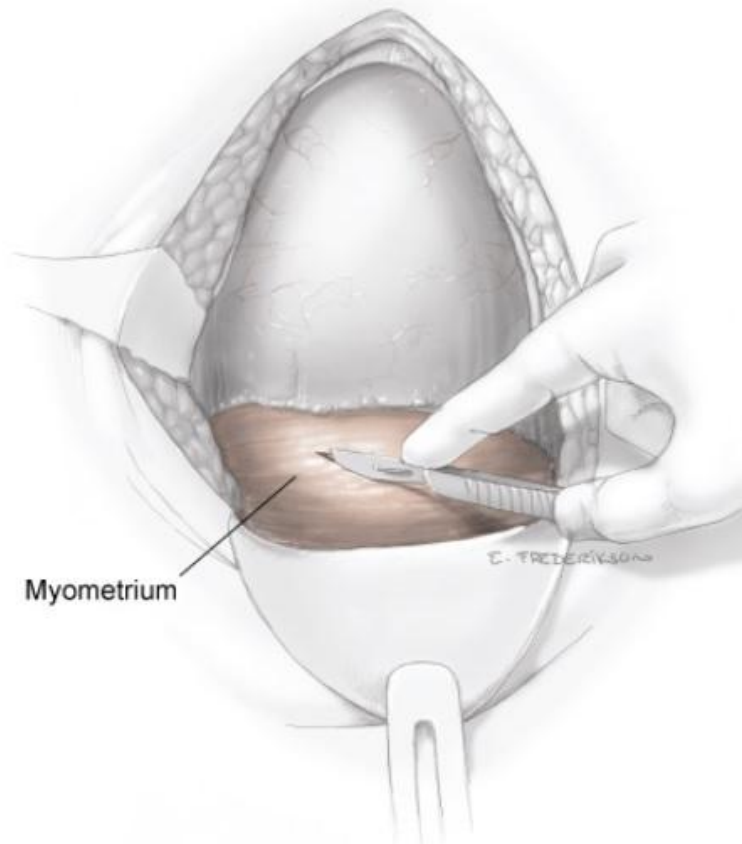
Technique for CD (4)

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A low transverse uterine incision is preferred for almost all CDs.

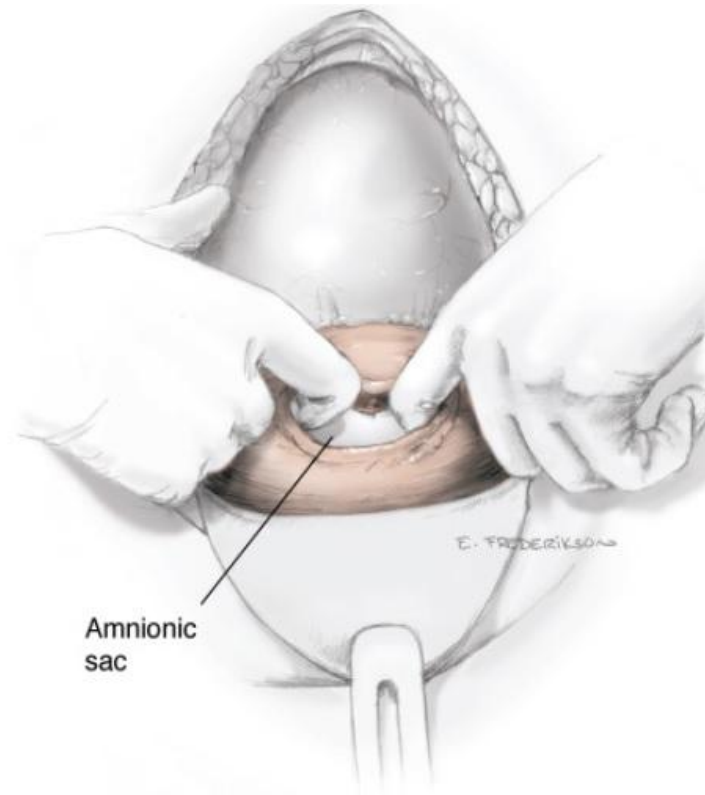
Technique for CD (5)

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Blunt uterine extension is associated with decreased blood loss and is therefore preferred

