

# GENITOURINARY SYSTEM

 SUBJECT :
 Anatomy

 LEC NO. :
 II

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آلاد بن بال

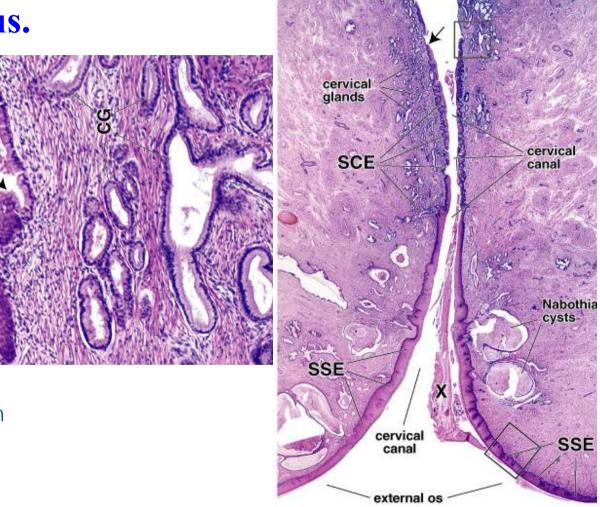
للملاحظة بس هاي المحاضرة ك فايل تعتبر الجزء التاني من فايل محاضرة للملاحظة بس هاي المحاضرة ك فايل تعتبر الجزء التاني من فايل محاضرة الدكتور خلص معظمها بالاون لاين المرة الماضية و ضلوا بس هدول ال ٦ سلايدات شرحهم ب ١٤ دقيقة بتسجيل مبارح اما على الوجاهي كان قاسم المحاضرة بالنص المهم تكونوا عارفين المحاضرتين هم فايل واحد

Uterine Cervix  $\rightarrow$  Lower part of the uterus

## It differs from the rest of the uterus.

- Lining epithelium
- **Glands** They secrete mucus not proteins
- **Connective tissue** -> Full of collagen
- Muscle fibers
- The lining epithelium of the uterine cavity of the uterus » simple columnar, when we reach cervical canal the lining epithelium » stratified squamous epithelium

★The 4 layers of smooth muscle fibers aven't found in the cervix although there is some smooth muscle fibers but there's a noticeable increase amount of collagen in the cervix which is not found in the uterine cavity

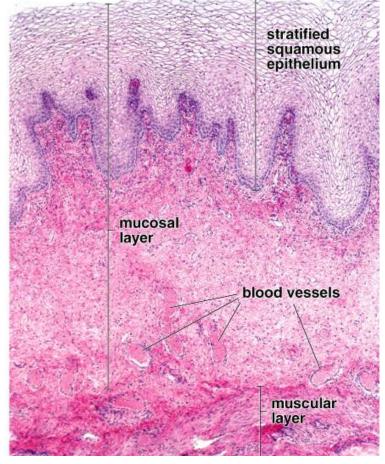




#### **Consists of three layers**

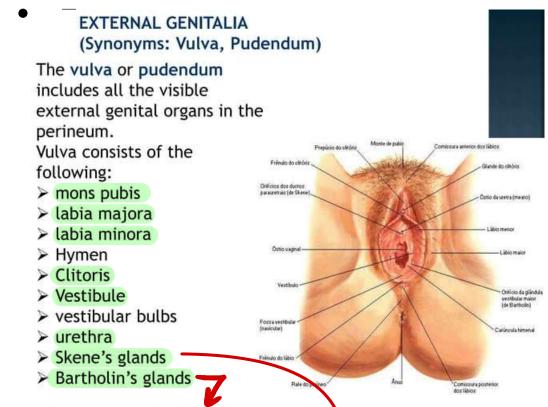
- Mucosa —> Stratified squamous non keriatinized epithelium
- Muscularis
  - Adventitia

