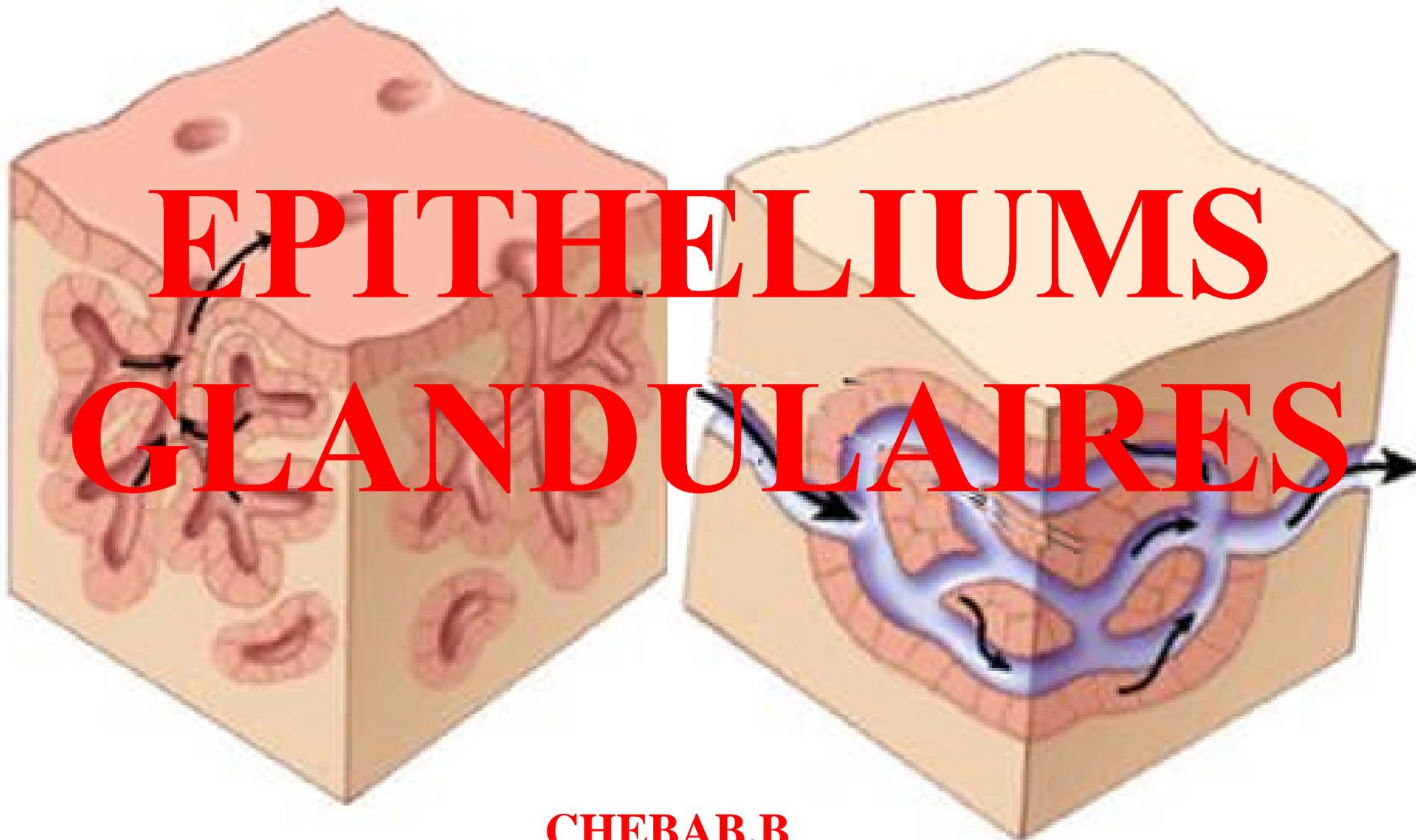


EPITHELIUMS GLANDULAIRES



CHEBAB.B

Ce sont des formations associés au tissu conjonctif et à ses vaisseaux sanguins.

Ce sont des tissus dont les cellules élaborent une ou plusieurs substances spécifiques qu'elles excrètent pour l'usage des tissus de l'organisme.

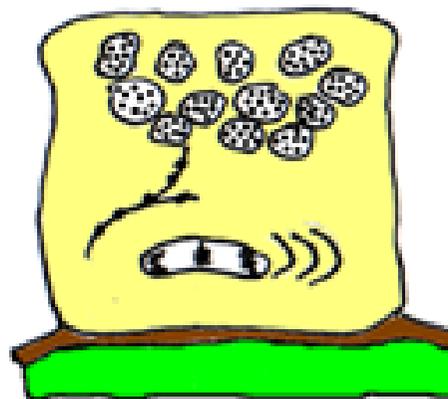
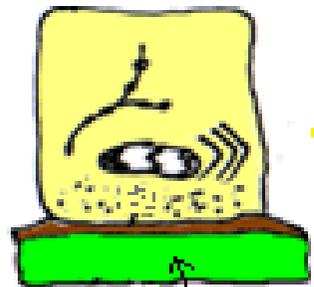
CHEBAB.B