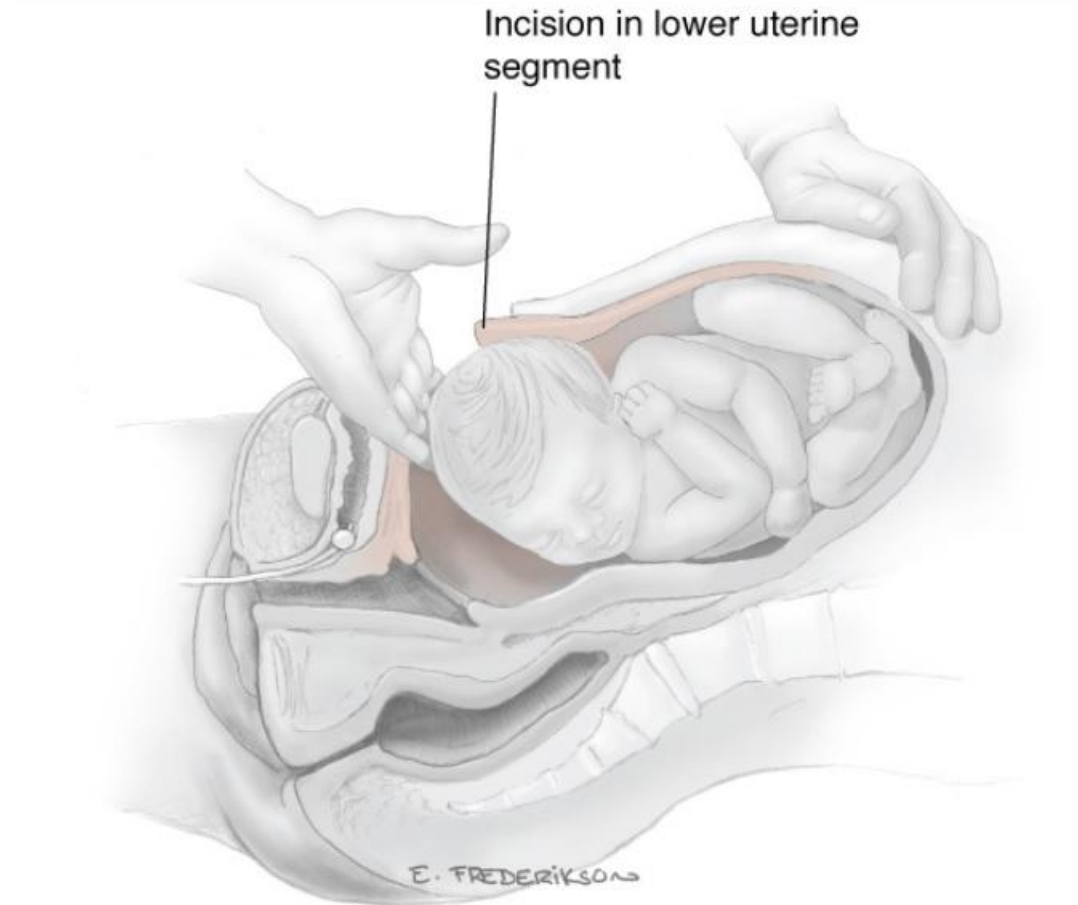
Technique for CD (6)

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Technique for CD (7)

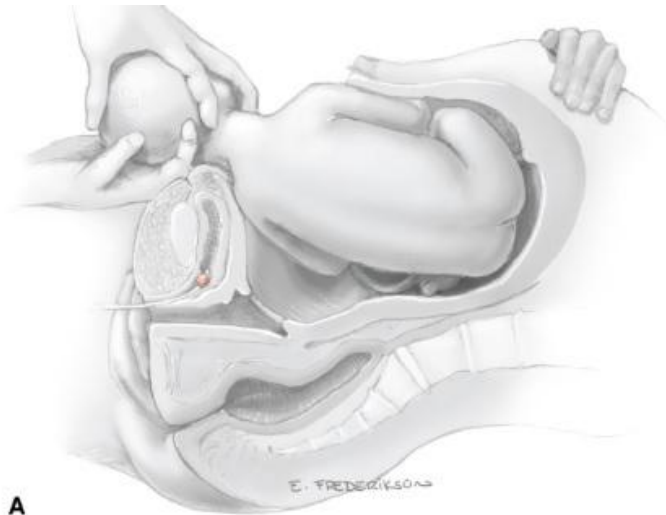
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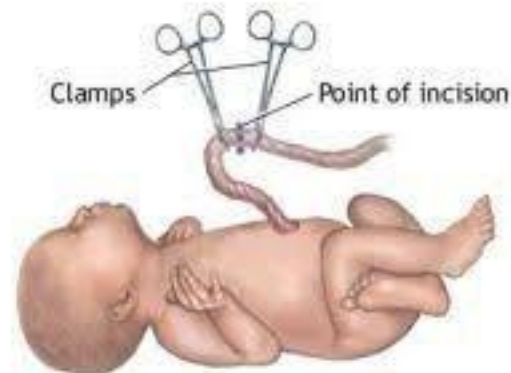
Delayed cord clamping for 30 to 120 seconds for all vigorous infants



A

Sources: Cunningham FG, Leveno KJ, Bloom SL, Hauth JC, Rouse DJ, Spong CY: Williams Obstetrics, 23rd Edition; <http://www.accessmedicine.com>
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The surgeon will clamp and cut the umbilical



