

ANATOMY.

Pelvic bones - sacrum (S.E) coccyx (4E) 2 innom./ileum, ischium, pubis)

Floor - Levator Ani - forms main part of floor. Pecten-coccygeus.

Female Gen. System.

External: Labia majora & minorum.

BARTHOLIN'S Glands.

Clitoris

Vag. & Perineum.

Hymen.

Mons.

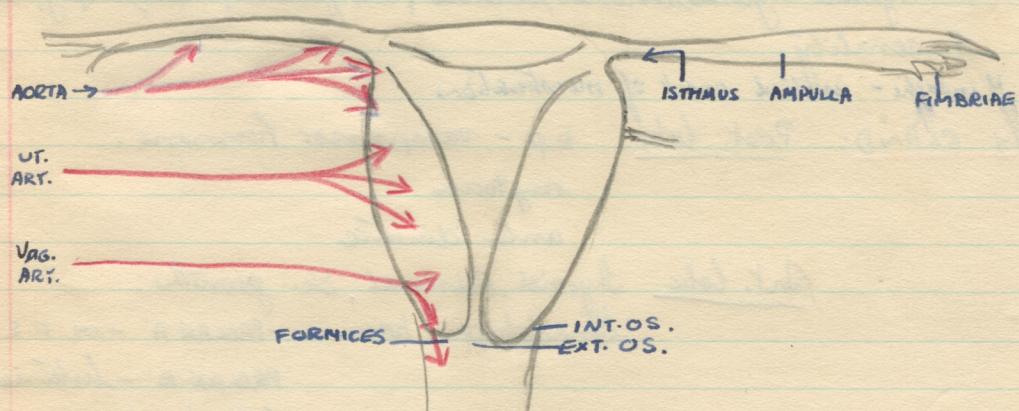
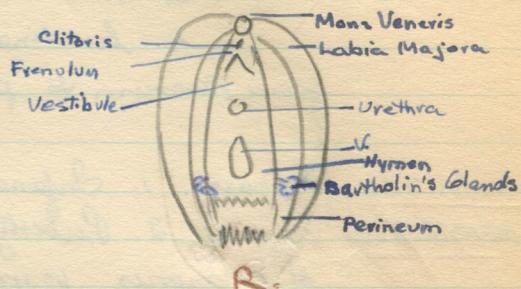
Internal : Vagina

Menses - Fundus \approx $3 \times 2 \times 1$. Perimetrium, myo., Endometrium - then peritoneum.

Fallopian tubes - ciliated epithel. = Fimbriae, ampulla & isthmus

Ovaries - smooth, almond-shaped in maidens, cystic in old ladies.

2 sections - cortex (arum); medulla (egg cell maturing here).



Blood Supply: 1. Ovarian artery - from Aorta.

2. Uterine arteries - internal iliac.

3. Vag. artery - inf. vesical art. (from int. iliac) } drain to corresp. veins.

L. ovarian vein drains to L. renal vein, R. llo. vein drains to Inf. Vena Cava.

Ligaments: 1. Indirect support - Levator Ani muscles.

2. Direct - 4 liggs. -

1. Broad ligament - fold of peritoneum - from side of pelvis & envelops whole of ut. & tubes - encloses them. contains ovarian artery.

2. Round ligament - through inguinal canal from sides of uterus, and inserted into labia majora.
3. Ovarian ligament - from ovary to ut.
4. Cardinal ligament (or Lateral sacral or Uterino-Veical ligament) from sacrum to pubis.

OVULATION + 5 phases.

MENSTRUATION

1. Infancy & childhood.

2. Puberty - normal growth, growth of local sex hormones. Onset of hormones (13 yrs.) glands - pituitary - act on ovaries.

3. Maturity - ovulation.

4. Menopause (45-46) 2-3 yrs. for process - ovaries cease - no hormones loss of function. ^{Beetle} - there's nothing regular about the manner in which she loses" temperament. Sympathetic nervous system - hot flushes. genital organs, ovaries, sclerose, ut. fibrous, breasts atrophy, lose hair.

5. Senility.

Menarche - initial onset of menstruation.

