



* Uterine Diseases * Diseases.

Encometrium T

()Endometritis

*inflammation of endometrium

*Causes &-

- -Infections, Pelvicinf-disease (PID)
- miscarriage or delivery. Intrauterine device (IUCD)
- * Could be acute on chronic

* Symptoms:

- fever abdominal pair a menstrual abnormalities, infertility and ectopic pregnancy due to damage to the fallopian

*Treatment

-Removal of course - Anti biotics -D&C

2) Adenomyosis

- endometrial stromas glands or both embedded in myo metrium.

- Thick uterine wall - enlarged uterus.

- Derived from stratum basalis so no cyclical bleeding

- Menorrhagia and dysmenorrhea due to enlarged uterus, uterine contractions are exaggerated.

(3) Endornetriosis

-endometrial stroma and glands outside the uterus (not cancer)

-10% in reproductive years of Infertility - Dysmenorrhea opeluic pais peluic mass

Filled with blood "chocolate cyst" -multifocal in pelvis (ovaries spouch of Douglas - uterine ligaments - tubes & recto vaginal septum).

- Sometimes distal sites (LN-lungs umbilical

- 4 theories for Pathogenesis 8-

(nost accepted) Menstrual backflow through tubes 8 implantation

@ Metaplas Lic theory: Endometrial differentiation of coelomic epithelium.

3 Vascular or lymphatic dissemination theory explain extrapeluic or intranodal implants.

(1) Extrauterine stem/progenitor cell theory circulating stem cells from BM differentiate into endometrial tissue.

*Contains functionalis stratum so cyclic bleeding occurs consequences: fibrosis-sealing of tuboul fimbriated ends and distortion of the ovaries.

* Diagnosis: 2 of 3 features: Dendometrial strong O Endometrial glands 3 Hemosiderin Digment-

(F) Endometrial hyperplasia

-Prolonged or marked excess of estrogen relative to progestin causes exaggerated proliferation and way brogress to cancer.

-Risk Factors 8,-*Obesity * DM * HTN * intertility * prolonged estrogen replacement therapy * Estrogen secreting ovarian tumors.

-Severity is based on architectural crowding and cytologic atypia ranging from OTypical hyperplusia 1 Atypical hyperplasia. (201 risk of cancer).

5) Bening endo. polyps

- Sessile or pedunculated - Endometrial dilated glands with small muscular arteries and fibratic strang -no risk for cancer

6 Endometrial cardinomica

-The most common cancer in female genital tract.

-5018 60s.

-2 clinical forms:

Oferimonopausal women with excess estregen Type I concer = prototype is "endometricid".

②Older women with endometrical attophy . Type 2 cancer = probtype is "Serous corcinoma"

* Endo metricid*

-similar to normal endometrium.

-Risk factors:

*Obesity * DM * HTN * infertility

* Prolonged estrogen replacement therapy

* Estrogen searching ovarion humais.

* Pre concerous lesion is " Atypical endometrial hyperplasia"

Kmutations in: OPTEN QDNA mismatch repair genes

* Prognasis depends on stage

5 year survival: stage 1: 90% stage 384:40%

* Serous Carcinoma *.

- no relation with endometrial hyperplasia

-not harmone dependent.

-mutations in P53 tumor supressorgers

* Prognosis depends on operative staging with peritoned cytology.