ADAM

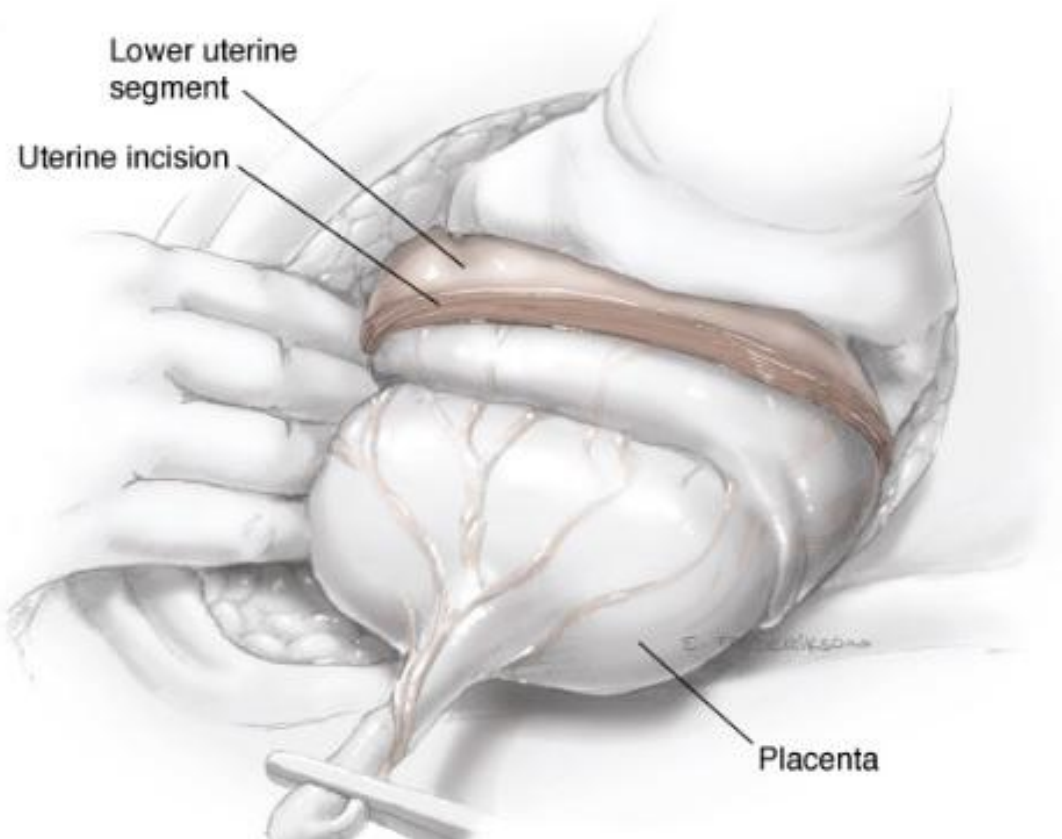
Technique for CD(8)

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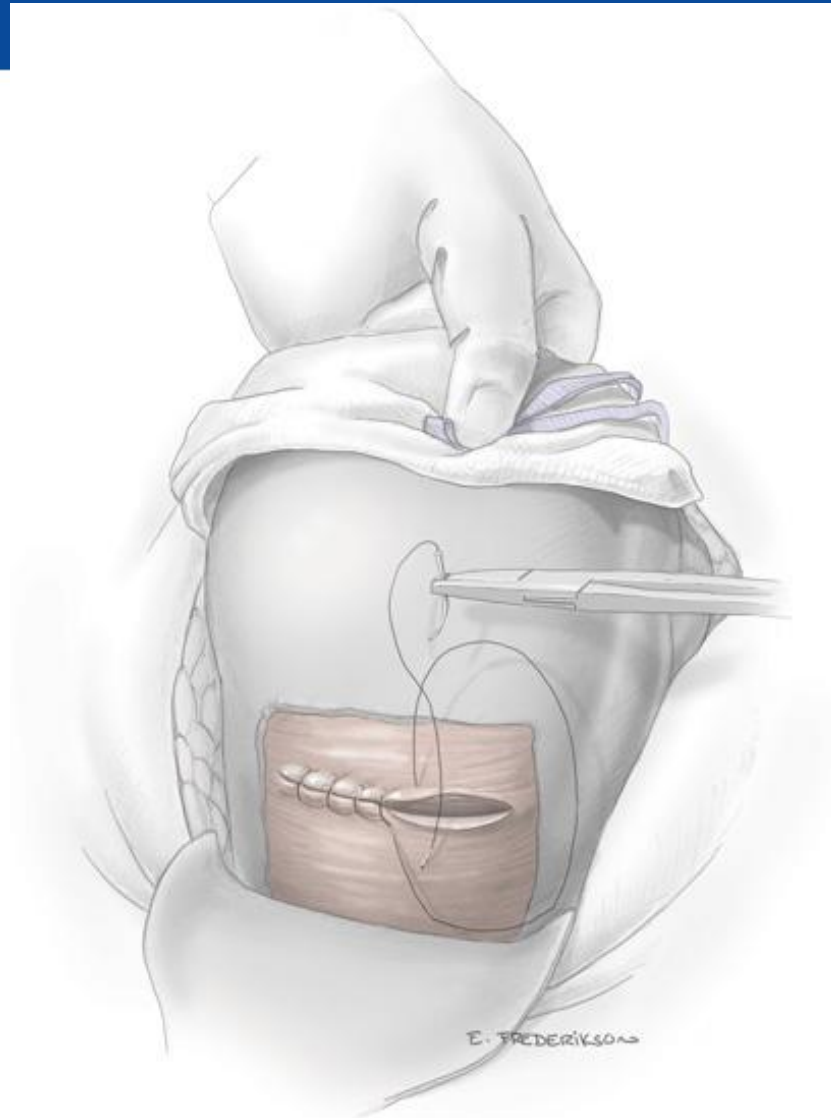
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spontaneous expulsion of the placenta with gentle cord traction