PITUITARY GLAND: Post. lobe. b.p. - vasopressor hormone.

oxytocin

anti-diuretic

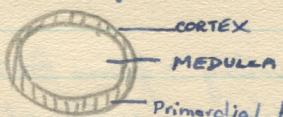
Ant. lobe Thyroid, Adrenal, etc. growths.

Gonadotrophic hormones - PROLACTIN A - or F.S.H.

PROLACTIN B - luteinising hormone.

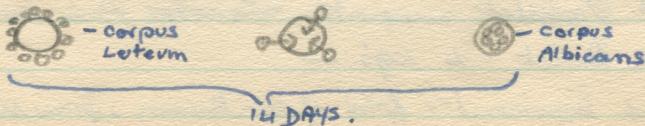
F.S.H. to influence growth & development in follicles of ovaries - see

sagittal



Primordial Follicles Develop into Graafian Follicle when developing.

If ovum fertilised, corpus luteum keeps on growing for 12 weeks, then disintegrates.

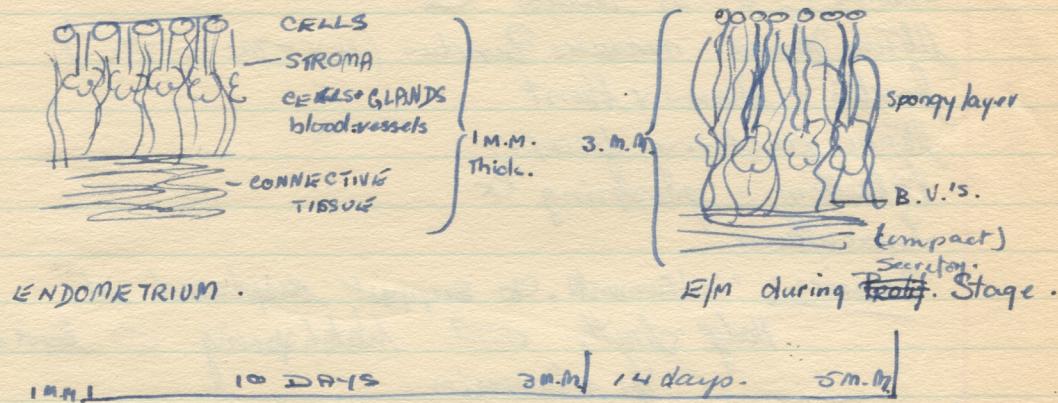


Corpus Albicans - 10 days to extrude ovum - if ovum not fertilised - 14 days to form corpus albicans.

Ovaries produce 2 hormones

1. Oestrogen (produced by follicles)
2. Progesterone - produced by corpus luteum. - both act on endometrium.

Oestrogen produces proliferative phase on endometrium, progesterone produces secretory phase.



Endometrium 5 m.m. high at end of secretory phase. No more formation of progest. when c. albicans disappears, then spasms of endomet. and oedematous thickened congestion of blood vessels. Demarcation between spongy and basal - shed layer - menstrual - approx. 4 days.

Menstruation - material loss of mucus - blood - degenerated lining of ut.

When ovary fertilized - c. luteum keeps producing for 12 weeks - juicy spot for ovum to land in - the corp. lute. ceases, then placenta develops - and continues job of c. luteum.

75% - 28 days. 5% completely irreg. 20% vary 24-32.

Discomfort varies - Periodically - mild discomfort to nausea
or incapacitating pain - dysmenorrhoea.

Time of loss: usually 4 days - 2-8 days maybe.

Amount: 6-8 g - first 2 days loss heaviest.

Mucus from glands, blood, then mucus.

Graafian Follicle - oestrogen.

Corpus Luteum - progesterone.

Oestrogen stim. endometrium to repair & build up after George.
Progesterone - stem.

INSTRUMENTS.

Duward Speculum - Vag. Op's

Sims Speculum - Sm. of Vag.

Duckbill - Busco's.

Terguson's 

Dilators - 3-21 dilate C

Uterine sound - measures fundus ($4V - 30 = 7\frac{1}{2}$ "")

Burettes - sharp & blunt

Uterine packing forceps.

Vulsellum - grasping C

Senaculum

Pessaries: "instruments to support displaced ut."

Hodge Smith  Watch spring  buy & Stein old does not up to opn.
for retroversion

Watchspring-pulcanite outside - spring inside - maybe rubber or plastic.