ACTIVITE GLANDULAIRE

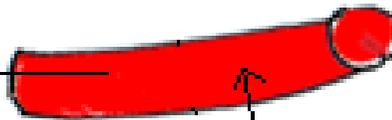
CHEBAB.B

Phase de mise en charge

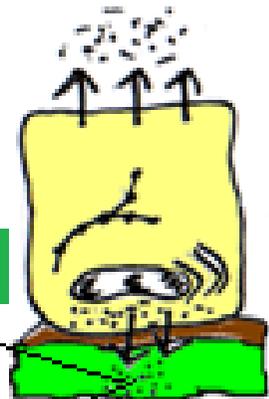
Phase de secretion



Precursseur



Glande Exocrine

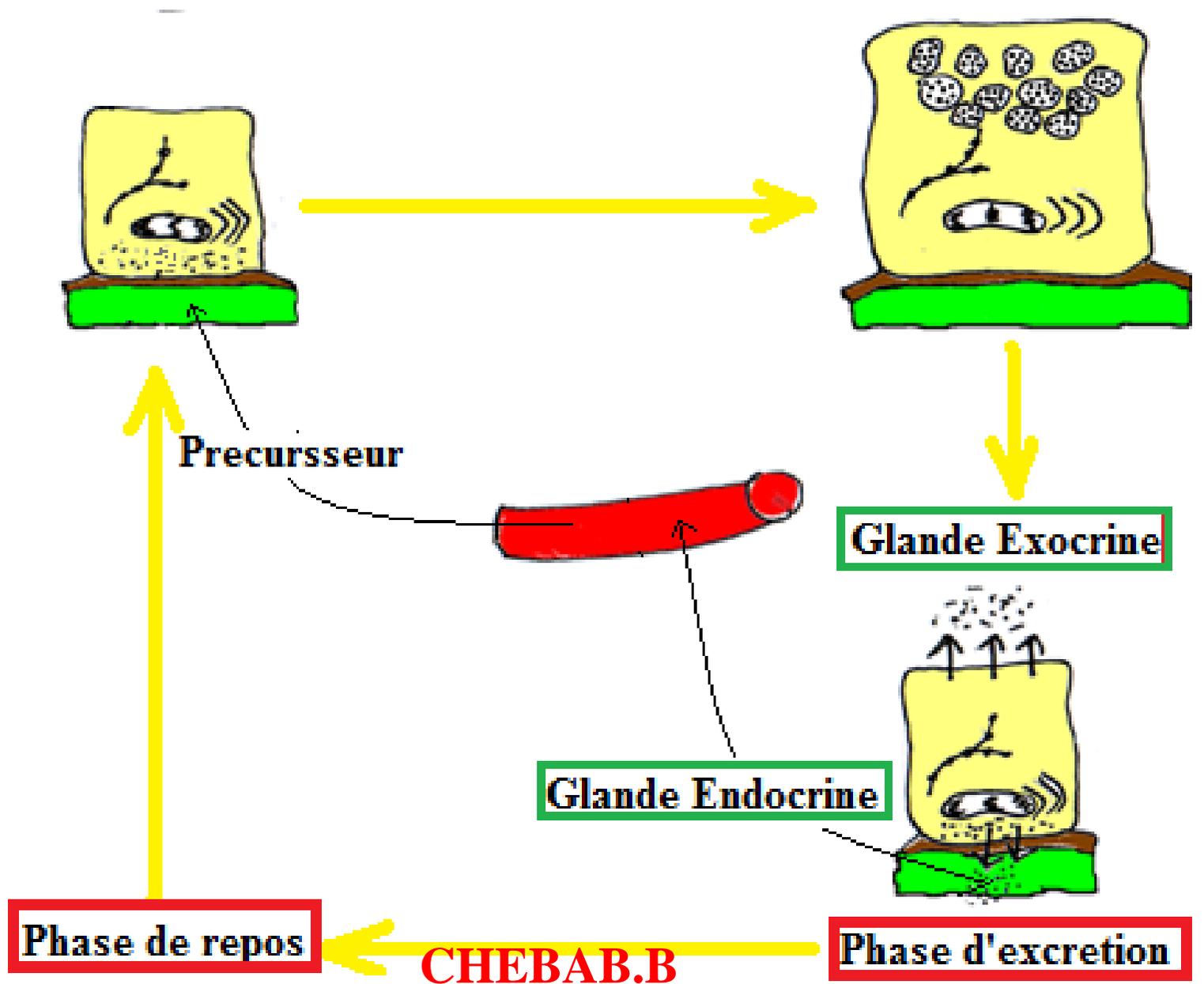


Glande Endocrine

Phase de repos

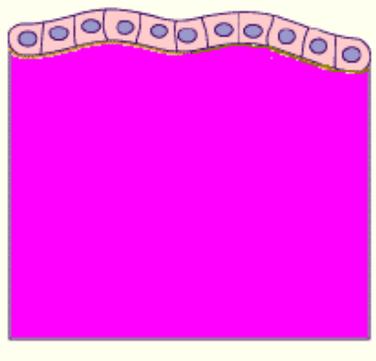
Phase d'excretion

CHEBAB.B

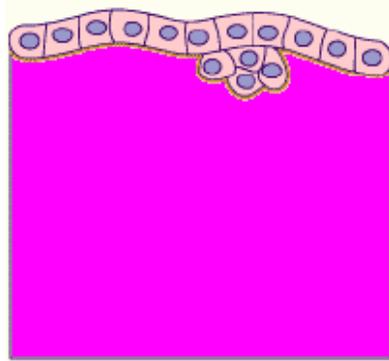


HISTOGENESE DES GLANDES

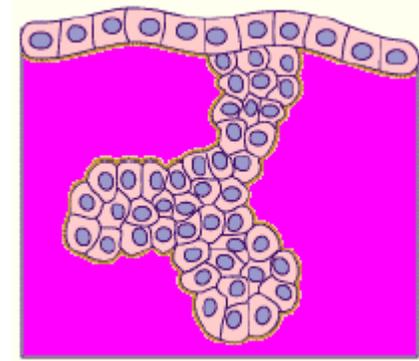
CHEBAB.B



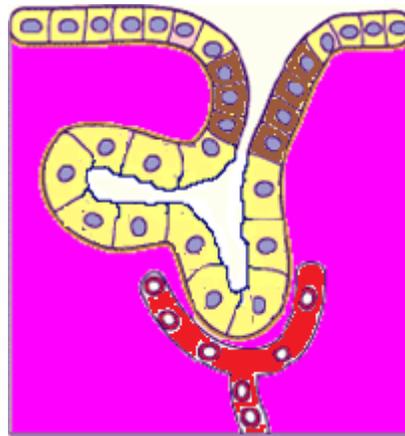
Epithélium de revêtement



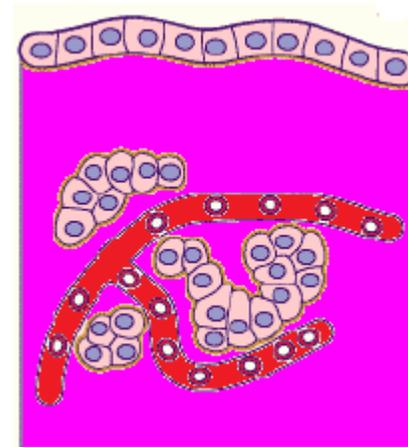
bourgeonnement de l'E R