Source: Cunningham FG, Leveno KJ, Bloom SL, Hauth JC, Rouse DJ, Spong CY:
Williams Obstetrics, 23rd Edition: <http://www.accessmedicine.com>
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Closing abdominal wall

- When closing the abdomen after a CD, subcutaneous tissue is closed if its thickness exceeds 2 cm.



피하 지방 두께가 2cm 미만이면 피부만 봉합해도 됨

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제왕절개



- <https://www.youtube.com/watch?v=iuSPC5W4yfw>

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Classic Incision

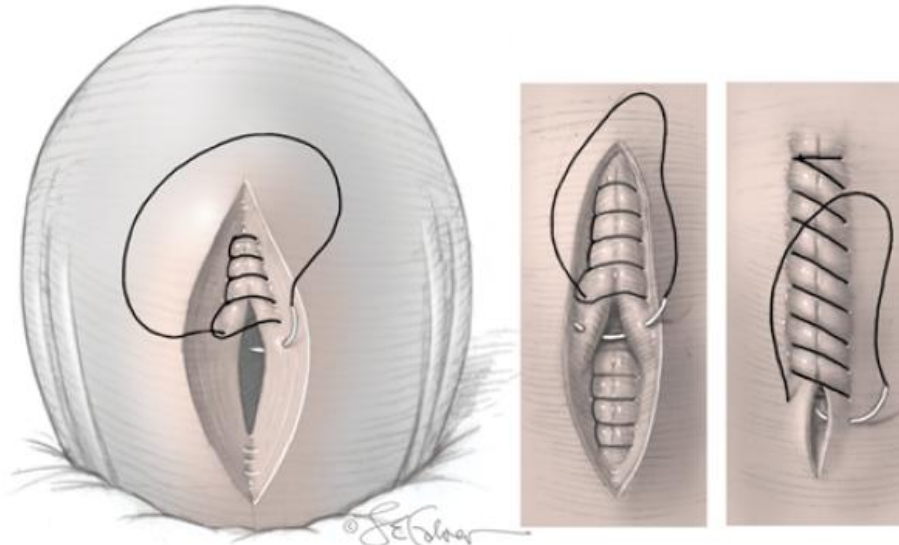
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2018. 4. 25.



Source: F. Gary Cunningham, Kenneth J. Leveno, Steven L. Bloom, Catherine Y. Spong, Jodi S. Dashe, Barbara L. Hoffman, Brian M. Casey, Jeanne S. Sheffield: Williams Obstetrics, 25th Edition
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자궁을 세로로 절개

Classical CD (vertical ut incision)



- Densely adhered bladder from previous op (심한 유착)
- Myoma occupies low segment of cervix (수술부위근종)
- Cervix invaded by cancer (자궁경부암)
- Massive maternal obesity (비만)
- Placenta previa with ant.implantation (전치태반)
- T- lie of a large fetus (횡위)
- Fetus is very small and low segment is not thin out
- Multiple pregnancy (다태아 임신)

Inverted T Incision

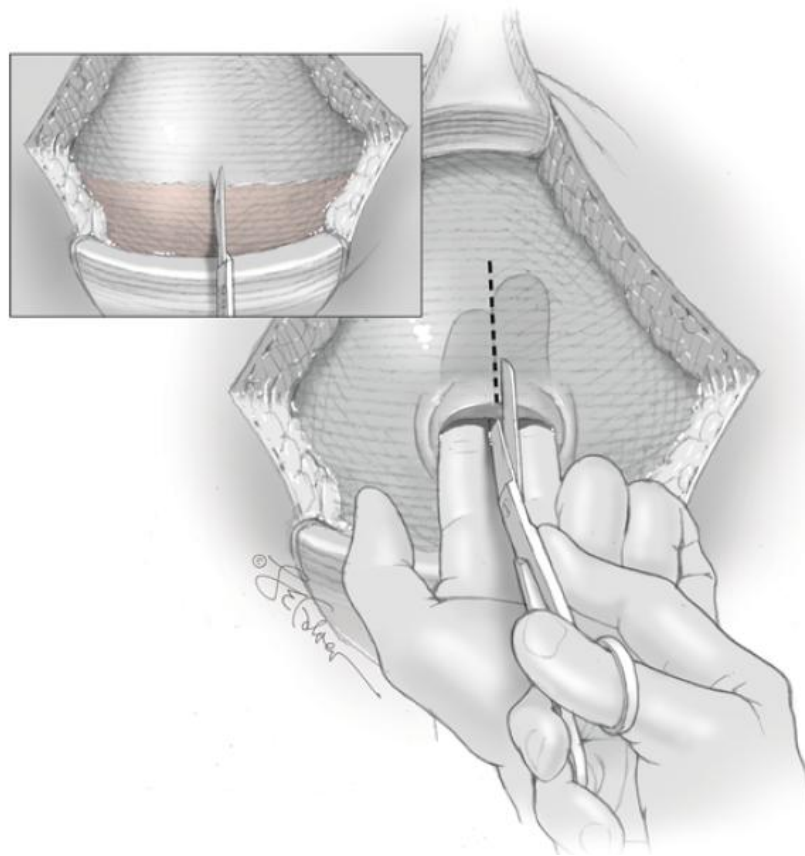
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2018. 4. 25.



