

ENDOCRINE LAB

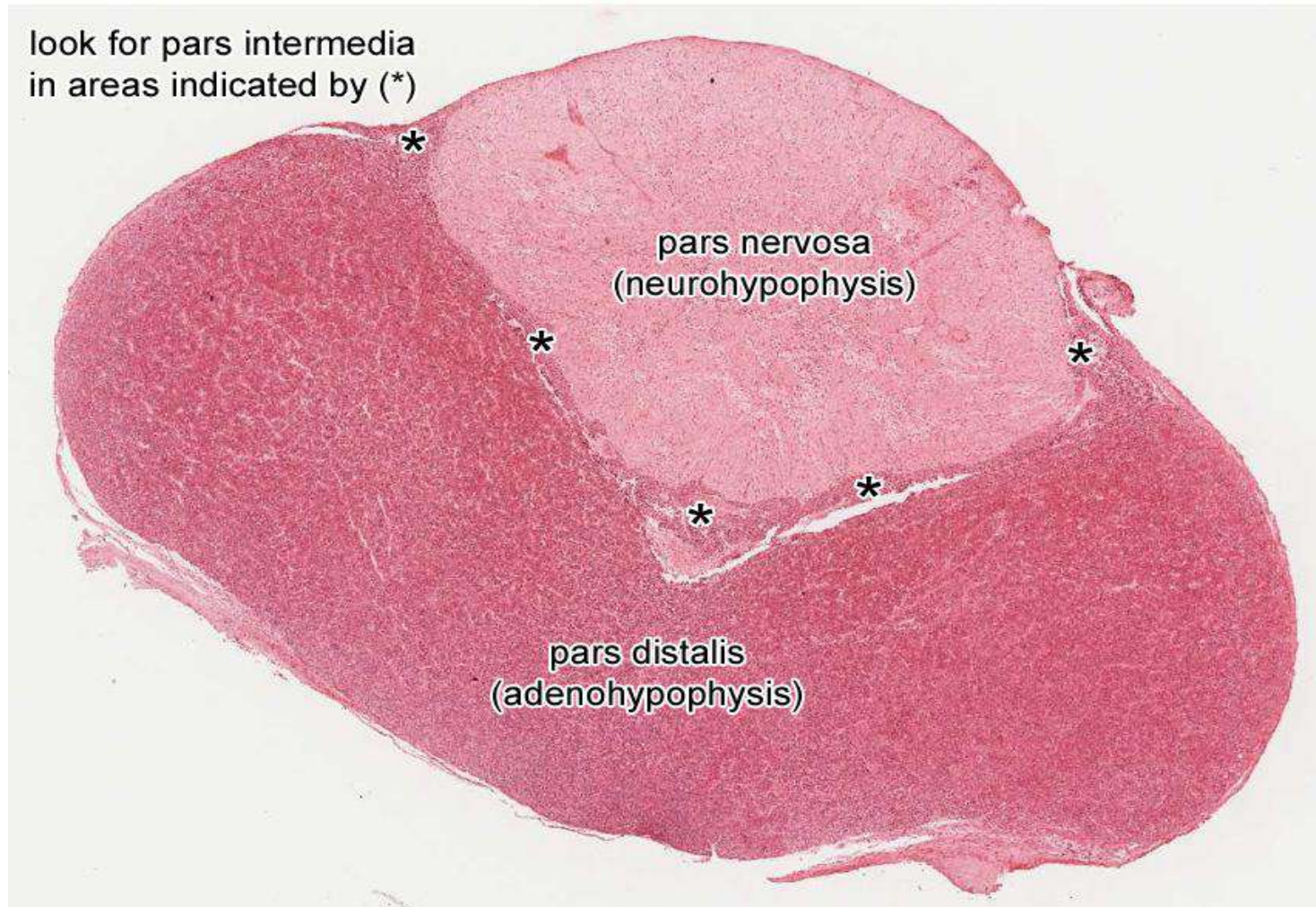
DR. Heba Elkaliny

Associate professor of Histology & Cell biology

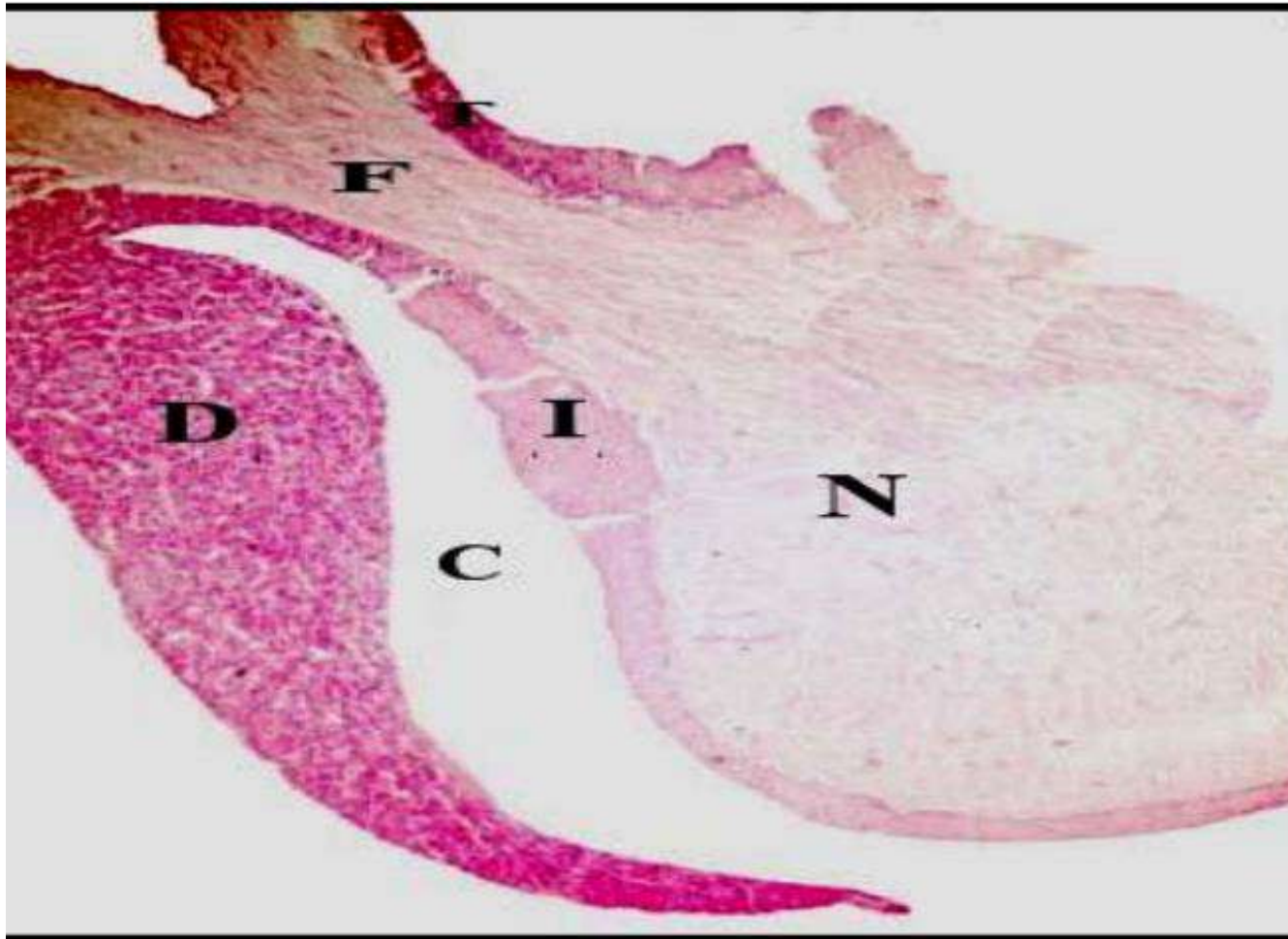


Pituitary gland

look for pars intermedia
in areas indicated by (*)