prolifération du bourgeon épithélial

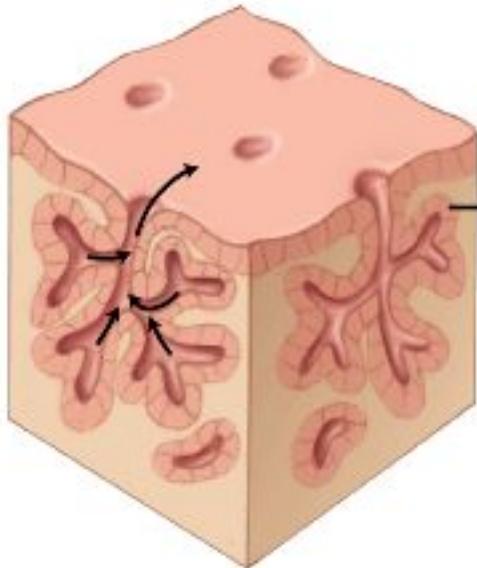


glande exocrine

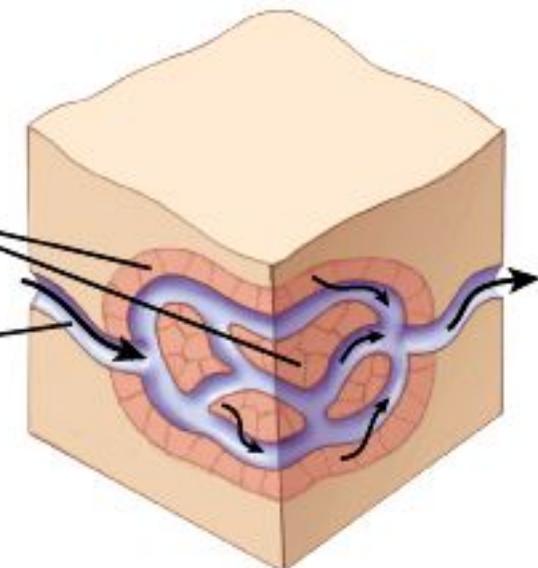


glande endocrine

Glande exocrine



Glande endocrine



**Cellules
épithéliales**

**Circulation
sanguine**

Pancréas exocrine

Glande thyroïde

CHEBAB.B

LES GLANDES EXOCRINES.

CHEBAB.B

Les glandes exocrines sont en relation avec :

-la surface de l'organisme (épiderme)

-la lumière d'un organe creux (intestin)

Grâce à un canal excréteur

Le canal excréteur permet le passage de la sécrétion glandulaire qui est élaborée au niveau d'une portion sécrétrice

