

Cystic ovarian lesion

Follicular cyst
Corpus luteum cyst
Ovarian endometrioma
Cystic teratoma
Tubo-ovarian abscess
Cystadenoma
Cystadenocarcinoma

Non-ovarian lesion

Lymphocele *Common*
Para-ovarian cyst
Hydrosalpinx
Endometrioma extra-ovarian
Lymphangioma
Ectopic pregnancy

Peritoneal ca *Less common*
Malignant mesothelioma
Appendiceal mucocele
Enteric duplication cyst
Leiomyoma cystic degenerated
Peritoneal inclusion cyst
Retrorectal develop cyst
Lymphnode cystic degenerated
LAM.

Mimics of cystic lesion

Ascites *Common*
Bowel
Pelvic varices
Abscesses other than TOA
Diverticulitis
Iliac aneurysm
Hematoma

Less common
Mucinous peritoneal carcinomatosis
Pseudomyxoma peritonei
extruded IUD
PCS of pelvic kidney
Pelvic echinococcal cysts

Possible neoplasm

● *Large size*

- While benign lesions can be very large, the likelihood that a lesion is neoplastic increases with size.
Also the likelihood that a neoplastic lesion is malignant, increases with the size of the lesion.

● *Vascularized septations*

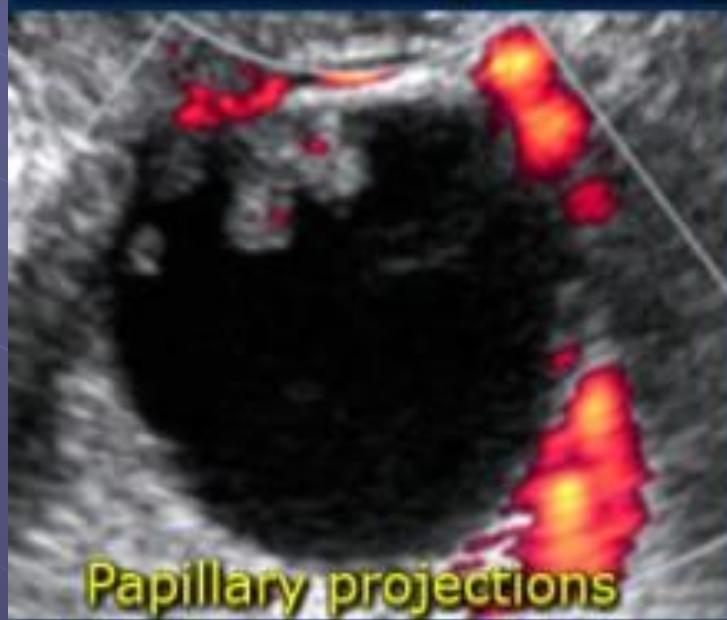
- The presence of septations indicates a possible neoplasm. When septations have a thickness of more than 3mm and are well-vascularized - while non-specific - both increase the likelihood that a *Vascularized solid components*
- neoplasm is malignant.
- Vascularized nodularities, papillary projections, or frank solid masses all increase the likelihood of a neoplastic nature.

● *Vascularized thick, irregular wall*

- Lesions with thin walls are more often benign and lesions with thick, irregular walls are more often malignant. However, there is some overlap, making wall thickness a less useful criterion. For example a corpus luteum cyst may also have a thickened, vascularized wall.

● *Secondary findings associated with malignant lesions:*

- Large quantities of ascites, lymphadenopathy and peritoneal deposits are strongly associated with an increased likelihood of malignancy.