- Worse than endometricial &

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My melanger * + tumors *

الباق الرقع

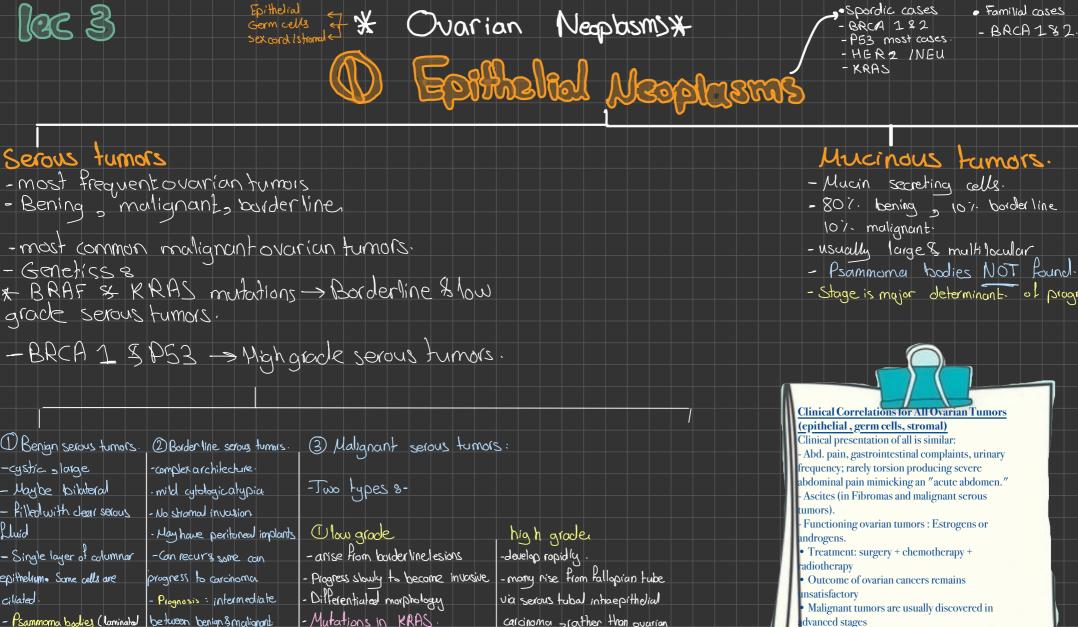
1 Lieonyoma = fibroids

- -Benign tumor of smooth muscle cells.
- -most common bening tumor in females
- (30 50% in reproductive life)
- estrogen dependent shrink ofter manapuse
- -circumscribed, firmgray-white mases
- with whorled cut surface
- location: intra mural o sub mucosal or subserosal
- -may develop hemorrhage scystic change or calcification
- -Clinically: asymptomatic or symptomatic omenor hagia
- dragging sensation o anemia ... etc.
- Never transform to Sarcoma.
- Presence of multiple lesions doesn't increase risk of malignancy...

2 Lieosarcoma

- -malignant counterpart of licomyoma
- NOT from preexisting Geomyomen
- hemorrhagic snecrotic sin Filtrative
- Diagnosis = 10 coagulative necrosis
- Ocytologic Atypia
- 3 Mitotic activity
 - -Recurrence common 8 metastasire
 - 5 Year Survival rate = 40%

cries but in a



calcinoma scouther than ovarian

- Anaplesia of cells & invasion of

-Prognasis Poor, depends on stage at time of diagnosis.

coelomica epithelium

the stroma

- Mutations in TP53.

- Psammoma bodies (laminated

calcifled concretions) are common in

tips of papillae of all serous tumors

By: Noor Almomaní

between benign&mulionant

- Survival with periloneal

metastases = 75%

Mucinous tumors.

- Mucin secreting cells.
- -80% bening 3 10% borderline
- usually large & multilocular
- Psammomer bodies NOT found.
- Stage is major determinant of prognosis

Clinical Correlations for All Ovarian Tumors

- Abd. pain, gastrointestinal complaints, urinary abdominal pain mimicking an "acute abdomen." - Ascites (in Fibromas and malignant serous

- Malignant tumors are usually discovered in dvanced stages
- survival minimally improved since 1970s.
- No early Screening methods are yet available

(2) Germ an Trimuls - Types according to different intion:

* Dysgerminama , embryonal curcinoma byok sactumor, choriocourcinomas Teratoma

Benign (mature) cystic devatoma - 15-20% of ovarian tumois - many discovered incidentally

- 90% unilateral

, - cyst filled with sebacoas secretion of hair bone and cartilage; epithelium, or reeth

> - 790 % are benign mature cystic teratoma... immature is rare.

La-Torsion (10% to 15% of cases)

Germ cell and sex cord-stromal cell tumors

- less frequent
- constitute 20% to 30% of ovarian tumors
- collectively responsible for less than 10% of malignant tumors of the ovary (so many pf them are benign)

* Pothology of fallopian tubes *

DEctopic Pregnancy

- implantation of the fertilized ovum outside uterus
- Incidence 17
- 90% of cases occur in fallopian tubes
- Other sites: ovaries abdominal cauty
- Predisposing factors: Tubal obstruction (50%), PID Tumores endometriosis , luco.
- In 50%: no anatomic course can be demonstrated





Early: development of embryo and placental tissue Later: placenta burrows through tubal wall causing intratubal hematoma and intraperitoneal hemorrhage and intraperitoneal hemotoma (handi intraperitoneal hemorrhage). Rupture: intense abdominal pain (acute abdomen), often followed by shock Prompt surgical intervention is necessary.

2) Tubal malignancies

- -most common histologic type is serous carcinoma
- maybe the origin for many overian high grade serous carcinomas.
- Serous Tubal Intraepithelial carcinoma (STIC) in fimbriated ends . Pallopian tubes
- Increased in women with BRCA mute
- Fallopian tube carainomas frequently spread to omentum and peritoneal cavity at time of presentation (advanced) because of their access to peritoneal cavity