CHEBAB.B

CLASSIFICATION DES GLANDES EXOCRINES

CHEBAB.B

3 critères de classification

1- MORPHOLOGIE DES GLANDES EXOCRINES

2 - NATURE DU PRODUIT SECRETE

3 - MODE D'EXCRETION

CHEBAB.B

1

MORPHOLOGIE

DES

GLANDES

EXOCRINES

CHEBAB.B

1 - GLANDES EXOCRINES
UNICELLULAIRE

2 - GLANDES EXOCRINES
MULTICELLULAIRES



GLANDES
EXOCRINES DE
SURFACE

GLANDES
EXOCRINES
ENFOUIES

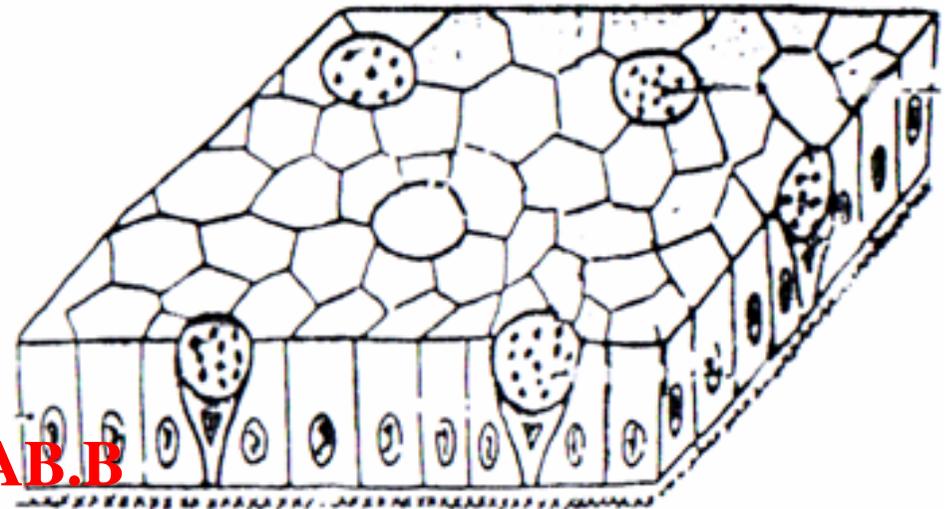
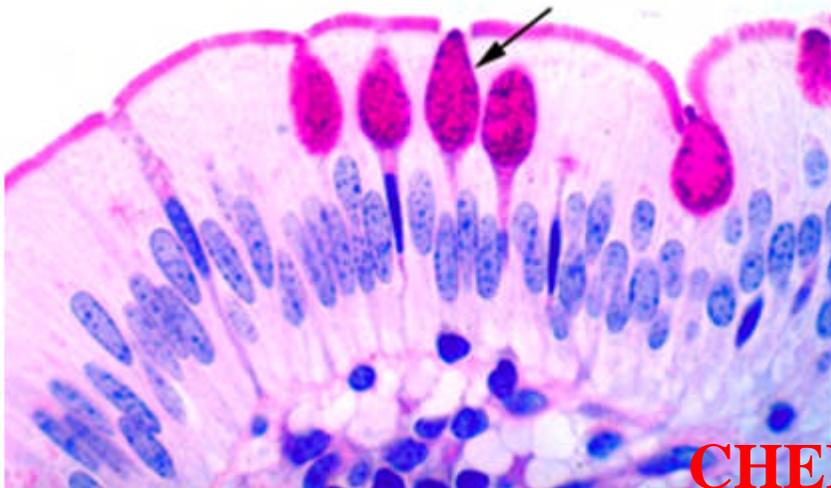
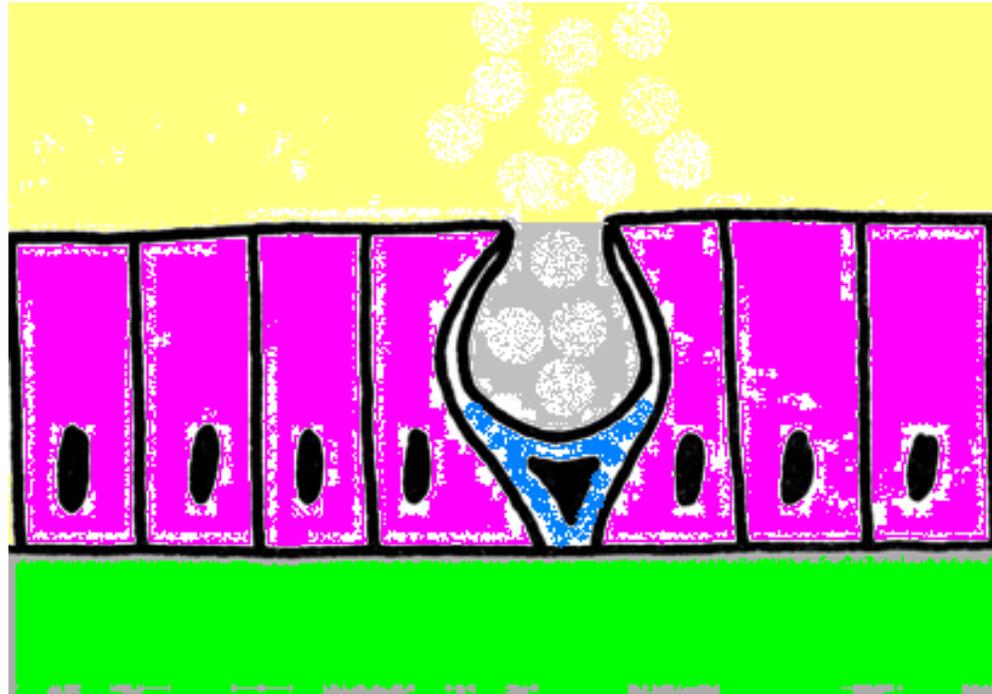
DANS LE
TISSU
CONJONCTIF