- Due to the presence of glycogen in the lining of epithelial calls
- Why glycogen? Because when they are disquamated the glycogen will get out and will be transformed into acetic acid » giving the acidic medium which is needed to protect against pathogens or bacteria
- Muscularis » smooth muscle fibers subdivided into 2 layers, the inner layer the circular, the outer layer longitudinal
  - Lamina propria  $\gg$  full with blood vessels & a not of elastic fibers
- \* Adventitia » loose connective tissue but there's no covering of the peritoneum



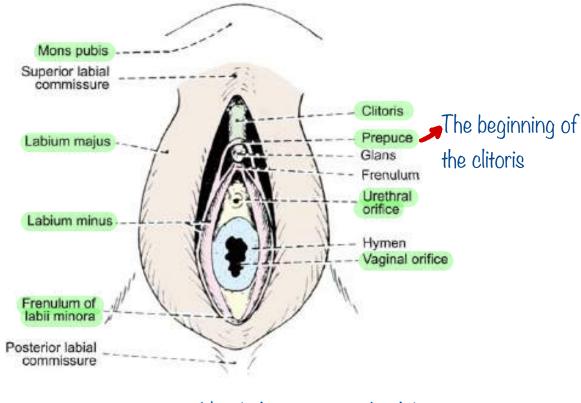
\*No glands in the lamina propria or in the epithelium of the vagina, but the source of secretion in the vagina is from vestibular glands in the external genitalia or from cervical glands