Burette for - Removal of retained products of incomplete abortion.

Diagnostic.

L. of dysmenorrhea. (rare)

To insert Pessary - Sterile Trolley.

Bowl - wool swabs

-- Dettol 1:40 (2½%) or Zeph. 1:1000.

Sponge-holding forceps.

Vag. Speculum - Sims.

Vulsellum.

Bowl, assorted pessaries (soaking in Dettol) - st. by boiling.

S. lubricant - glyc., port. or Dettol cream

K.D. for used swabs.

Dressing towels. - Sterile gloves (correct size)

Phys. Explain to patient.

Empty the bladder (patient)

Position: Sims or dorsal.

P. stands on floor after insertion to test if fitting well & comfortable.

Advice to P.: Any discomfort - displacement or vag. discharge - report to Doc.

Gynaecology.

Report back in 3 months to change pessary. May be left out for a week before new one inserted.

Positions for Gyna. Ops

Lithotomy
Trendelenburg's.
etc.

16.4.57.

CONCEPTION.

F. ovum - largest cell in body - nourishes embryo till it reaches ut. - 4 days.
M. sp. from ov. - 50 million in bag. deposited - only one fertilizes.
ovary gonadotrophin

- 5 occur:
1. normal oogenesis
 2. patent genitalia above ut. (ie. no constrictions in Fallopian's)
 3. " " below ut.
 4. normal spermatogenesis.
 5. TIME - sperm deposited at time of ovulation (10 days after end of last period).

STERILITY.

(10% m.s.t. after 30yrs)

Female local causes preventing ovulation - vag - imperf. hymen.

stricture of vag.

ut - inflam. of endomet. preventing ov. living.
- retroversion fibroids.

tubes - 70% st. in tubes - blockage.

ovary - constitutional - qu. dis. Dg, Tb, An. Obesity.
Psychic

Male - local & constitutional.

Normal conception occurs when ovum lodges at high back of ut.
Tubal polyp. in tubes - ovarian polyp.

DYSMENORRHOEA.

occurs in 5% females. - painful or difficult menstruation.

2 types - PRIMARY - dys. occurring in young patient - just begun menstruating or near menopause (when ov. disturbed) gets better when woman gets older - fading away.

S.P.S. similar to that of mimetic childbirth - pain ↑ ut. - over to iliac fossa.
- 3-4 days want onset then first few days off

DYSMENORRHOEA. Primary, cont'd) Sr. Prophylactic - educating girls in theory of function (no need to worry)
Constitutional - encouraged to take exercise.

Local heat to abdo. (L.W.B)

Sympathetic pain eg. habit forming drugs - A.P.C., codein, etc.

Endocrine - suppress ovulation - give oestrogen, etc.

Op. - dilation of Co.

Injection of alcohol into Sacral Plexus - straske.

SECONDARY - painful - assoc. % organic disease

e.g. ov. cyst, ut. fibroid.

ST. due to actual lesions. I.e. of cause.

endometriosis, ch. salpi.-oophritis, stenosis of Canal.

MITTELSCHMERZ or ovulation PAIN - sharp pain felt at ovulation during middle of period due to ovum popping out of ovary into tube.

PRE-MENSTRUAL TENSION - syndrome assoc. w/ loss of appetite, nausea, swelling of abdo., etc.
1-2 weeks pre-menstrually. Due to retention of sodium chloride & water in the body.

1. salt-free diet 4 days avant period.

2. limited fluid intake avant period (20 Daily)

3. Diuretics - ammon. CHLOR. - i.e. 6 hly. for week avant.

ABNORMAL

BLEEDING.

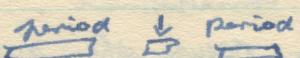
Hemorrhagia - excessive blood loss at menses.

Metrohagia - inter-menstrual periods (between p's)

Oligomenorrhagia - v. small loss.

Hystomonorrhagia - symptoms, but no blood.

Ovulation bleeding.

1. Ov. Bleeding -  uncommon. No tr. nec.
2. Mono + Metro.

Causes. a. Anatomical - concerned c. genitalia - Vag. to Ov. X d.

Common causes - Vaginitis Polyp or V. Ce., Cerv.,

Infiltration, Co. polyp.; ut. fibroids, Ca Fundus, endometritis salpingitis, tumours ovarian cysts, etc. etc.

b. Constitutional - faulty - pneumonia, blood diseases - leuk.