태아가 잘 안 나올 때 (rupture의 위험)

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Uterine rupture (자궁파열)

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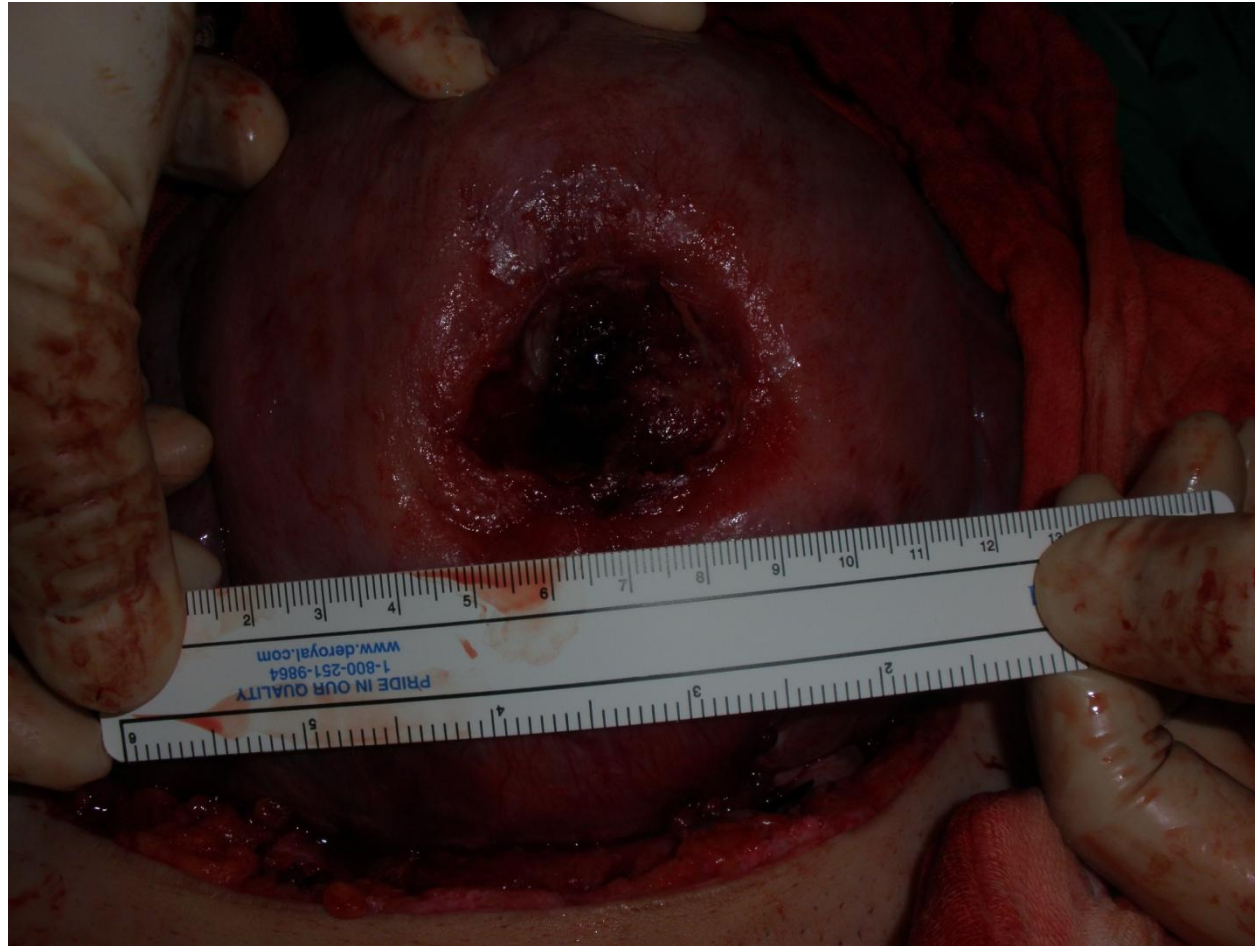