CHEBAB.B

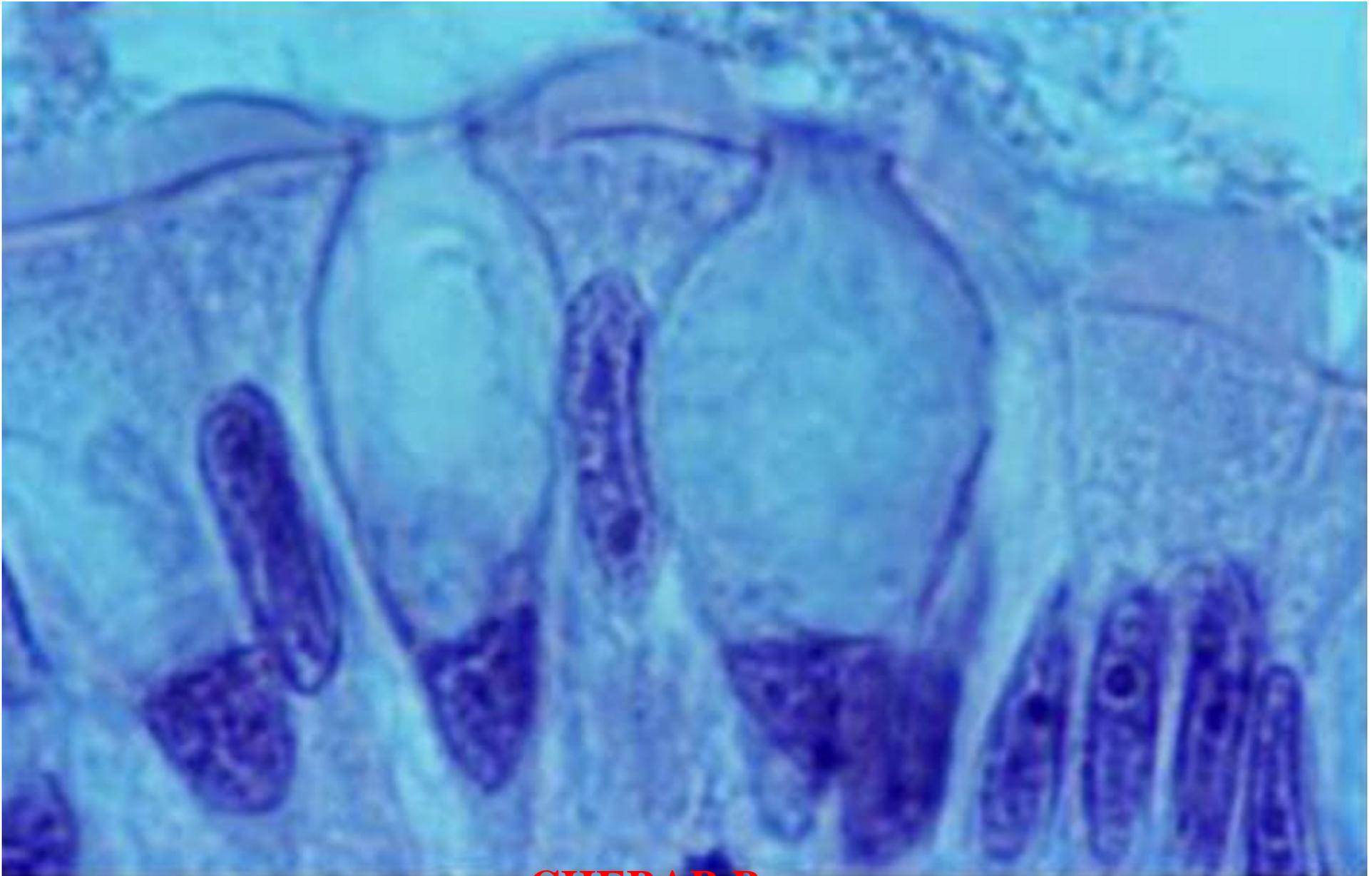
**GLANDE
EXOCRINE
UNICELLULAIRE**

CHEBAB.B

cellule caliciforme



CHEBAB.B



CHEBAB.B

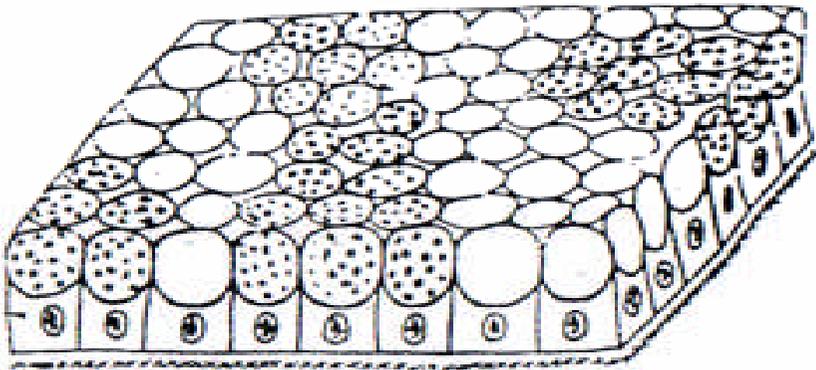
**GLANDES
EXOCRINES
MULTICELLULAIRES**

CHEBAB.B

GLANDES DE SURFACE

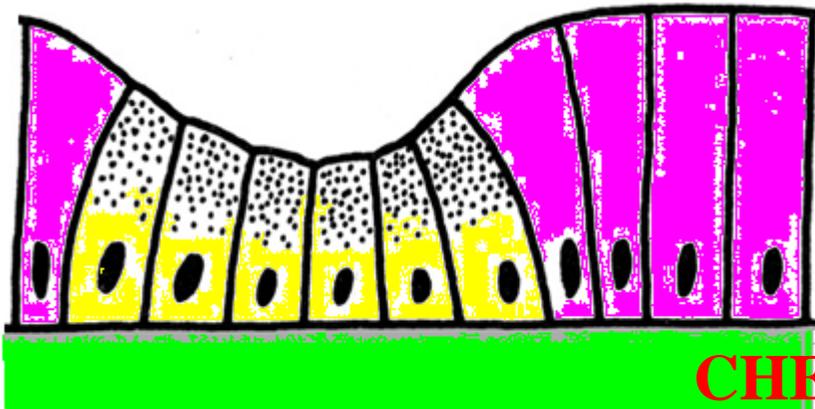
glande en feuillet

