

College of Medical Laboratory Science

# **EPITHELIAL TISSUE**

- lackeent blood verset 44 Prev page Provident blood verset 44 Prev page Provident blood verset 44 2. Avascular
- 3. Basement membrane/ Basal lamina
  - Semi solid structure that allows the diffusion of materials from the underlying connective tissue.
  - Life line of epithelial cells
  - A thin, delicate membrane of protein fibers and glycosaminoglycans separating an epithelium from underlying tissue.



(b) Simple cuboidal epithelium

### **BASEMENT MEMBRANE**

• Basal lamina - thin meet work of type IV collagen and Nation produced by the epitheral case.

 Reticular lamina contains type III collagen and anchoring fibrils of VII collagen



- **Functional Classification** IV.
  - e. Germinal epithelium
  - f. Glandular epithe
- tissues of ovaries and to see CO.uk ndular epithelium evolution (Bands) Formation Formed by cells specialized to secrete
  - Molecules to be secreted are generally stored in the cells in small membrane bound vesicle called secretory granules.
  - Secretions may be in the form of proteins, lipids, and carbohydrates

#### \*Endocrine (ductless)

- loss their connection to the surface which they originated
- secretions are transported by the bloodstream
- Secretes hormones

#### \*Exocrine (with duct)

- retain the connection with the surface epithelium

## **EPITHELIAL SECRETION/GLANDS**

• Endocrine glands lack substancesev hormones throughout the body by the interstitial fluid and blood ,with specificity produced by the hormone receptors of target cells.