Pituitary gland



D= Pars distalis

C= Cleft

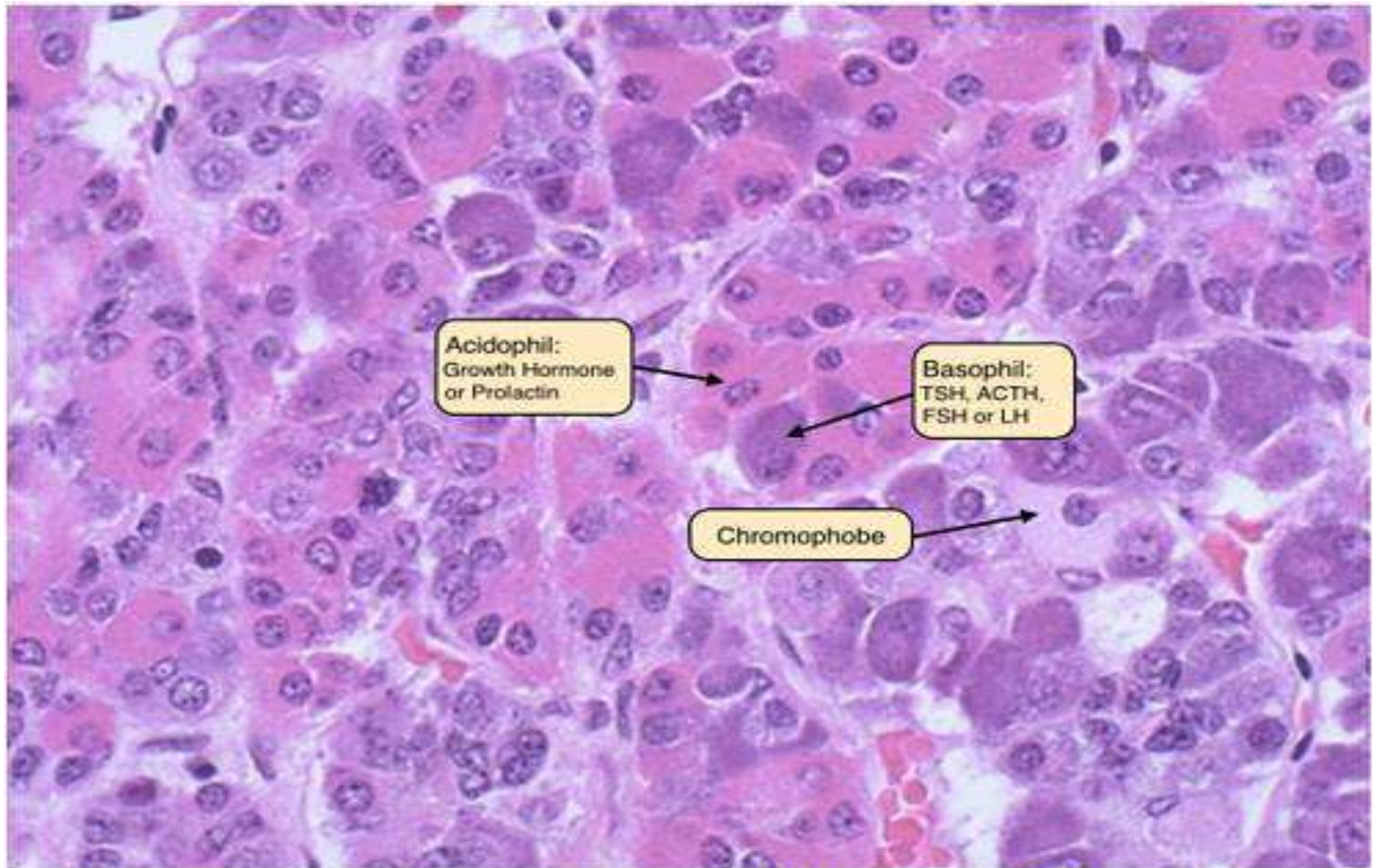
I= Pars intermedia

T= Pars tuberalis

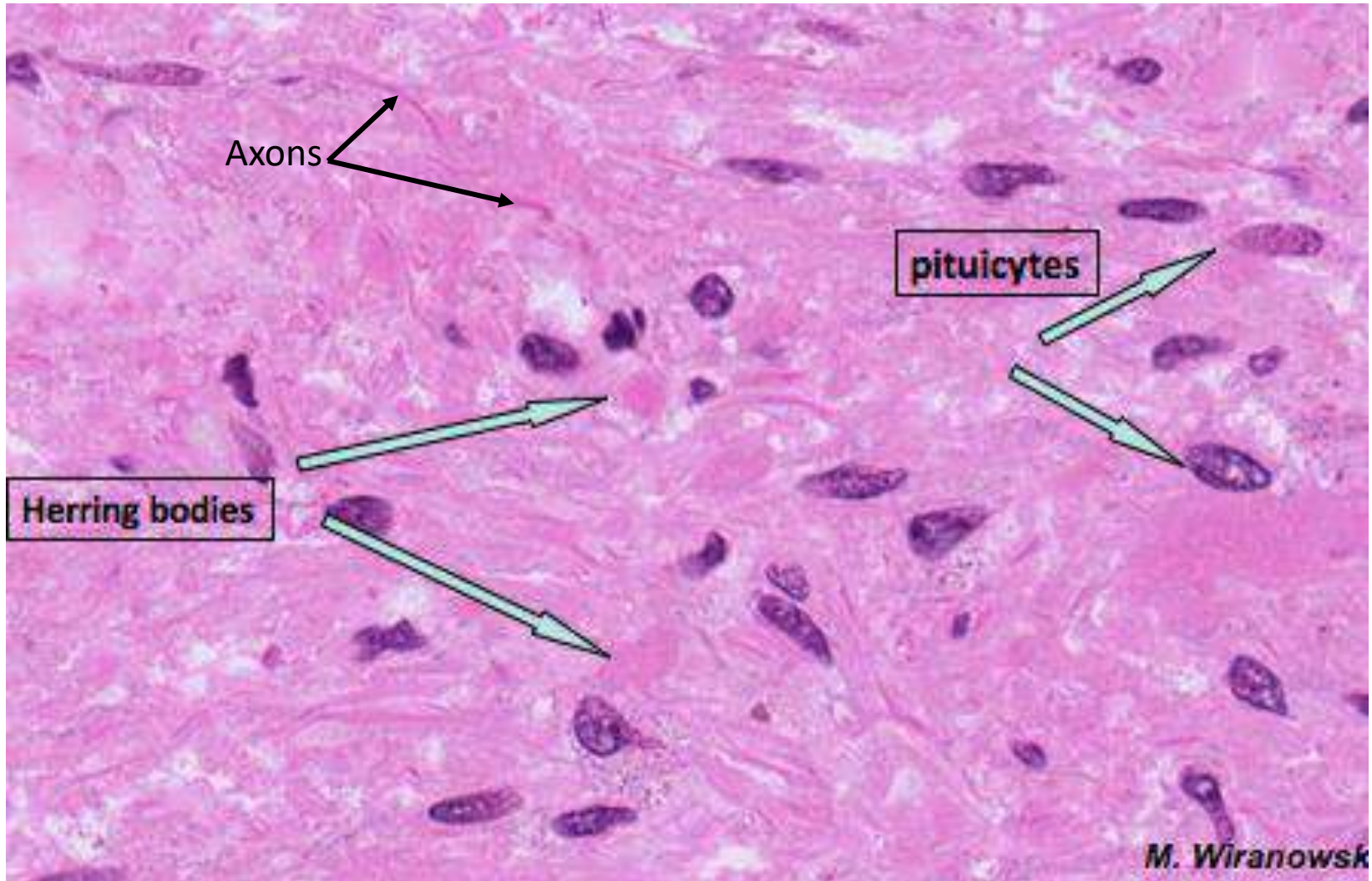