E R gastrique

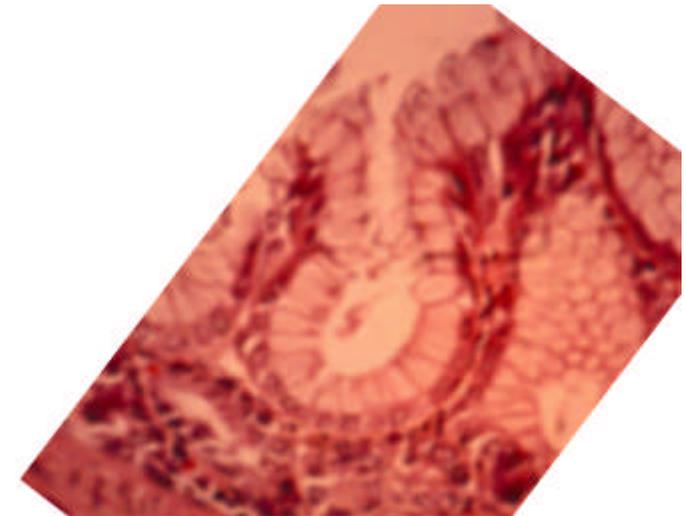


glande intra épithéliale

E R nasal



CHEBAB.B



GLANDES ENFOUIES DANS LE T C

Elles constituent la majeure partie des glandes exocrines

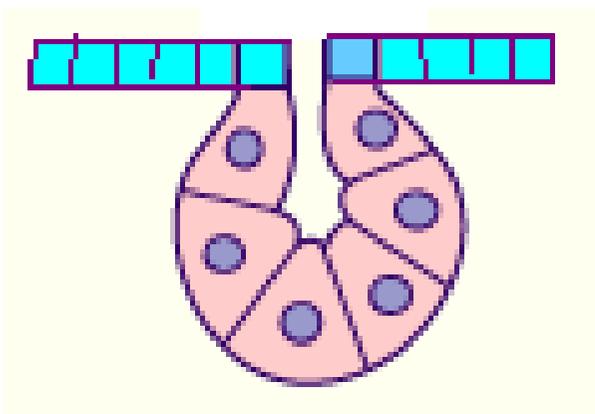
Elles sont constituées :

- d'un ou plusieurs canaux
- de portions sécrétrices.