Chronic - ch. ill health, Db., Tb.

ABNORMALBLEEDING.

o Functional - concerned w/ endocrine upsets -
Pituitary action on ovaries & w/ Adrenals, Thyroid, Parathyroids. Only functional if there are no anat. or constit. diseases.

Investigations - bleeding excessive? - pale, anaemic, shocked, etc.
any anatomical cause or const. cause.

o General examination.

Pelvic exam.

R.U.A. if ↑ unsuccessful.

Biopsy of any suspicious area - spec. of Ca or D & C. (w/)
Laparotomy.

CRYPTOMENORRHAGIA.

Congenital abnorms - Stricture of vag.; imperf. hymen.

STS. Sense of fullness in abdo. & perineum & rectum discomfort
P.V. - boggy mass of blood.

Ir. Imperf. hymen - incise hymen.

Vag. stricture - plastic op. l

POST MENOPAUSAL BLEEDING.

Any case must be investigated as may be caused by an organic disease - Ca, polyp, etc.

AMENORRHOEA : can be normal or abnormal.

Normal - physiological - pre-puberty, during preg., & post-menopausal

Normal - local - Vag. strictr. etc. - haematoocolpos. (after hysterectomy, oophorectomy).

U.T. loss of endometrium - by Ca? - or after D & C)

hypoplasia - infantile ut. after cauterity. (haematorectal)

Tubes - radium implants affect lining.

Ovary - Tumours: absence of by cong. or op.

constitutional - dis. c. gen. debilitations - anaemia, etc.

Psychic - fear of pregnancy.

Endocrine - absence of normal hormones - replaceable by estrogen and progesterone. (hyperthyroidism, hyperplasia of adrenal cortex, etc.)

Environmental influences.

COMMON DISEASES OF GEN. & URETH.

VULVA

Acute Vulvitis

- Cause
1. uncleanliness
 2. rag. discharge.
 3. inflam. assoc. w/ diabetes.
- Symptoms
- local redness + itchy - 2-dy infection.
maybe discharge; swollen lymph glands in groins.
- Treatment
- find cause + eliminate.
symptomatic - avoid strong soap, no friction
blend ung. & powder - Zinc Oxide & Cast. UU. base.



KRAUROSIS VULVAE

Shrinking of ext. gen. usually at menopause, caused by too sudden withdrawal of hormones, pain on mict., narrow rag, rifle, panties
Treatment Oral stilboestrol, oestrogen

LEUCOPLAKIA VULVAE

Thickening and whitening of epithelial layer - very dry.
Tendency to bleed and often fissures formed.
Impv. common to pre-cancerous condition.
Treatment Surg. removal of ext. gen. often.
symptomatic tr. - sedative nocti-sleeps.

TUMOURS OF VULVA. — Benign - Polyp.

Malignant - Ca.

BARTOLIN'S GLANDS common site of acute infections. — *Monococcus* - abscess may be found in gland. Pain around ext. gen. maybe discharge of fluid, menses, etc.
Treatment R.I. B. local application of heat over area of gland.
Sedation; chemotherapy - penic. + Sulphur.
If abscess - incise it.

Chronic Tissue - after acute in P. ineffective
Treatment surg. dissection of gland.

Ca Vulva. - assoc. w/ leucoplakia vulva.

Treatment surg. removal of vulva + bilat. inguinal lymph nodes.

GYNACÉ

CARUNCLE

small granulomatous mass, size of a pea at urethra meatus, usually on posterior wall.

S/s. agonising pain on micturition.
Bleeding.

Diag. By speculum in vag. and looking at caruncle

Surg. removal of caruncle (muc. resect) of cavity (w. slow healing)



INFECTIONS OF VAGINA.

TRICHOMONAS (small pear shaped org. c. tail ♂) in vag. discharge - gadgets floating about.
Discharge - thin, yellow + watery.

Treatment: Acid douche daily for 1 month & s.v.c. suppository in vag every month. Douche next month every 2nd night + supp inserted. Third month - no douche, but vag. supp. inserted every day during menses + 2-3 days after for 2 months. (6 months in all)

MONILIA (under mike) discharge - thick white curd over ~~red~~ red vagina.
Treatment: point inside c. G.V. 2% solution twice a week $\frac{2}{3}$ ½.