N= Pars nervosa

F= Infundibulum

Pars Distalis

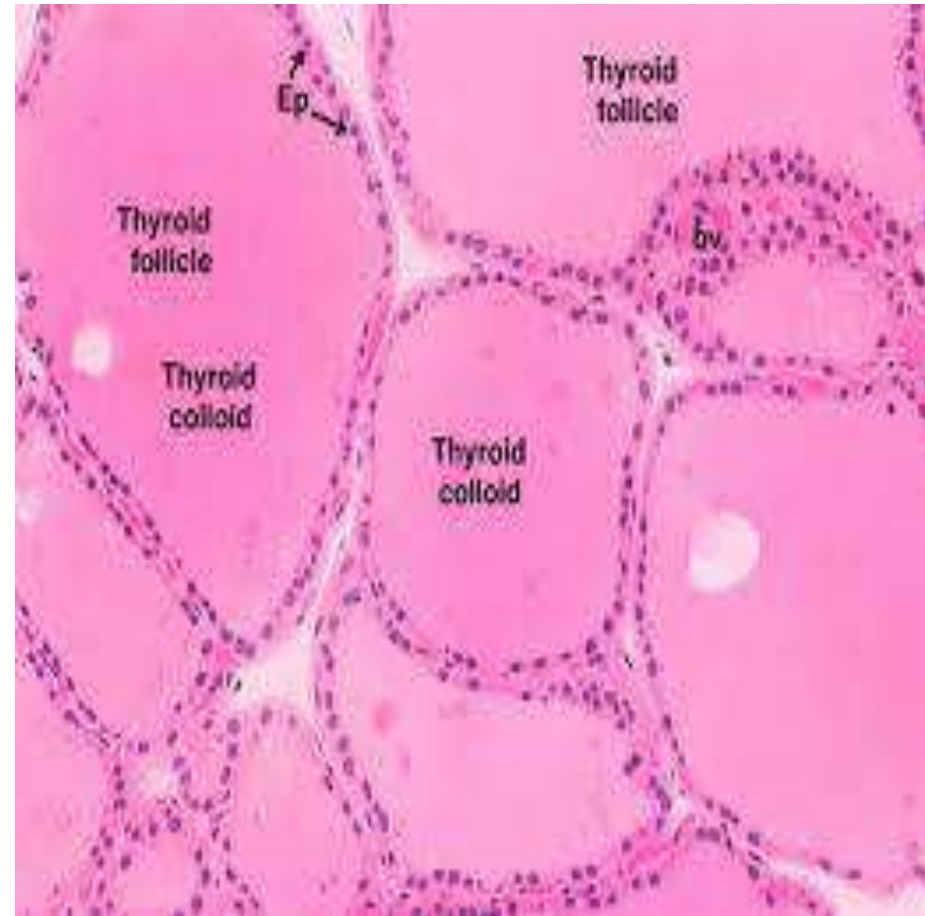
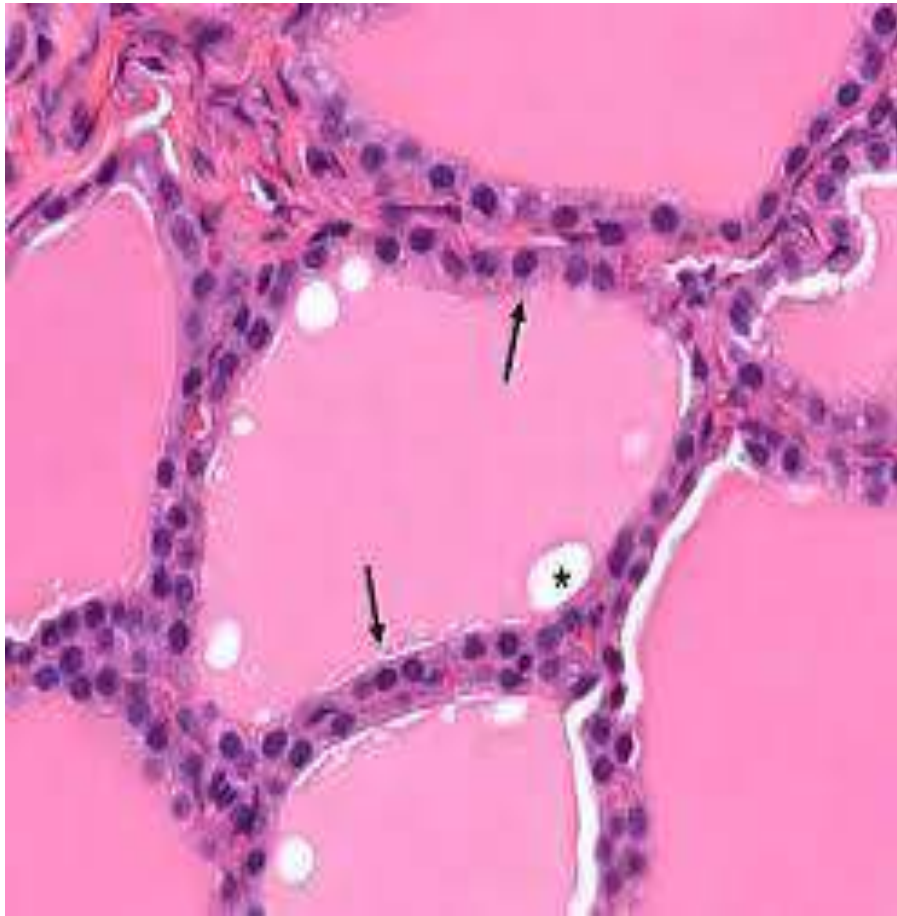


