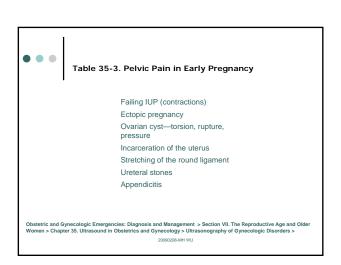
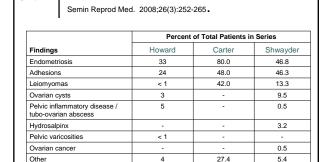


#### Gynecologic Concepts: Pelvic pain GASTROINTESTINAL REPRODUCTIVE Appendicitis Inflammatory bowel disease Ectopic pregnancy Intrauterine pregnancy Pelvic inflammatory disease Tubo-ovarian abscess Irritable bowel syndrome Constipation Gastroenteritis Ovarian cyst Diverticulitis URINARY TRACT Hemorrhagic functional cysts Ovarian torsion Cystitis Pyelonephritis Mittelschmerz Dysmenorrhea Nephrolithiasis Endometriosis 20090208-MH WU





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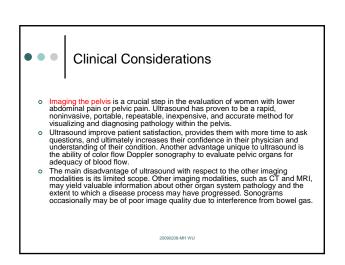
Negative

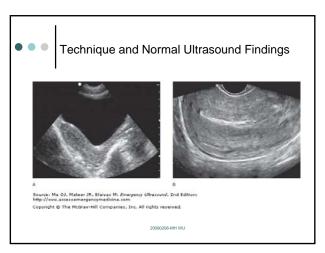
Surgical Findings in Patients with Pelvic Pain

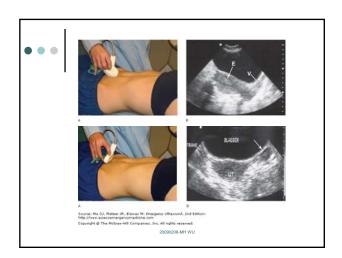
**Ultrasound in Diagnosing Adnexal** 

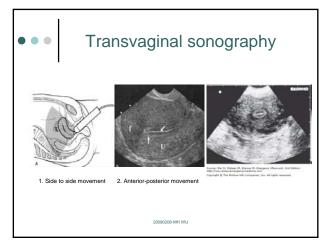
Masses in Patients with Pelvic Pain

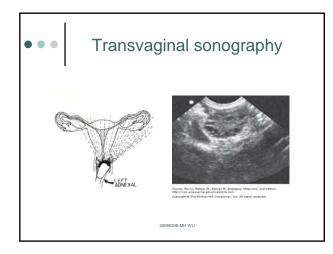
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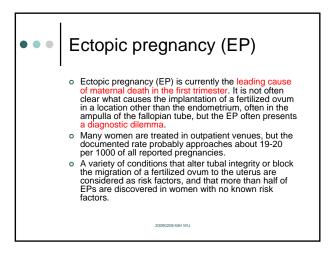


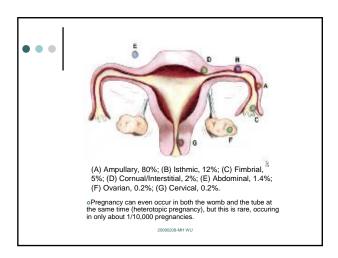








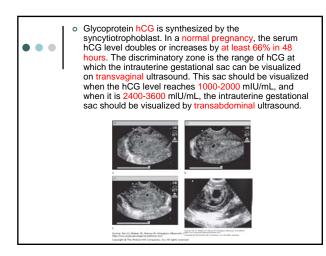


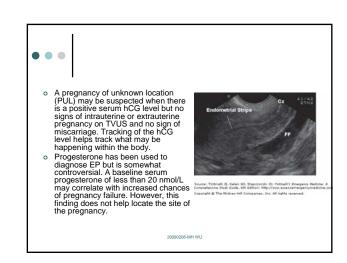


There is frequent misdiagnosis of EP on the initial emergency department visit. The differential diagnosis includes appendicitis, spontaneous abortion, ovarian torsion, pelvic inflammatory disease, ruptured corpus luteum or follicular cyst, tuboovarian abscess, and urinary calculi.

An EP may be discovered up to the time of delivery; however, the most common gestational age at time of diagnosis is 6-10 weeks.

The classic triad of symptoms for EP includes abdominal pain and vaginal bleeding after a period of amenorrhea. Clearly, these nonspecific findings may also be seen in other clinical situations.