GONOCOCCUS microscopy - TREATMENT: R.I.B., sedation + chemotherapy.

VSTREPTOC.

ENDOCRINE

hirs - lack of hormones

Treatment: oral or local (supp.) hormones.

TUMOURS.

Benign

Malignant Ca - primary or secondary.

INFLAMMATION of C - Acute Cervicitis.

Common cause is ~~trauma~~ - or Post partum (str. etc.) pyogenic - streptococci.

S/s. Discharge - purulent.

- Sometimes backache + lower abdo. pain. - poss. fever - malaise + tachycardia

Treatment: E+

C/F C red + swollen w/c pus exuding from external os.

Treatment: chemotherapy.

R.I.B. st. if toxæmia

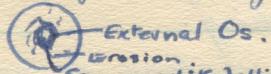
CERVICITIS

- pathological changes resulting from post. part. infection after gonococci or pyogenic.

Chronic - most common complaint in women. Due to post-partum infection or long. weakness in Cx. Poss. after acute.

S.t.s. pelvic discomfort; discharge, bleeding (meno. + metrorrhagia)

Diag. by speculum.



Snowy-white follicle-like bits on & - NABOTHIAN follicles.

1. Oral toilet - electro-coag. of cerv. canal.

Cx dilatation - curettage + site of excision diathermia

Discharge for a month as result of diathermy.

1) local cauterization
2) cautery
3) castration
4) plastic ops.

INFLAM. OF UT. - Acute + chronic endometritis - usually gonococcus - frequent after abort. or misc.

S.t.s. discharge + bleeding, pelvic discomfort.

Enlargement of ut. by digital method. Usually not chronic as infection passed out at menses.

Tr. chemotherapy, P. etc. P. not propped up - pus drains.

Chronic Tr. D.+C. of ut.

May be assoc. w/ pyometria. Ut. enlarged and painful. Ex. difficult.

1. Dilations of Cx to let out pus.

Chemotherapy and stilboestrol (Sometimes)

TUMOURS OF CX. + UT.

CX - Benign + Malignant.

Benign: Cx polyp - Main s.t. bleeding - menorrhagia, etc. To twist off pedicle & D+C.

Malignant: Ca. 2nd most common in females - spread to vag., ut. or via lymphatics. Ca-4 stages - Tr. depends on stage - usually surgery.

UT. Benign - Fibro-myoma - (fibroid) - muscle + fibrous tissue - usually in younger women (25-40) commonly fibroid retrogresses.

Sectiol. unknown - lack of preg.? - hormonal cause, anyway.

3 types - Sub-mucous type - in inner part of endometrium.

Interstitial type - fibroid in bed of ut. - myometrium.

Sub-peritoneal - on outside.

s.t.s. Pain in lum + back - constant pain.

Dysmenorrhoea, Men. + Metorrhagia - may palpate mass in abdo. or pressure on other organs (anuria etc.)

Diag. by abdo. exam. - pelvic exam. D+C.

May be confused w/ preg. (no foetal heart - X-Ray - Ascheim-Zondke tests).
(Ov. cyst)

Tr. depends on amount of pain, age of patient and no. of children, amt. of bleeding, & size & site of fibroid.

1. If small, little discharge - may regress.
2. D.t.c. for sub-mucous type of fibroid.
3. Hysterectomy - dissection of fibroid until left behind - Vag. or Abdo. Op.
4. Hysterectomy - old p., menopausal, large no. fibroids, large blood loss.
5. Radium insertion.

BORDERS OF MULUPIAN TUBES.

Malignant - Ca. of W. or Sarcoma - hyster. & bilat. salpingo-ooph-ectomy.

Salpingitis: 3 types. - 1. Gonococcal - Due to infec.淋菌 - Vag., ut. or Co. 2. Pyogenic - prim. or 2y. to any organ causing form of pus. 3. Tb - 2ndy.

S.T.S. 1 T°

— feels w. sick.

Severe abdo pain - often vomiting.

Poss. vag. discharge.

If R. sided - similar to Appendicitis (diff.: dist. from vag.)

Jr. R.I.B. semi-Fowler's position.