Pars nervosa

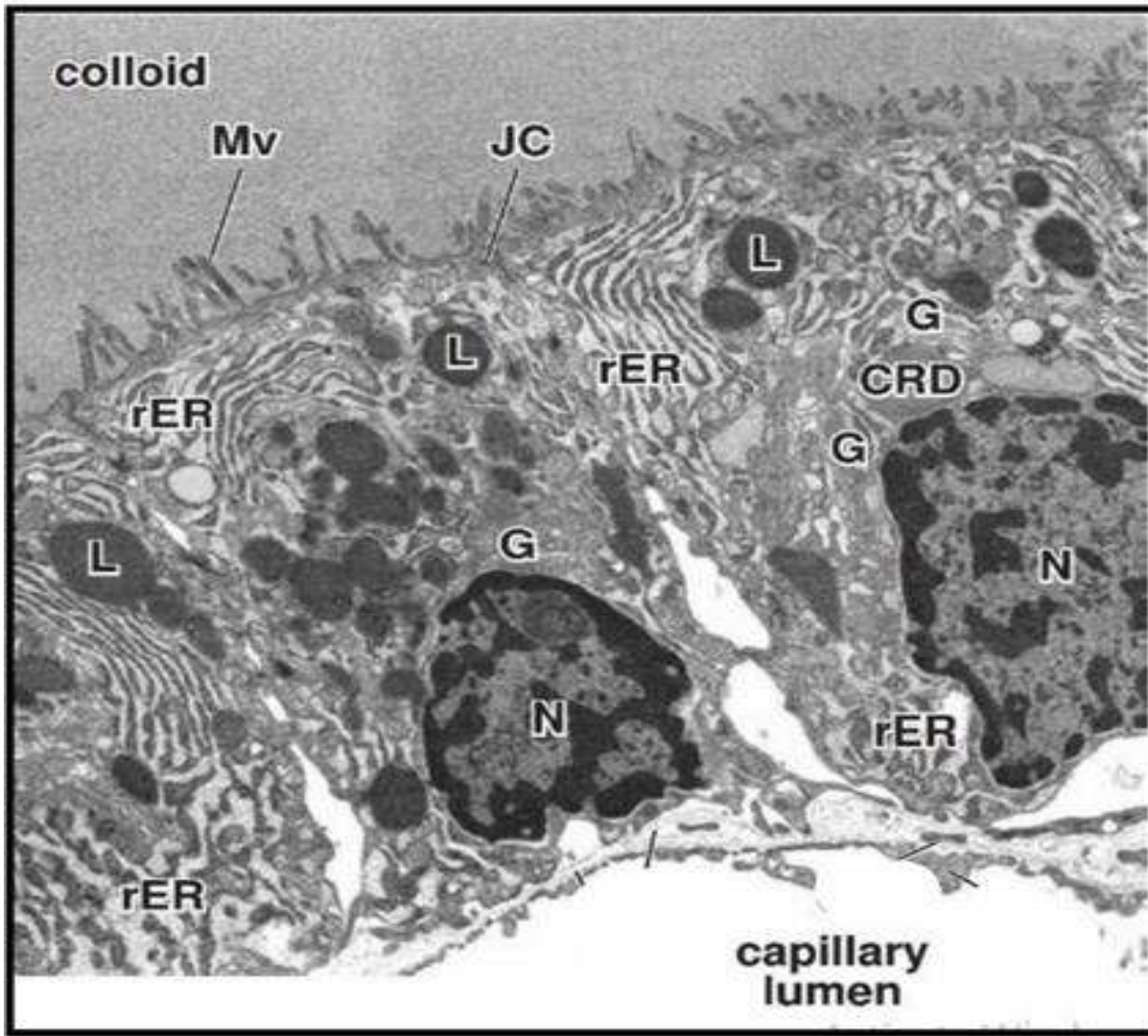


Thyroid gland

Arrow= Follicular cells= simple cuboidal epithelium

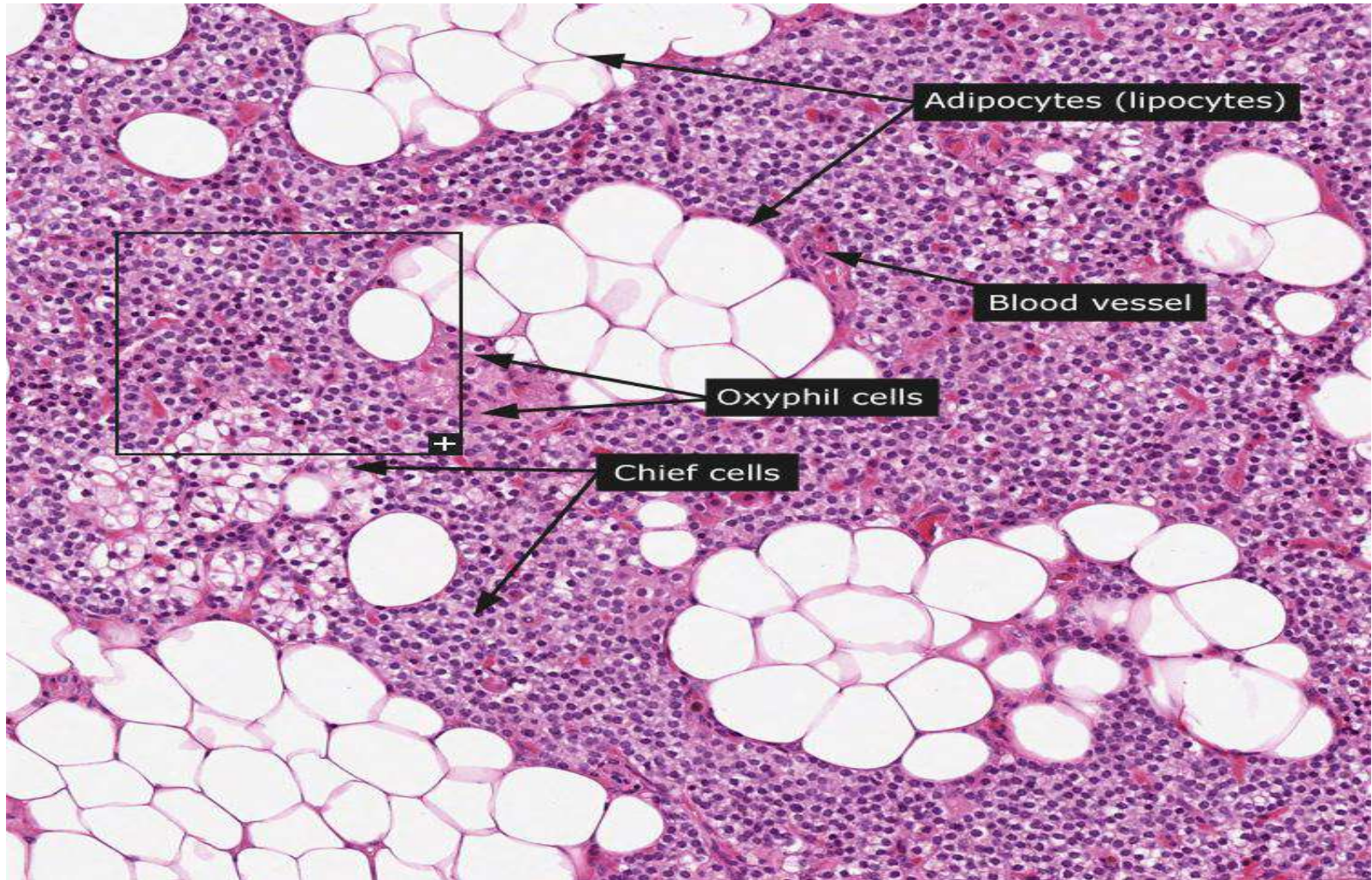


Thyroid follicular cells (EM)