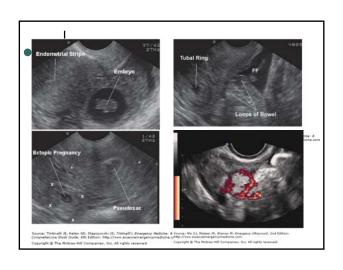




### Ultrasound finding

- TVUS is employed as a diagnostic strategy for EP in clinically stable women.
- The diagnosis is made by visualization of an adnexal mass by TVUS rather than by the absence of an intrauterine gestation on scan.
- If the TVUS is not diagnostic and there are falling hCG levels, a diagnostic dilation and curettage (D&C) may be required. The presence of chorionic villi will differentiate an EP from a spontaneous abortion.

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## Medical management of EP

- Medical management following early diagnosis of EP may allow conservation of the fallopian tube when it is involved. In specific conditions, methotrexate may be used as a pharmacologic resolution to PUL.

   Methotrexate is a folic acid antagonist that interferes with DNA and RNA synthesis. It may selectively destroy cytotrophoblasts at the implantation site. The body then reabsorbs the remaining products of concention.
- Failing this, surgical laparotomy with removal of the involved tube has been both diagnostic and treatment for EP.

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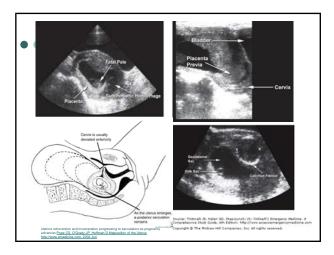
The classic treatment of tubal pregnancy is salpingectomy at laparotomy to remove a ruptured and bleeding tube -- life preservation

. . .

- Laparoscopy is the only technique that enable diagnosis, management and assessment of prognosis at the same time
- Conservative laparoscopic surgery is now considered to be optimum treatment for ectopic pregnancy -preserve fertility



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**Abnormalities** 

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Common and Emergent

#### 青少年經痛

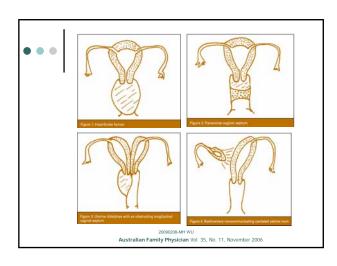
- 月經疼痛是青少年時期女性最常見的婦科症狀 (約72%青少女有經痛的症狀)
- 青少年時期經痛通常是原發(功能)性的,而且與 正常月經週期有關,但是沒有骨盆腔異常病變
- 約有10%青少女有嚴重月經疼痛的現象,此時需要排除子宮內膜異位症或是子宮異常的情形

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#### → 子宮先天異常與青少年經痛的關係

- 尤其是初經來潮前嚴重腹痛(可能是週期性)時要 特別排除阻塞性子宮先天異常現象
- 約11%有子宮等生殖道先天異常的青少女伴隨有 子宮內膜異位症的情形

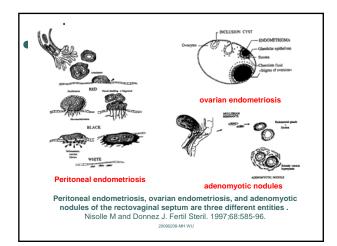


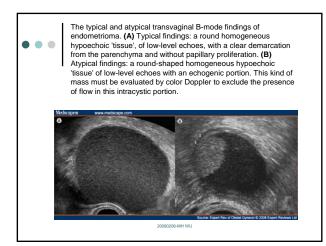


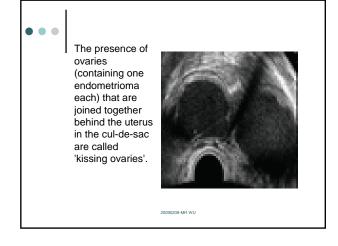
# 次發性經痛

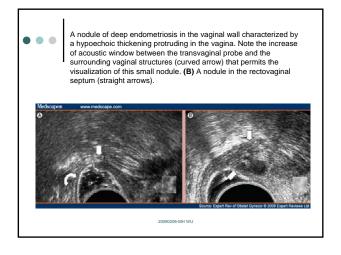
- 次發性經痛通常與骨盆腔內異常有關
- 成年人較青少年時期常見,例如子宮內膜異位症或肌瘤
- 常伴隨慢性骨盆腔疼痛,月經週期間疼痛,月經 量增加或性交疼痛

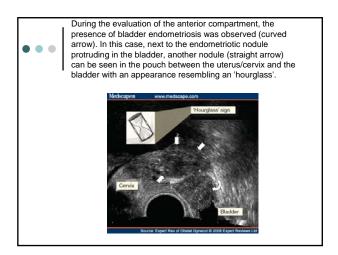
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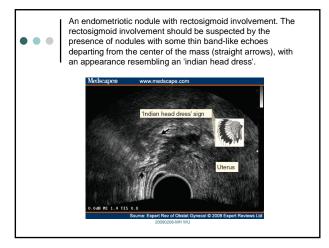