Analgesics: sedation.

local heat to abdomen.

lethotherapy - cures Pyo. & Teno.

Anti Tb drugs - P.A.S., I.N.H. + Strept.

Major cause of sterility - infl. causes adhesions - blocks lumen.

RUBIN'S TEST Carb.-Diox. in Vag. 80-120 m.m. mercury re. to force air in (normal) more blood

Pelvic Peritonitis - Localised peritonitis in pelvis. Infection from ut. or tubes, ovaries, bowel (ruptured or traumatised), blood stream or lymphatics.

S.T.S. Similar to peritonitis - lower abdo. pain + nausea.

→ P.H. of vag. discharge or actiol. of peritonitis.

P.V. nearly imposs. - p. tender.

Jr. conservative i.e. R.I.B., F. pos., heat, antib. - analgesics & sedation

If inflammation localised - poss pelvic abscess in pouch of Douglas - felt at P.V. Incise abscess at vag. - rubber drain tube or glove drain

TUMOURS OF.

TALPOPIAN TUBES fairly uncommon: benign fibroma + lipoma.

malignant - Ca - primary

or secondary - primary int'l.

OVARIES

Ovarian cysts - Ca, etc.

Benign - Simple cyst - may rupture & cause pain - clears up in hours.

Lutein cyst (chorioapt) overdevelopment of corpus luteum - pain, pressure, rhagias.

Pseudo-Mucinous cystadenoma (has fluid very like mucin) - usually found in 20-40 - usually only in one ovary.

S.t.s. Abdo. enlargement -

Mass may be palpable.

Menst. disturb.'s - none or excessive.

Pain - pressure on nerves.

Symptoms due to pressure - constipation, etc.

DANGERS OF TORSION. poss. slow twist - intermittent agonizing colicky pain

or acute - agonizing pain & may collapse

Diag. usually made at laparotomy.

INFECTION - prim. & 2nd apt - pain like ruptured appx.

MALIGNANCY - Pseudo-Mucinous cystadenoma.

Tr. depends on findings at laparotomy - if poss. just remove cyst, but p.R.N. ovary as well.

Granulosa cell : (cells produce estrogens) in girls 5-10 yrs.

s.t.s. of precocious puberty. May be also in old ladies 40-50.

FOLLICULAR CYST - produce androgens - lose feminine characteristics and become manlike.

Malignant, usually Ca of abdomen.

Enlargement of liver due to (William Bstl.)

FAT

FAECES

FLATUS

FOETUS

FIBROIDS.

GYNAC.

COMMON GYNAC

OP.'S

1. D.C. - Diagnostic in menorrhagia, post-menopausal bleeding or to find if P. containing Therapeutic - Incomplete abortion, Polyps, & some fibroids.
2. Uterine Oophorectomy - removal of ovary.
Simple Uv. hysterectomy - removal of ovary only.
3. Tubes: Salpingectomy - removal of tubes.
Salpingostomy - opening of tubes.
Salpingolysis - freeing of adhesions around tube.
Plastic ovar.
4. " Uterus: Hysterectomy or Cesarean section
Sub-total hyster. - Body of uterus + Fallopian tubes.

UTERINE

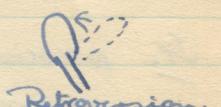
DISPLACEMENTS.

Supports - Direct - Vagina + ligaments - Broad, Round & Uterine.
Indirect - Latissimus dorsi muscles + Perineum.

1. RETROVERSION: normal ut. sits forwards on vag.



Normal Anteversion
Cx points down + back



Retroversion.
Cx points down + forward.

Causes: Congenital - 20% born w/ it.

Acquired - due to pelvic inflam., esp. sequel to multi-para.

S.S.: backache + pain.

Dig. by feeling pt. - bimanual method ✓
or via speculum at Cx

Tr. - nothing much - if painful - replace ut. - Lateral position or knee-chest position - grasp anterior lip of Cx & turn it down and pull backwards. Pessary then inserted - Smith-Hodge. Keeps in position (pessary) for 3 months, then remove and see if ut. still anteverted. If not - then op. Daily enema given when pessary in place.

Up. - Gilliam's suspension. Mid-line incision in abdo-wall (!) round ligament brought up through rectus, abdominus - tightens ligament and brings lig. forward. Ret. ut. due to slackening of this lig.