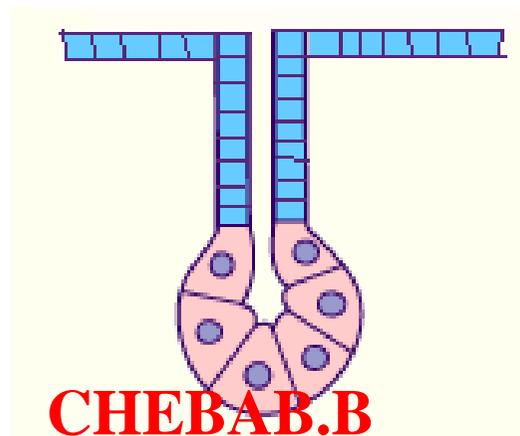
CHEBAB.B

Forme du canal excréteur

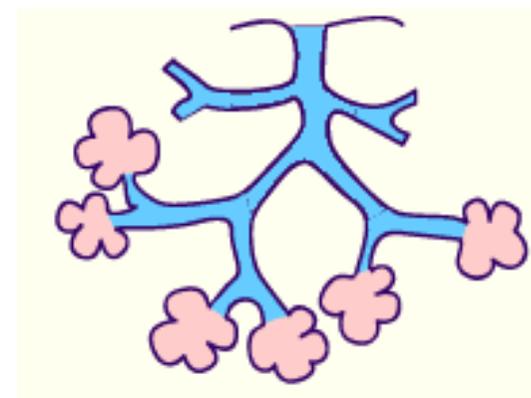
absent



simple



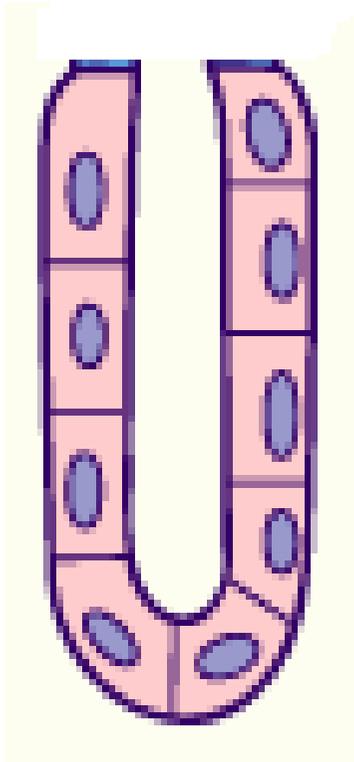
composé



forme de la portion sécrétrice

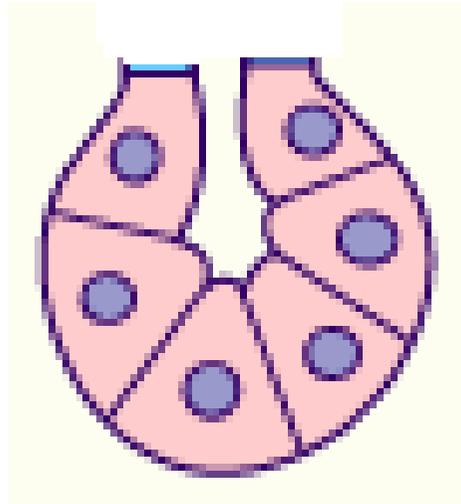
portion
sécrétrice

TUBULEUSE



portion
sécrétrice

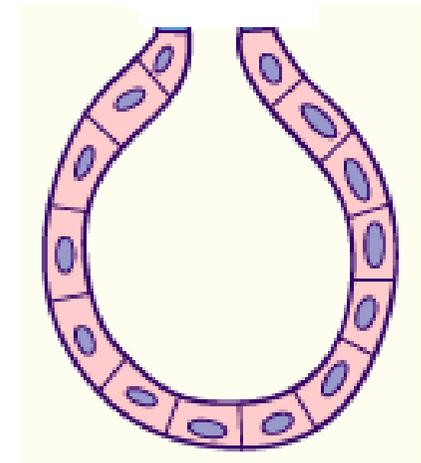
ACINEUSE



CHEBAB.B

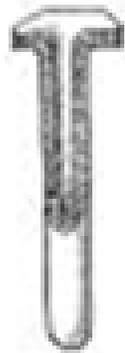
portion
sécrétrice

ALVEOLAIRE



VARIÉTÉS GLANDULAIRES

CHEBAB.B



GE
tubuleuse
(sans canal
excréteur)

glande intestinale
de lieberkuhn.



GE
tubuleuse
simple
contournée

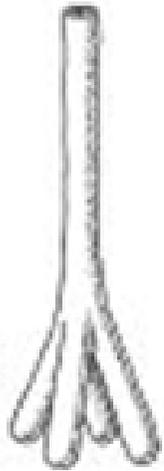
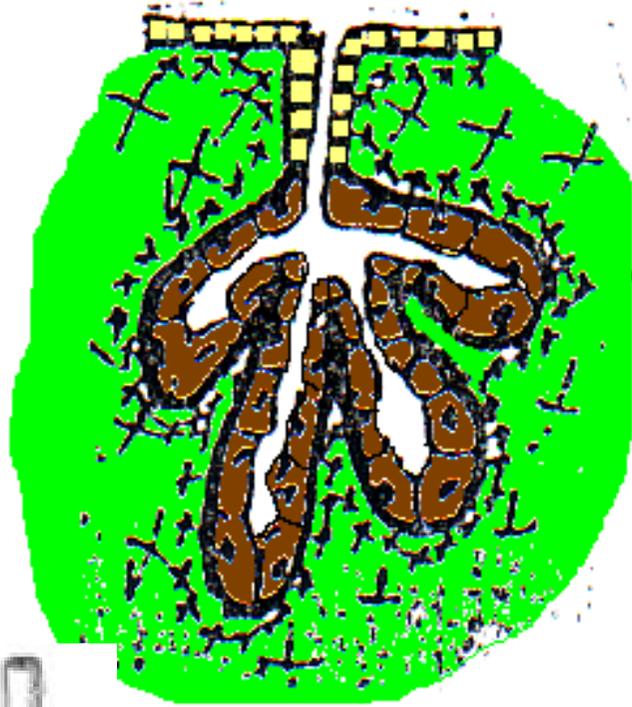
glande pylorique
(estomac).

CHEBAB.B



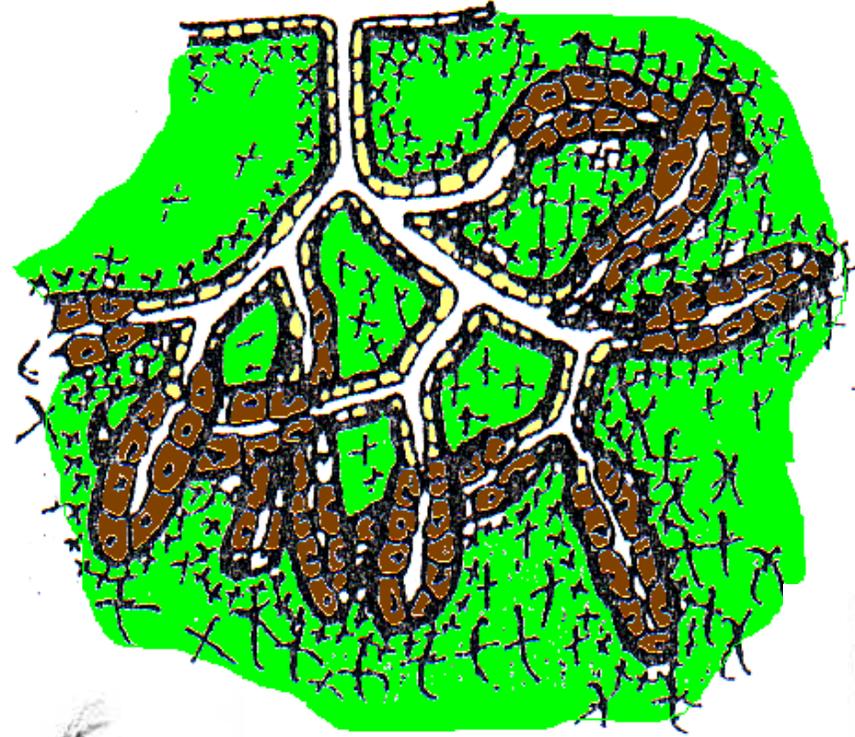
GE
tubuleuse
simple
pelotonnée

glande sudoripare
(peau).