Simple cyst



Hemorrhagic cyst



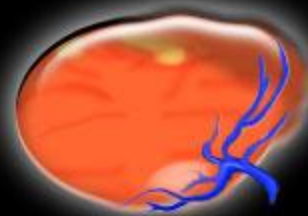
Endometrioma



Mature cystic teratoma

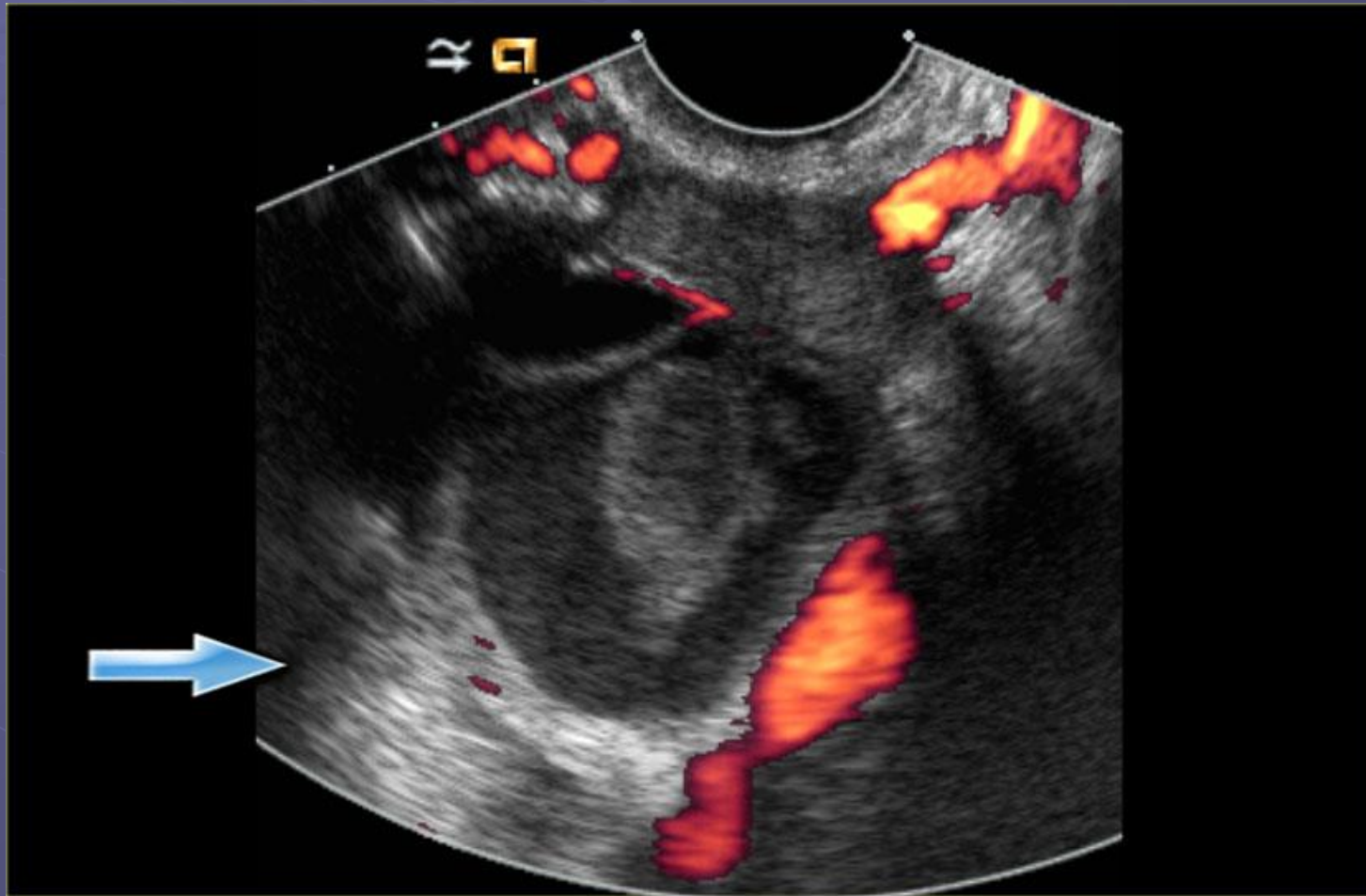


Any other cyst
possibly malignant

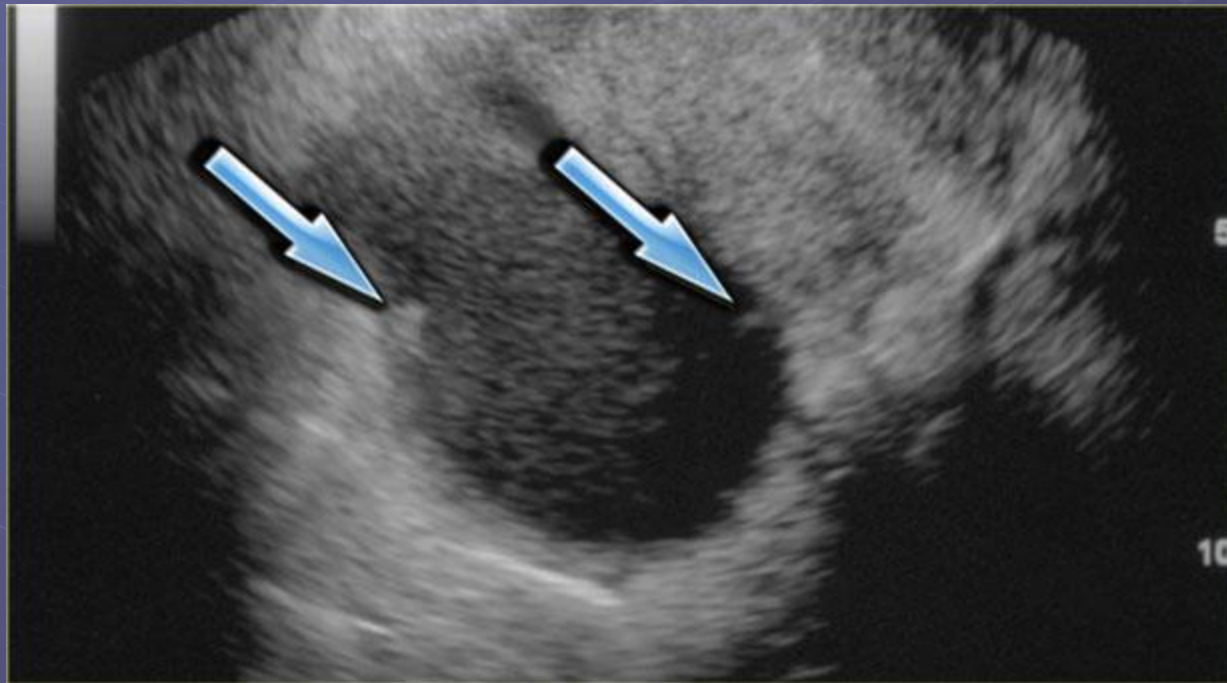


RS

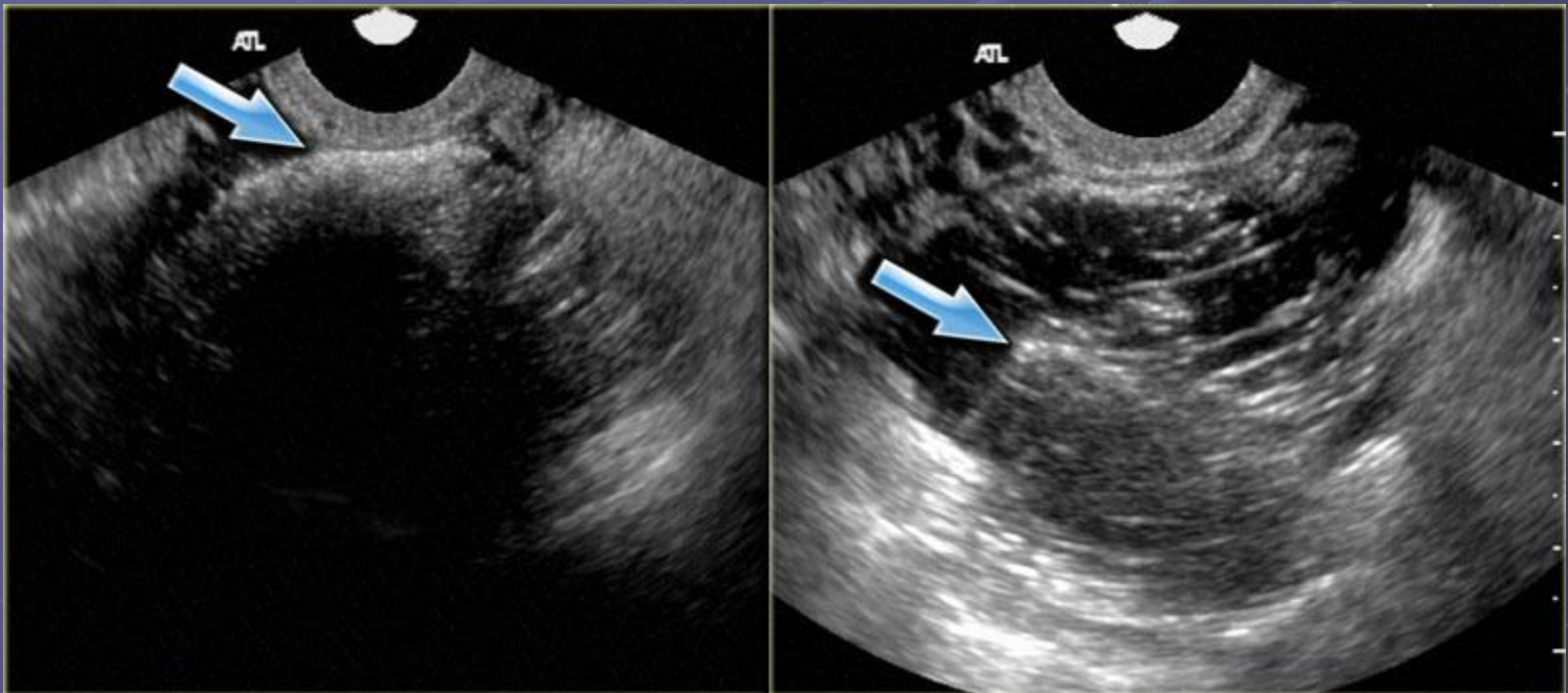
Hemorrhagic cyst



Endometrioma



Teratoma



Low Risk

Simple cyst *diagnostic approach*

High Risk



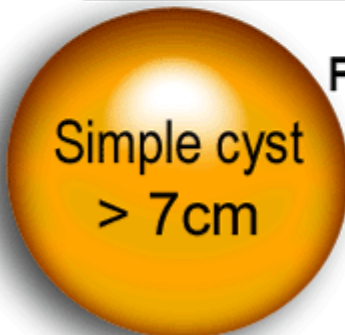
Done. No FU
Do not mention



Done. No FU
Mention in report:
almost certainly benign



Yearly FU with US
until resolved
Mention in report:
almost certainly benign



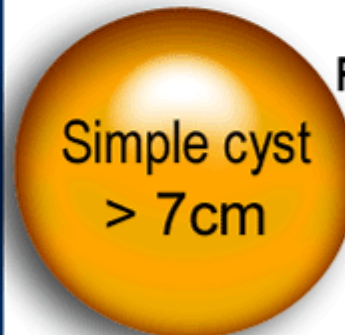
Further evaluation
with MRI or
surgery