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자궁적출술 (hysterectomy)의 종류

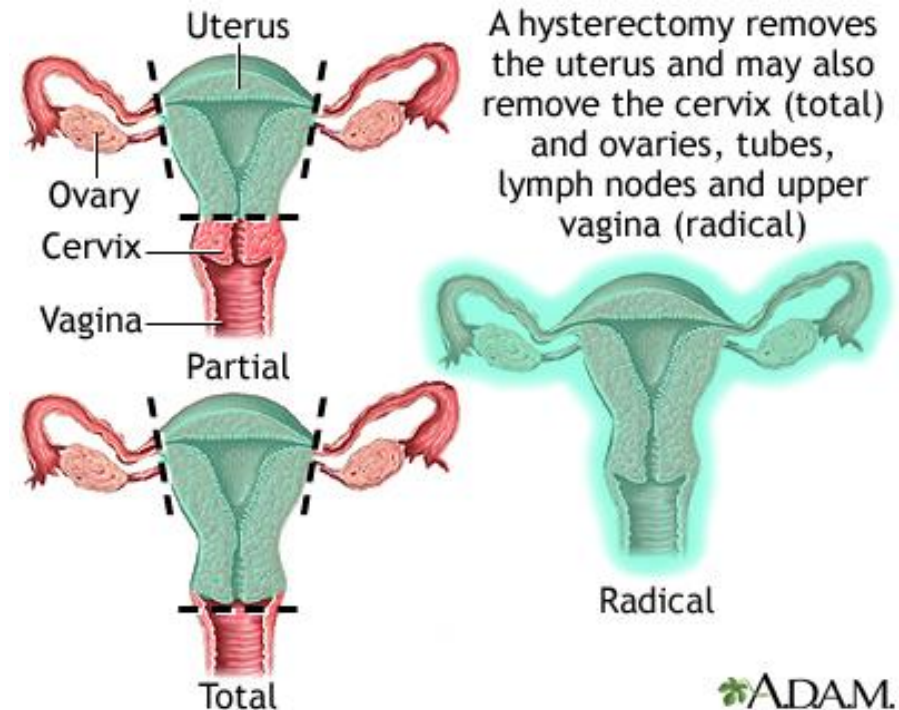
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1. 부분자궁적출술 (partial or subtotal H)
2. 전자궁적출술 (Total H)
3. 광범위자궁적출술 (Radical H)



From <https://medlineplus.gov/ency/article/002915.htm>

자궁적출술 적응증



1. 자궁 근종
2. 자궁경부상피내 종양
3. 각종 부인과적 암 (자궁경부암/ 자궁체부암/ 난소암 등)
4. 조절이 안 되는 질 출혈/ 생리통
5. 질탈출증 (비뇨부인과적 문제)
6. 조절이 안 되는 감염
7. 제왕분만 중 심각한 분만 후 출혈