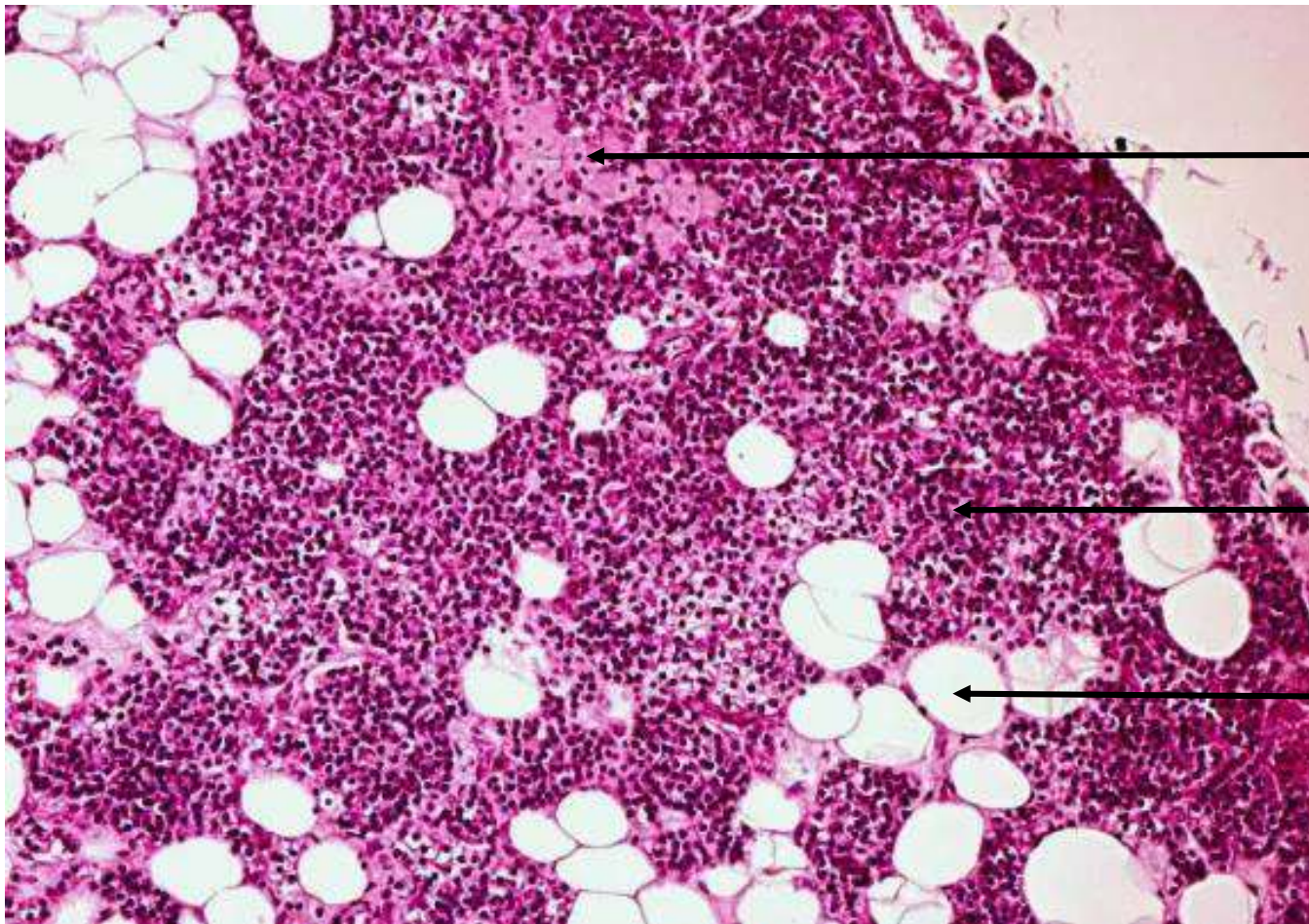


MV= microvilli
JC= junctional complex
L= lysosomes
G = Golgi complex
N= Nucleus

Parathyroid gland



Parathyroid gland

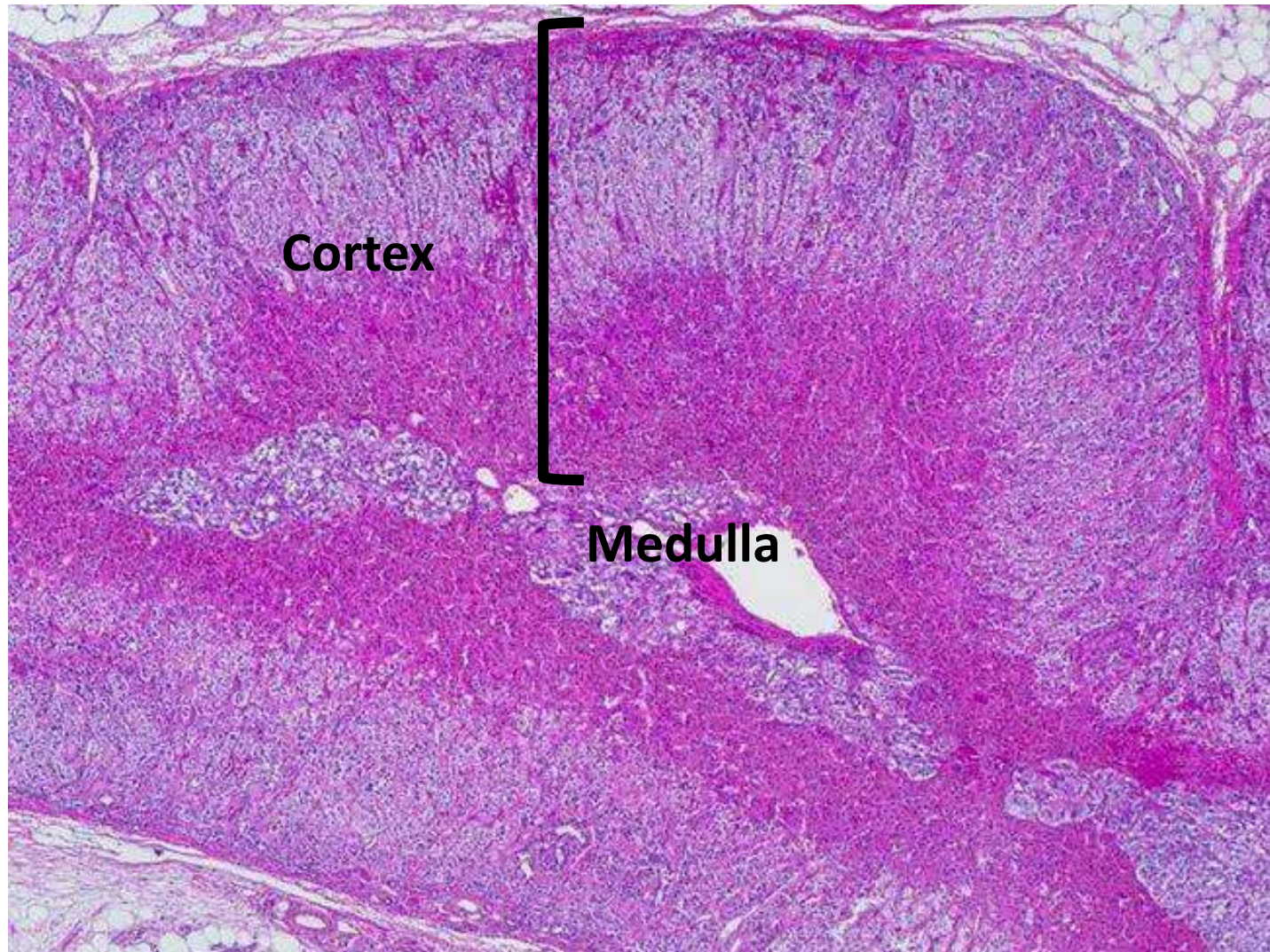


Oxyphil cells

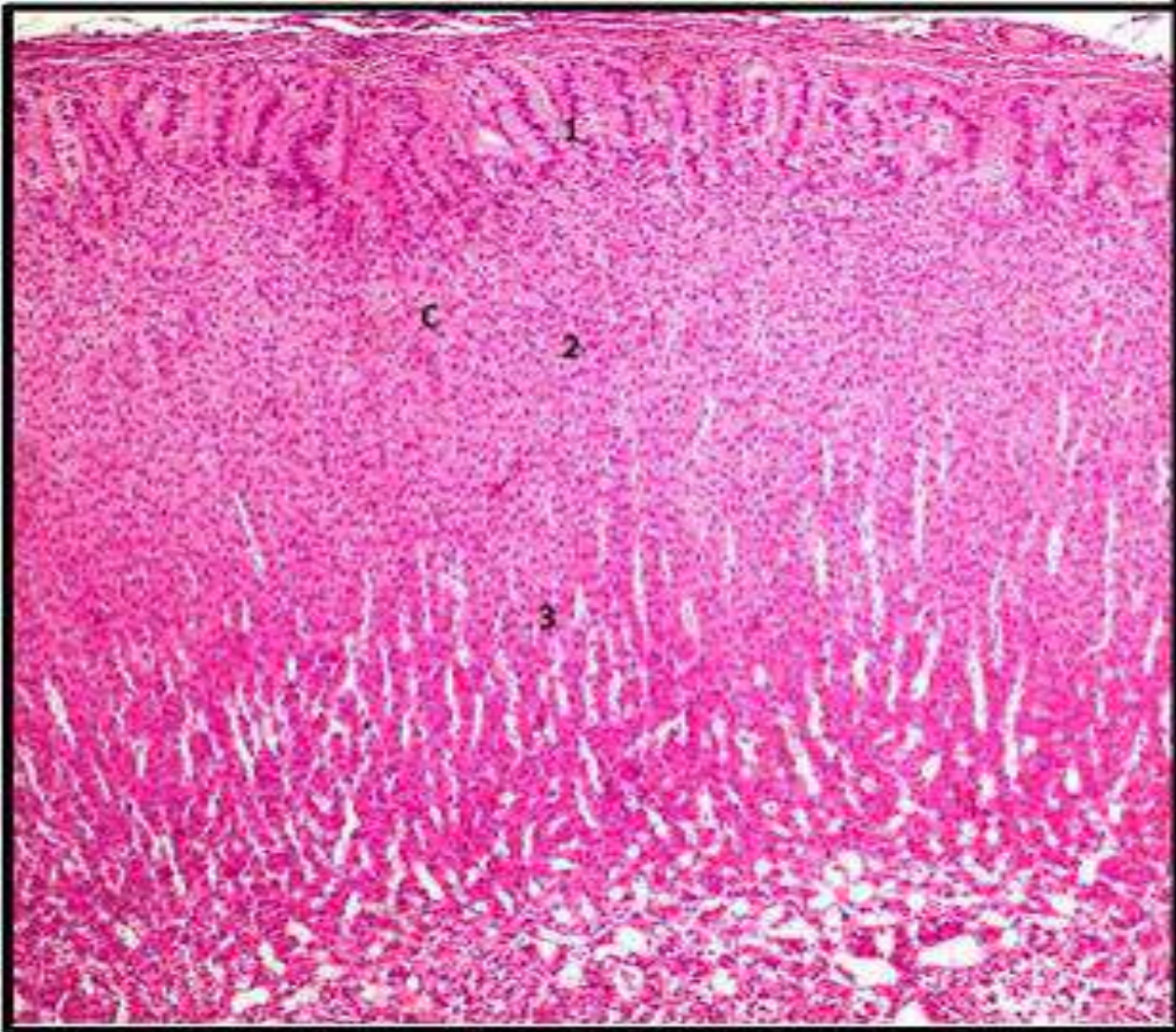
Cheif cells

adipocytes

Adrenal (suprarenal) gland



Adrenal cortex (c)