Done. No FU
Do not mention



Yearly FU with US
until resolved
Mention in report:
almost certainly benign



Further evaluation
with MRI or
surgery

Low Risk

Hemorrhagic cyst *diagnostic approach*

High Risk



Done. No FU
Not mentioning
in report is o.k.



Done. No FU
Mention in report:
almost certainly benign



6-12 week FU with US
resolved → done
unchanged → MRI



In early menopause:
6-12 week FU with US
resolved → done
unchanged → MRI



In early menopause:
Further evaluation
with MRI or surgery



In late menopause:
Further evaluation
with MRI or surgery

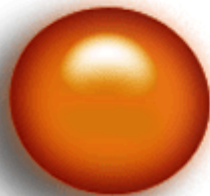
Low Risk

Endometrioma

diagnostic approach

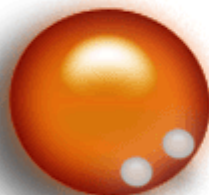
High Risk

*without echogenic foci
may be hemorrhagic cyst*



6-12 week FU with US
to rule out hemorrh cyst

*with echogenic foci
likely endometrioma*



Yearly FU with US
or surgical removal

*without echogenic foci
may be hemorrhagic cyst*



6-12 week FU with US
to rule out hemorrh cyst

*without echogenic foci
may be hemorrhagic cyst*



Further evaluation with
MRI or surgical removal

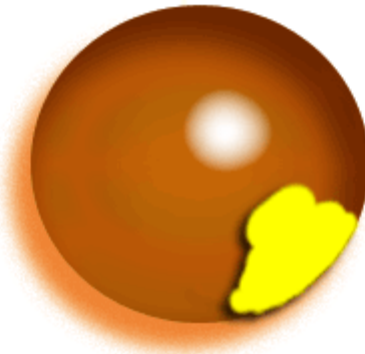
*with echogenic foci
likely endometrioma*



Yearly FU with US
or surgical removal

Mature cystic teratoma

diagnostic approach



Dermoid < 7 cm



6 - 12 months FU with US
until resected.

If not resected, continue FU (yearly?)