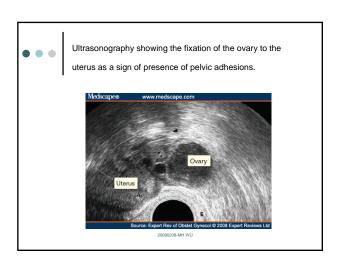


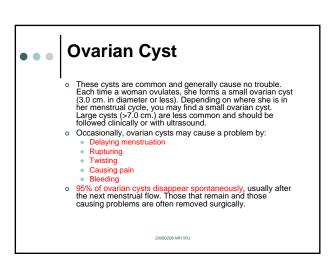


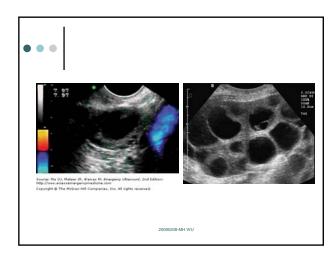


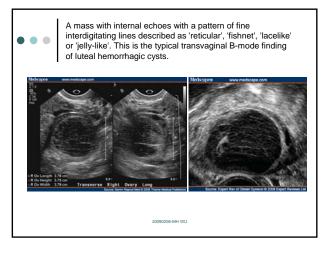




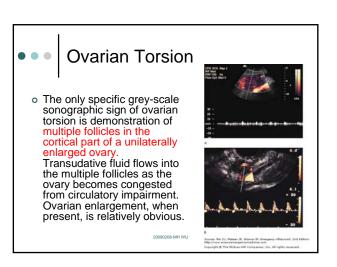


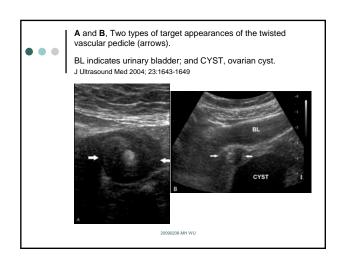


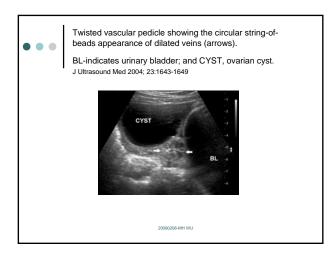


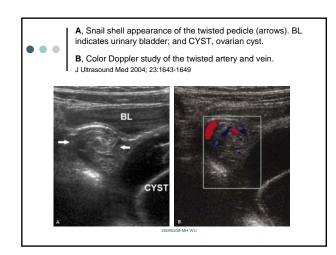


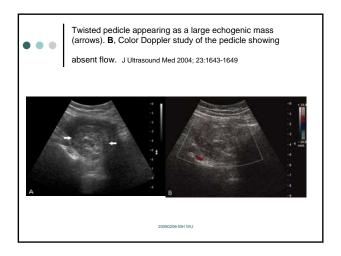


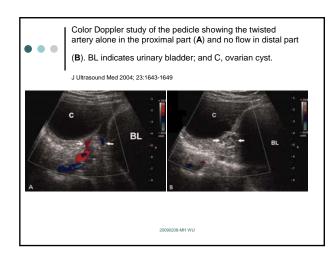


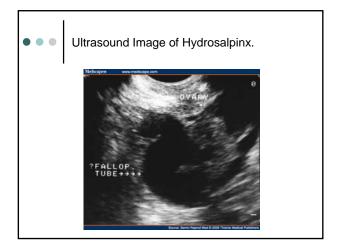












B-mode ultrasonography of hydrosalphinges. (A) An elongated shaped mass with incomplete septa (curved arrow) is related to the presence of a hydrosalpinx. (B) Another elongated shaped mass presenting hyperechoic mural nodules measuring approximately 2-3 mm, called 'beads-on-a-string' (straight arrow). (C) The waist sign', defined as indentations along opposite sides of the cystic mass (straight arrow) is another feature related to hydrosalpinx.



#### Fallopian tube torsion

- Fallopian tube torsion is an uncommon cause for acute low abdominal pain in women.
- Because it has no pathognomonic clinical symptoms or findings on imaging or laboratory studies, a history of current or previous pelvic pathologic conditions or surgery, as well as pregnancy, should draw the attention of the attending physician to its occurrence.
- Early laparoscopy is the reference standard in the diagnosis and treatment.

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Mature Cystic Teratoma(Dermoid), With a SomewhatBizarre Appearance.