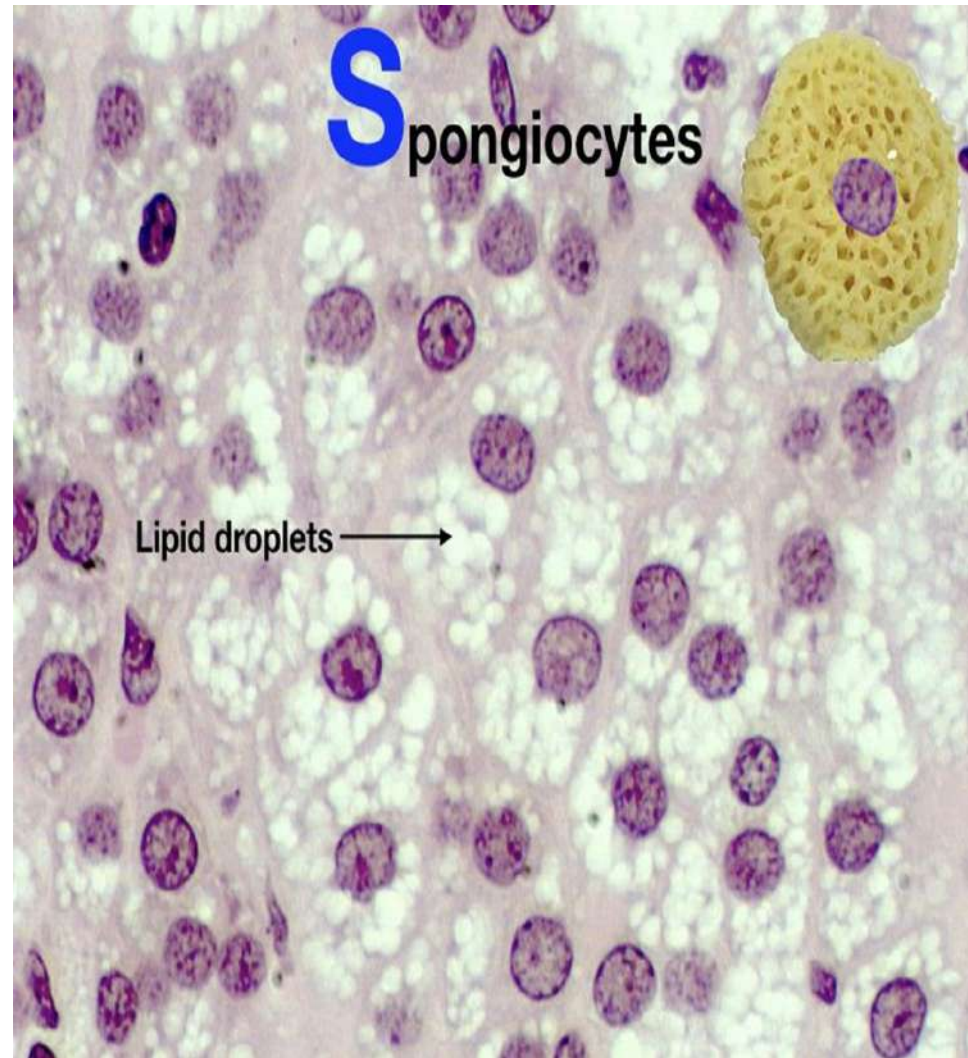
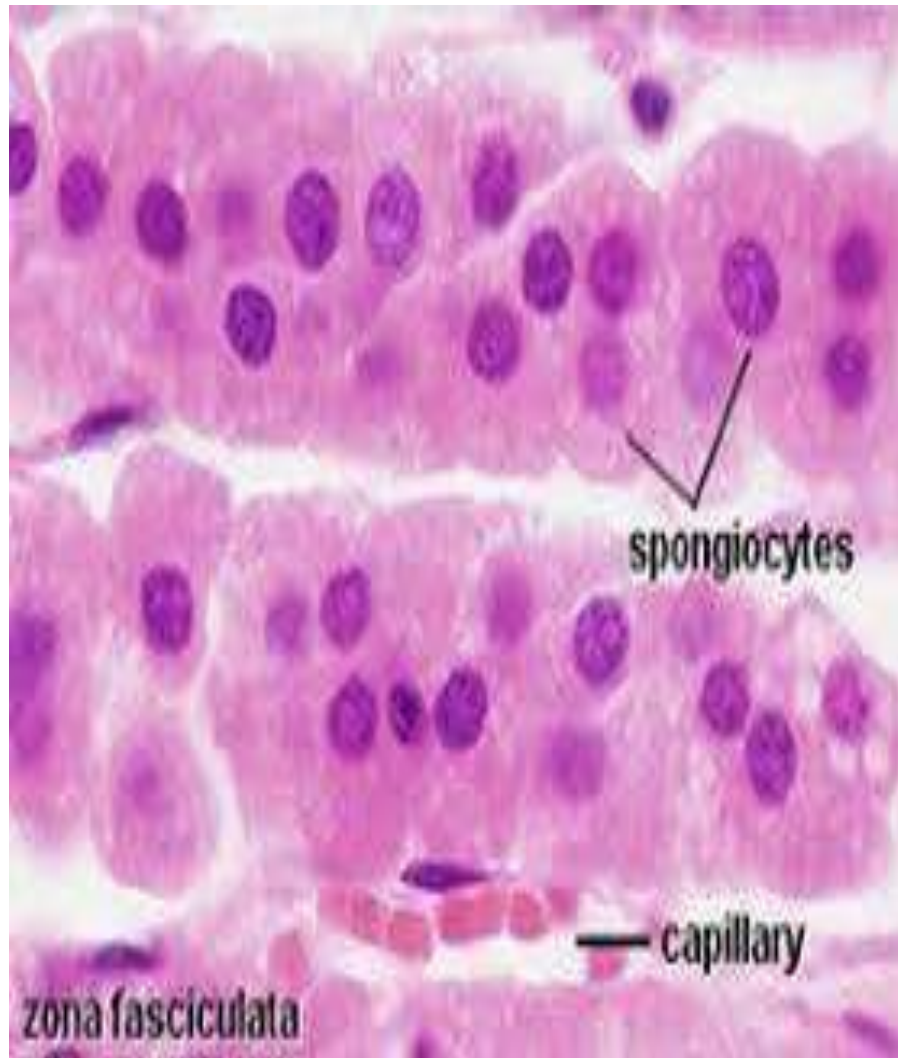