2. PROLAPSE Cystocele: displacement of lower part of vaginal wall and bladder wall.

Rectocele: Post. part of vag. gives way & rectum bulges into vag.

Enterocele: when pouch of Douglas and intestines bulge into vag.

Uterus may prolapse

Classical Prolapse: cystocele, ut. down, enterocele, rectocele.

Causes: childbirth.

~~hormones~~ post-menopausal atrophy.

STS. backache.

lump in groin - more noticeable when p. strains down - may have urinary trouble. - stress incontinence - micturatio when coughs or laughs.
constipation. or diarrhoea.

Jr. prevention - proper care + attention at birth

conservative - poor op. risks, young preg. women, f. who will want children -
watch spring pessary.

Op. curv.:

Mandibular { Anterior colporrhaphy

or Dethwy { Post. colporrhaphy

Repair | Perineorrhaphy (usually c Post colpor)

Ampullation of l.v. enlarged when ut. prolapsed.

Vaginal Hyster. done if outlet too gross for repair -
usually in elderly post-menopausal repair - Fibroids, etc. Ado hyster



ABORTION. Termination of pregnancy - the fetus being inviable for less than 28 weeks preg.

Abic. same as abort.

Causes: Maldevelopment of ut. or embryo itself

Abnormal position of embryo in ut.

Drugs - ergot, lead, mercury, quinine

Acute maternal disorders - pneum., etc.

Chronic maternal disorders - syphilis, etc.

Self-induced abortion - traumatic usually.

Three stages of birth - 1. contraction of ut. 2. Uo to open 3. Expulsion of products of conception.
Short miniature labour.

	<u>Pain</u> + poss.	<u>Haemorrhage</u> + some.	<u>Os.</u> closed.	<u>Expelled</u> . clots.
1. <u>Threatened Abortion</u>				
2. <u>Inevitable Abortion</u>	severe	severe	open	Blood + liquor.
3. <u>Mixed Abortion</u>	+ then ++	+ cease +++ very	closed	Prod. of C. not expelled. Blood. Fetal Death In Utero.
4. <u>Incomplete Abortion</u>	+ ceases.	+	Open.	Blood, foetus, part of placenta Will bleed while pl. in uterus.
5. <u>Complete Abortion</u>			Open, but lab. stops	Blood, foetus & placenta.

3+5: all types

Pain caused by contraction of ut.
Haemorrhage.

State of os. - open or closed.
Expelled products.

Treatment : R.I.B. - sedation, analgesics (Morphine Peth.) + i.m. Prog. helps.
may become ↓
phys. effect of maintaining developing ovum in ut. in early months.

Dress. R.I.B. - then treat as tho. abort.

or D. & C. if sure that inevitable.

Mixed : - nothing - will expel foetus later
- D. & C.

Incomplete - shock + haem. - R.I.B. Hb-checked - transf. if nec. (desanguinated state)

Treatment : Morphine + warmth, bed, arm blocks.

Ergot if loss excessive

When stabilised then D. & C.

Complete : same as ord. preg. R.I.B. i.m. If tend to bleed -
Ergot tabs. or i.m.

Ergot helps ut. contract + stop bleeding.

Always - to be satisfied that complete

GYNAC.
POSITIONS.

1. left lateral
2. Sims'
3. Dorsal
4. Sandelenburg
5. Genu-pectoral
6. reverse Sandelenburg .

PUERPERAL
INFECTION

- Complications (short.)
1. septic endometritis
 2. septicaemia
 3. generalised peritonitis
 4. salpingitis and pelvic peritonitis
 5. parametritis and parametric abscess.
 6. pyaemia.

Combinations can occur.

In:

swab

urine (cath.)

X-P. + Sulphathiadz until Lab. reports.

PRURITIS

- Acted ¹ vag. discharge. 2. glycosuria or incontinence. 3. Thread-worms from anus
4. uncharantines 5. certain skin diseases 6. idiopathic.

Anterior colporrhaphy for cystocele.

Fothergill's - cystocele + ut. prolapse. Anputation of Cx

Colpo-perineotomy - vesico ure. sling - pubo - coccygeus. - rectocele + ut. prolapse.

Trachelorrhaphy - any operation that repairs a torn Cx