# **External Genitalia**

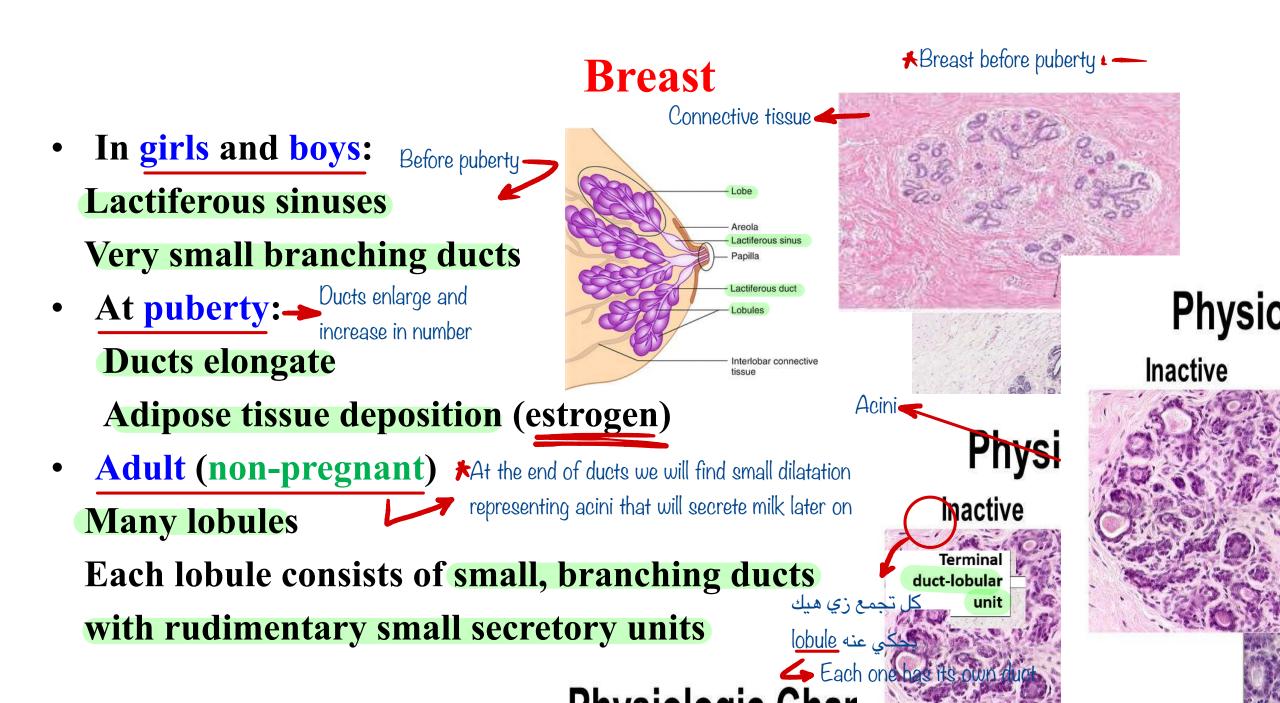


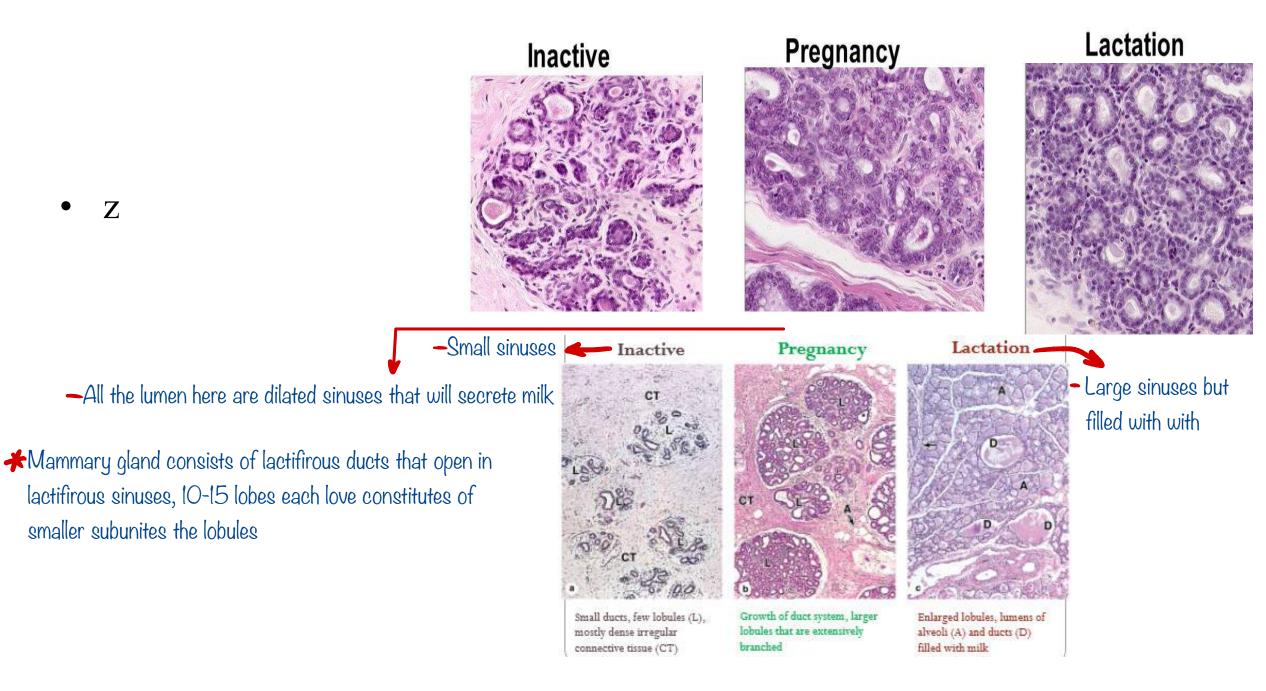
-Their openings is next to vaginal orifice, mucus secreting glands

-Mucus sereting glands next to urethral opening



-Vestibule » space within labia minora





#### ANATOMY

What is the lining of endocervix?

A. columnar epithelium 🗹

- B. Pseudostratified squamous epithelium
- C. Pseudostratified cuboidal epithelium
- D. non-keratinized stratified squamous epithelium

Bulbourethral gland open into?

- A. Membranous part of urethra
- B. Pre prostate of urethra
- C. Prostatic part of urethra
- D. Penile urethra 🗹

What causes the cervix to be hard during pregnancy? A. thick mucus secretion B. addition of collagen C. increase the stratification of squamous layer of cervix D. it has less smooth muscle than uterus

### هدول اسئلة للدكتور ايام ما كان بالتكنو بعتلي اياهم زميلنا سامي للفائدة