**1= Zona
glomerulosa**

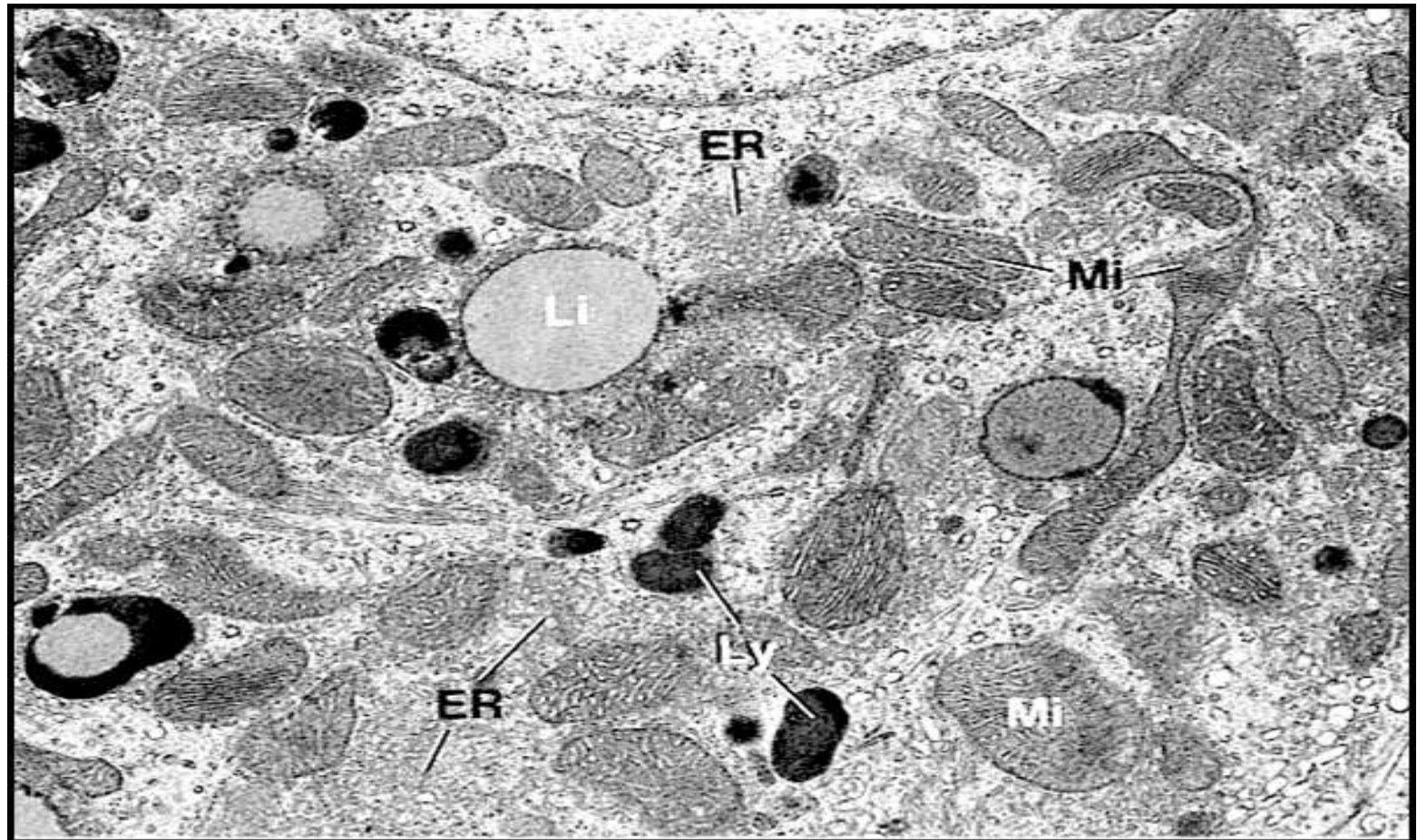
**2= Zona
fasiculata**

**3= Zona
reticularis**

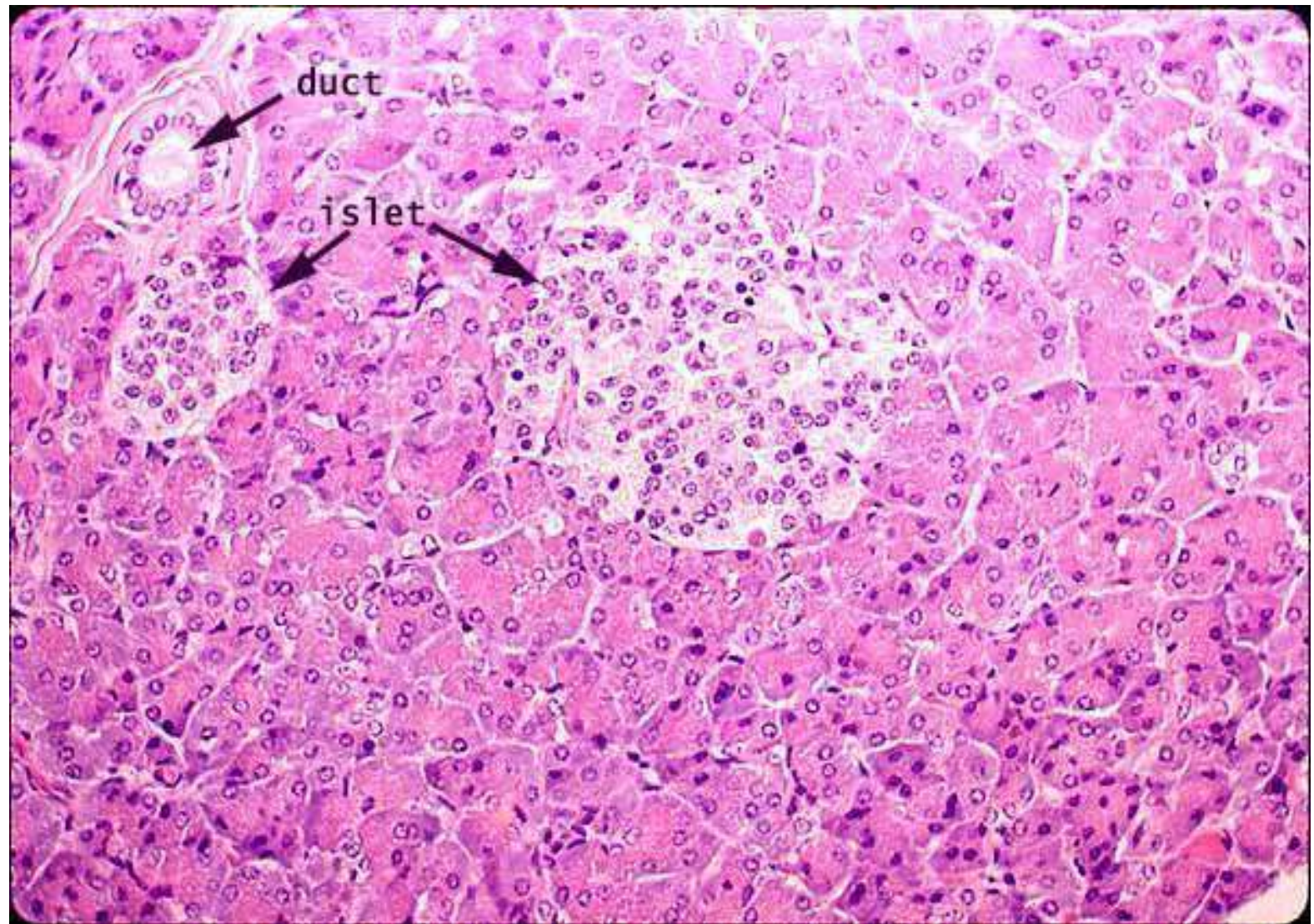
Zona fasciculata



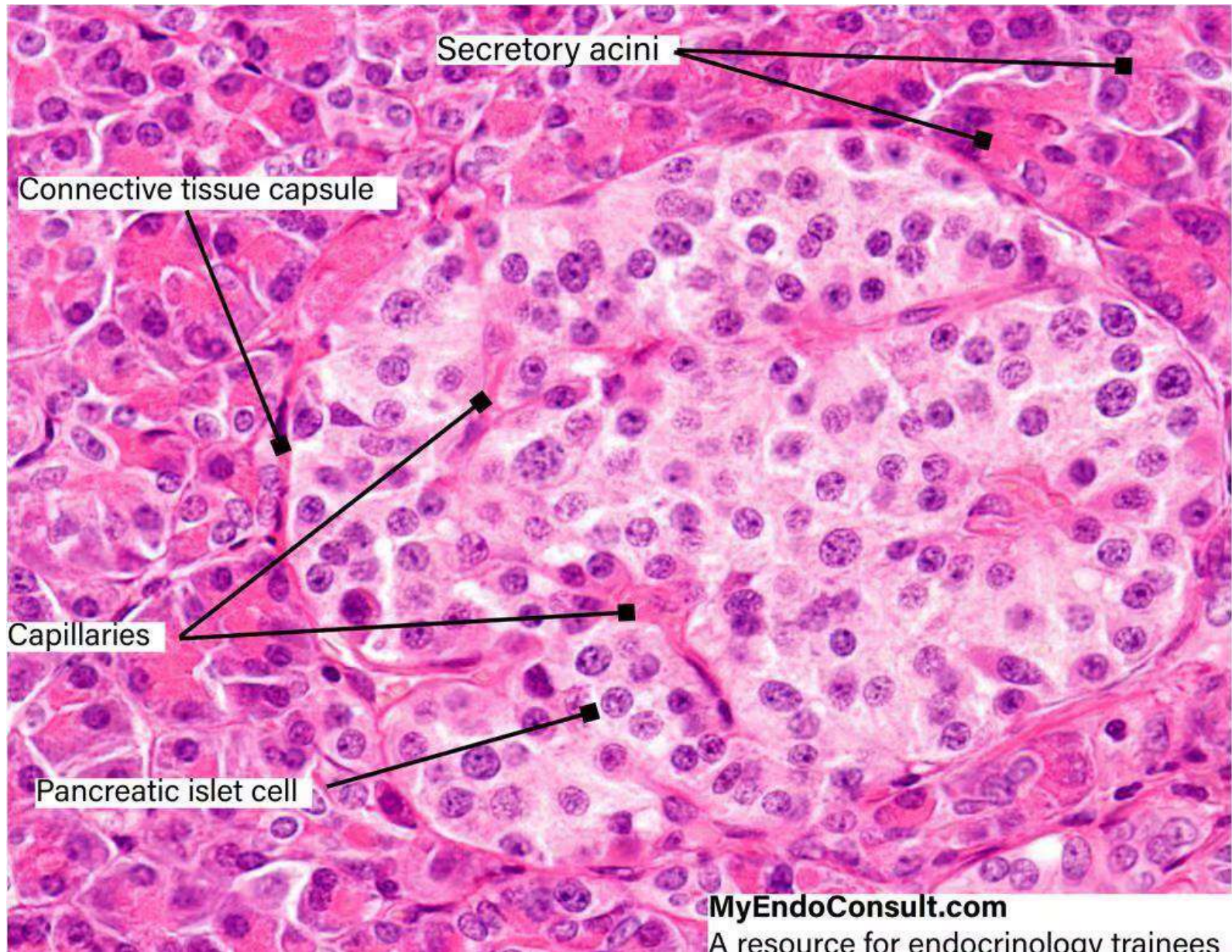
- EM picture of cells of adrenal cortex (Steroid secreting cell) showing:
 - Rich in sER (ER)
 - Lipid droplets (Li)
 - Lysosomes (Ly)
 - Spherical mitochondria with tubular cristae (Mi).