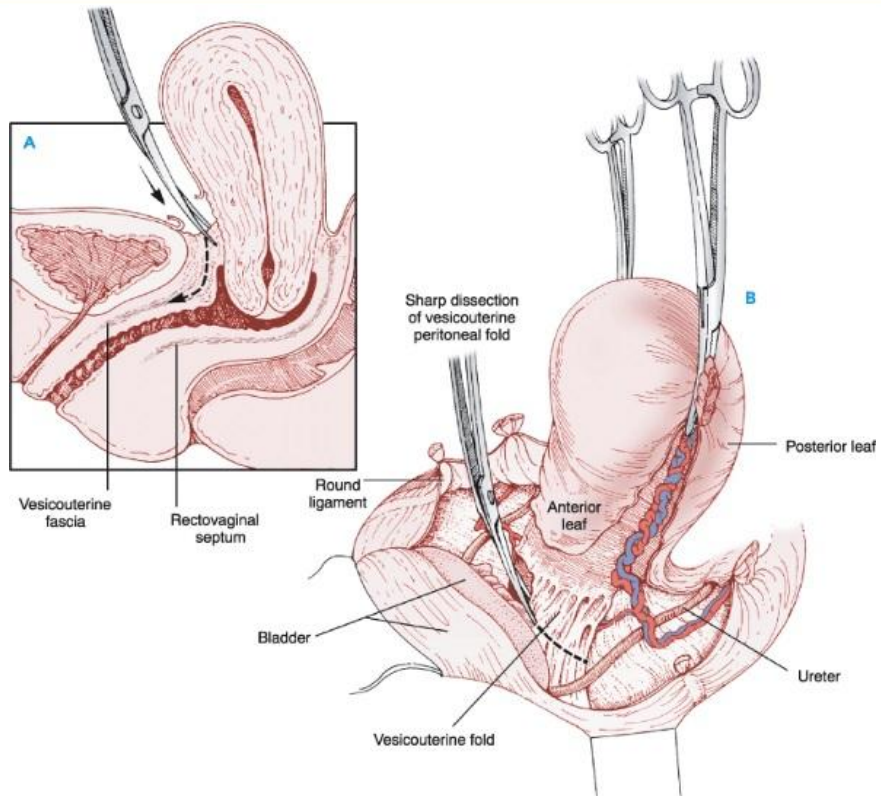
자궁적출술의 방법

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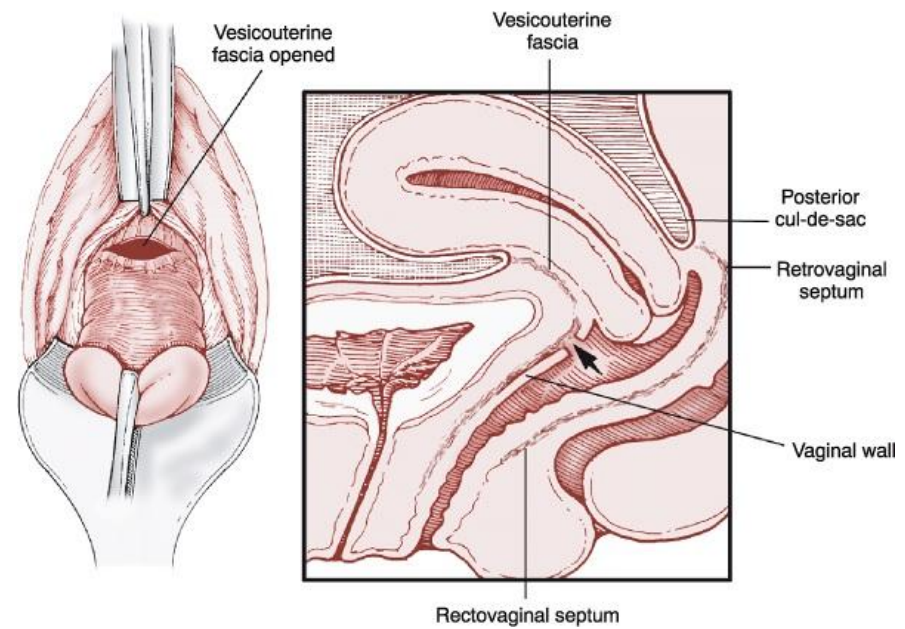
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Abdominal approach

Vaginal approach



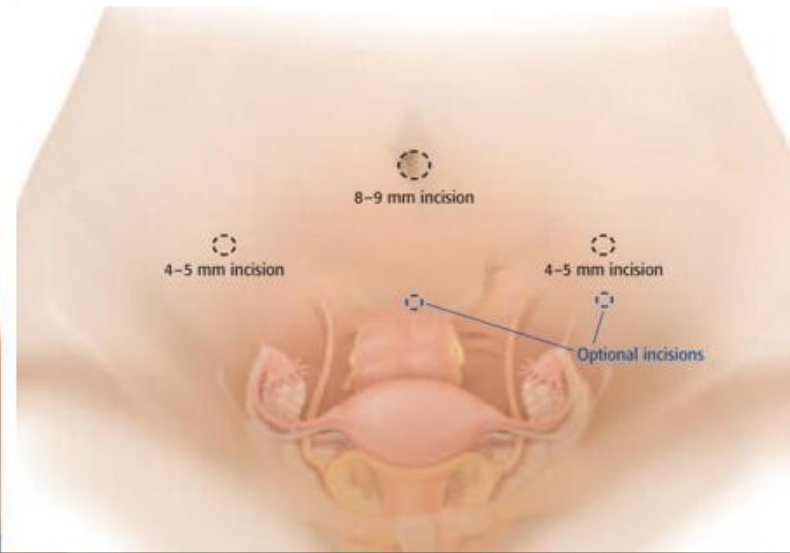
Conventional multiport laparoscope

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Single-port laparoscope

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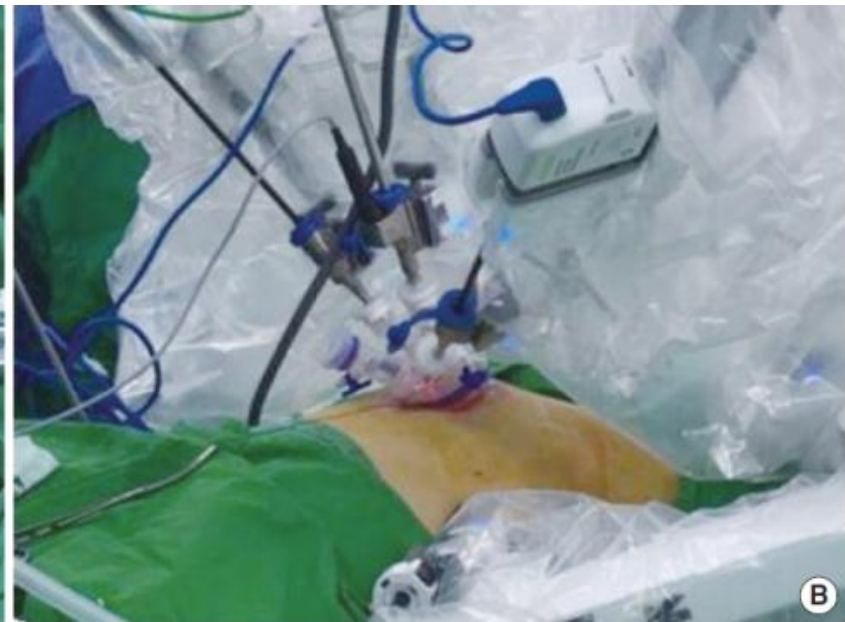
Robot Hysterectomy