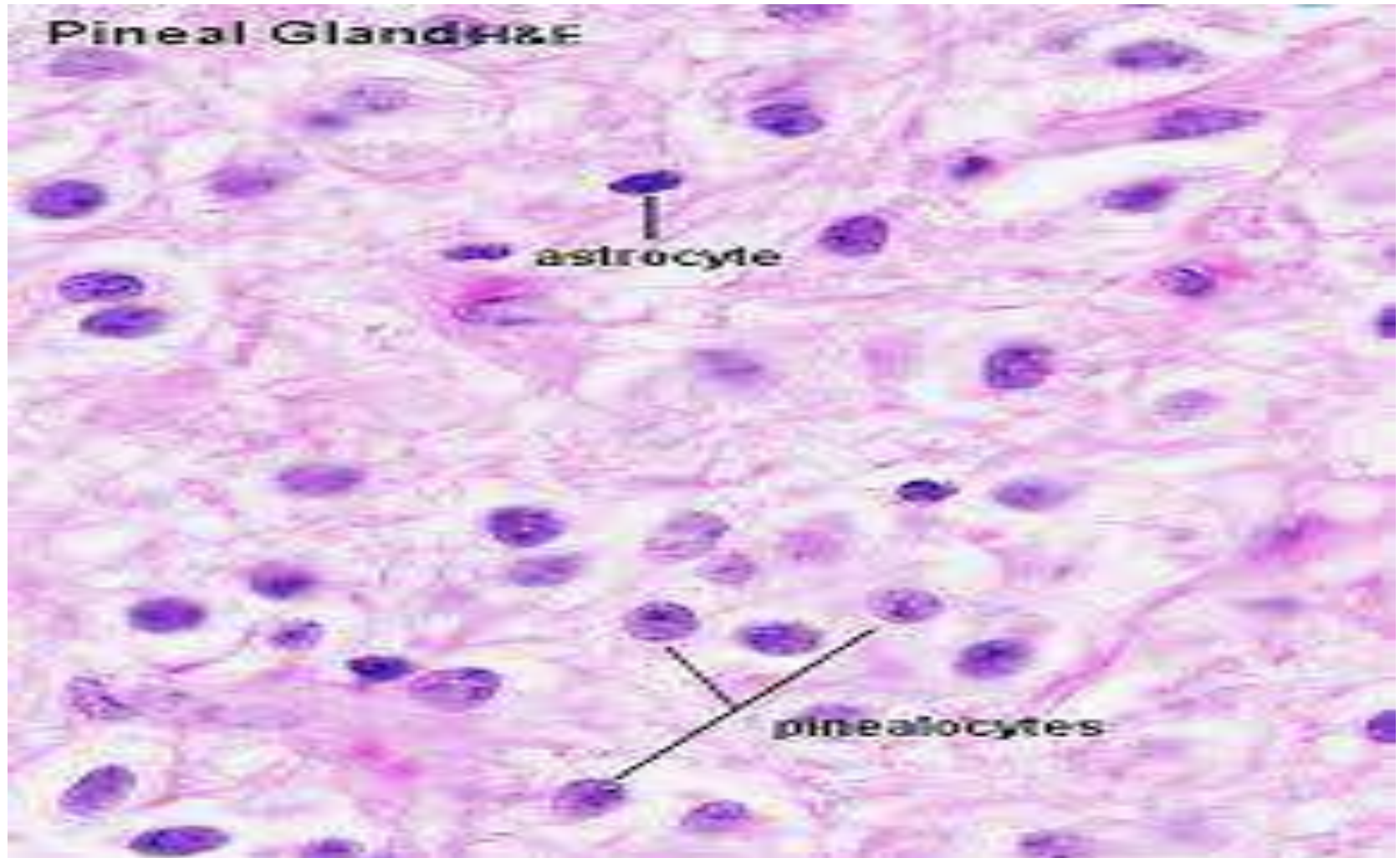
Pancreas (Islets of Langerhans)



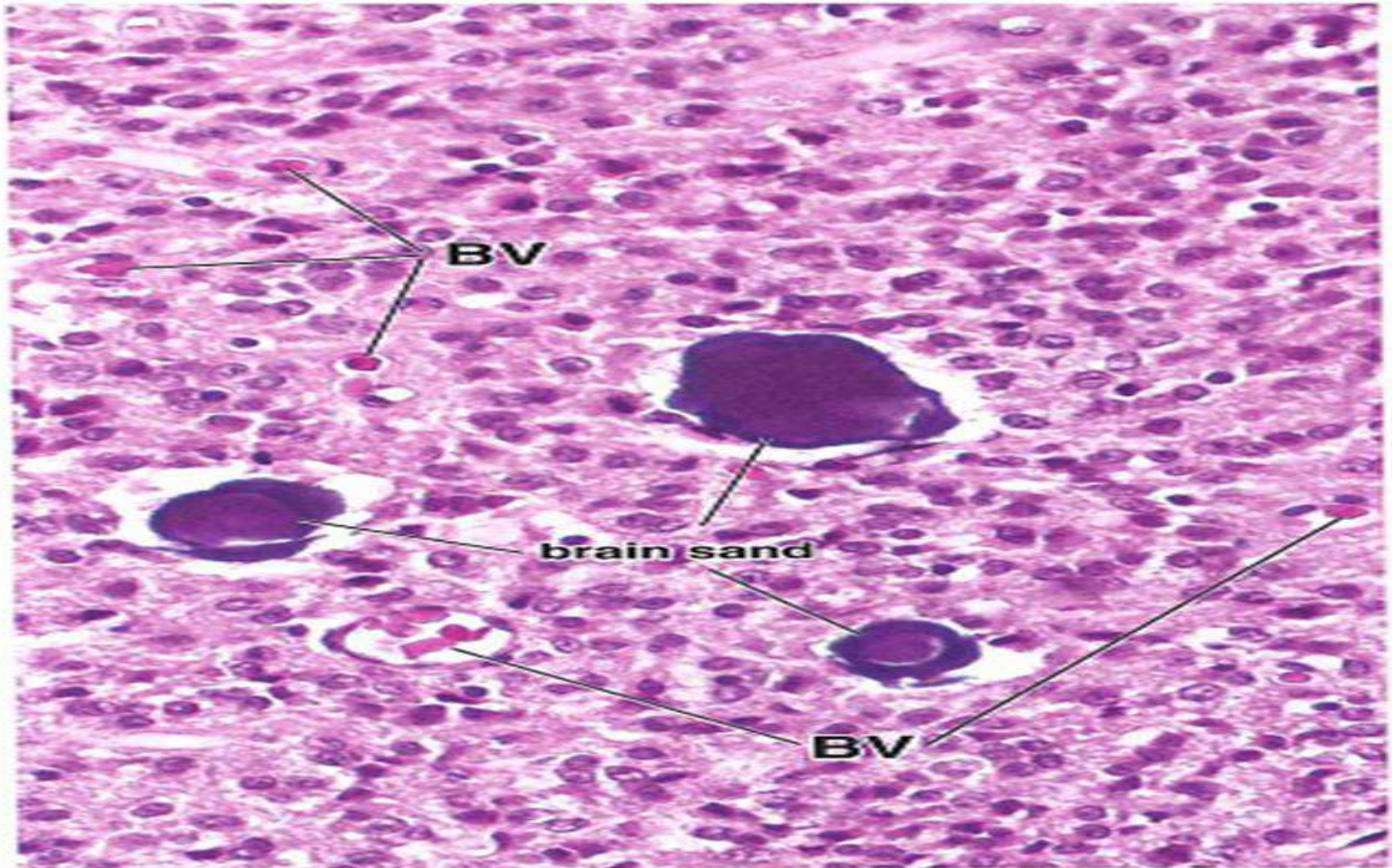
Pancreas (Islets of Langerhans)



Pineal gland



Pineal gland (corpora arnaciae)



EM of NEUROENDOCRINE CELL