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자궁적출술 부작용

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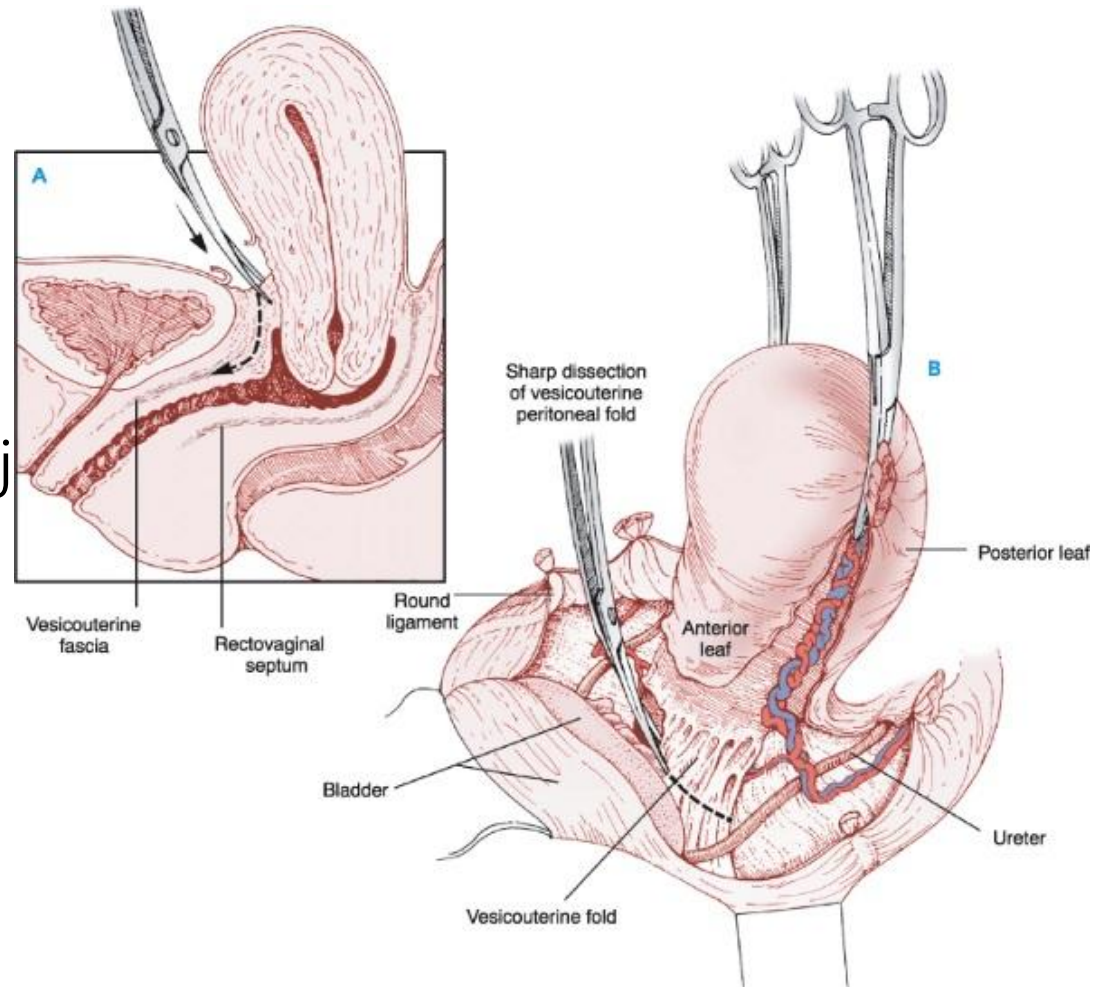
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수술 중 부작용

1. 방광 손상
2. 장 손상
3. 요관 손상 (ureteral inj)
4. 출혈



자궁적출 수술과정

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F/42

Uterus : 18 week size, adenomyosis and myoma



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수술 후 감염

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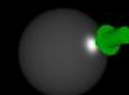
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1. 상처 감염
2. 마취과 관련 감염 (무기폐/ 폐렴)
3. 요로감염
4. 골반감염





41Hz 2000
B48°/V55°/ 7.6cm
Routine OB
Series Date:
Contents Date 2020-08-27
Mix 0/100
CRI 2/V-SRI 4
3D Static



C128
W256

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raksumi10@gmail.com

blog.daum.net/darinlirin (다린이 아빠)

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