G E
tubuleuse
simple
ramifiée

glande de Brunner
(duodénum).

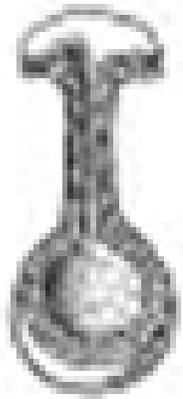
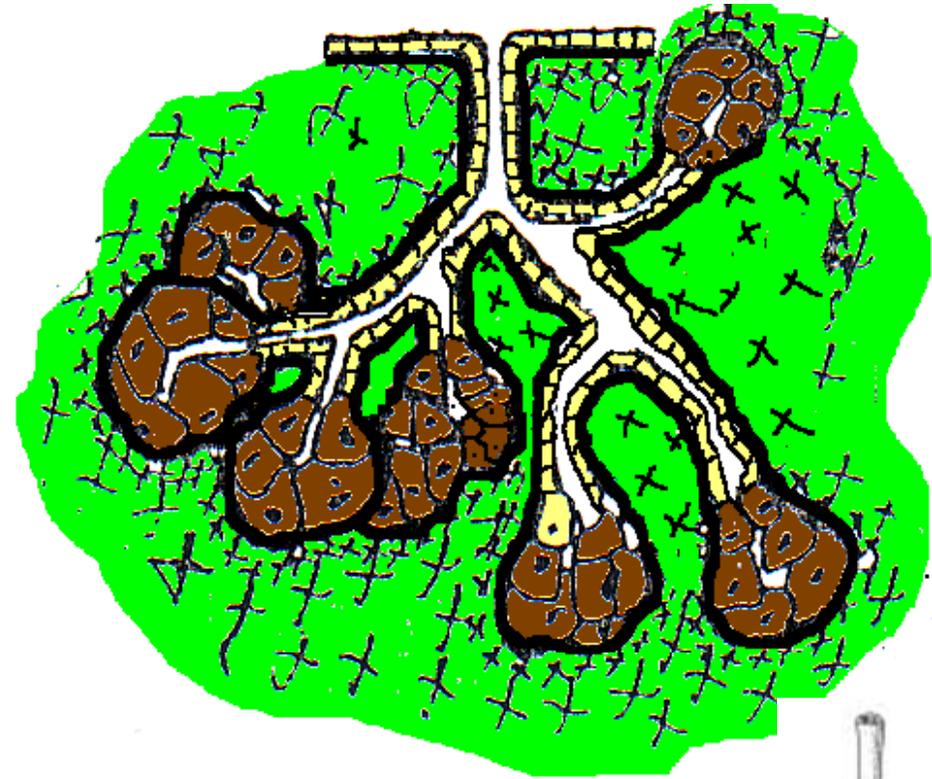
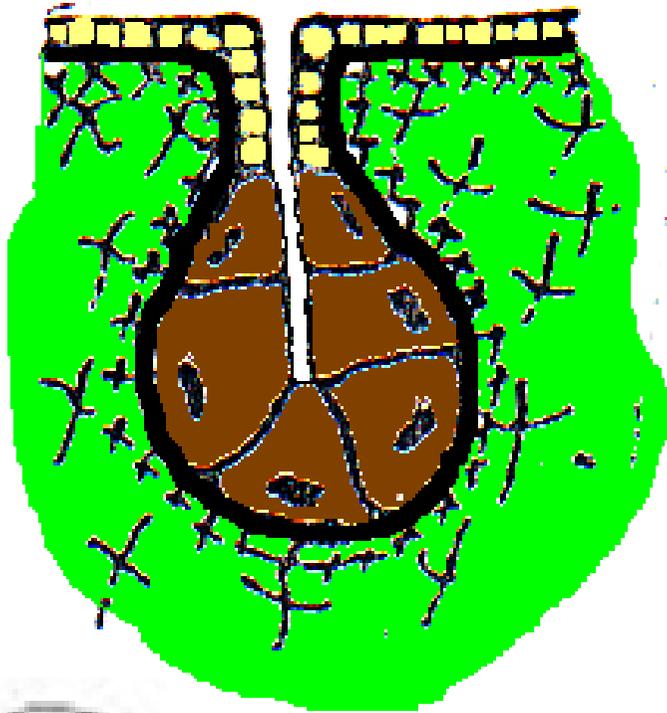


G E
tubuleuse
composée

glande
muqueuse
la bouche.



CHEBAB.B



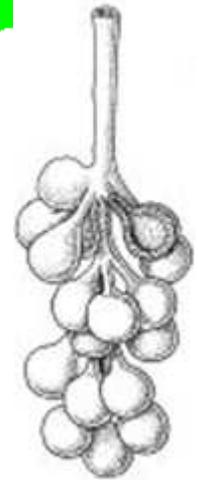
G E
acineuse
simple

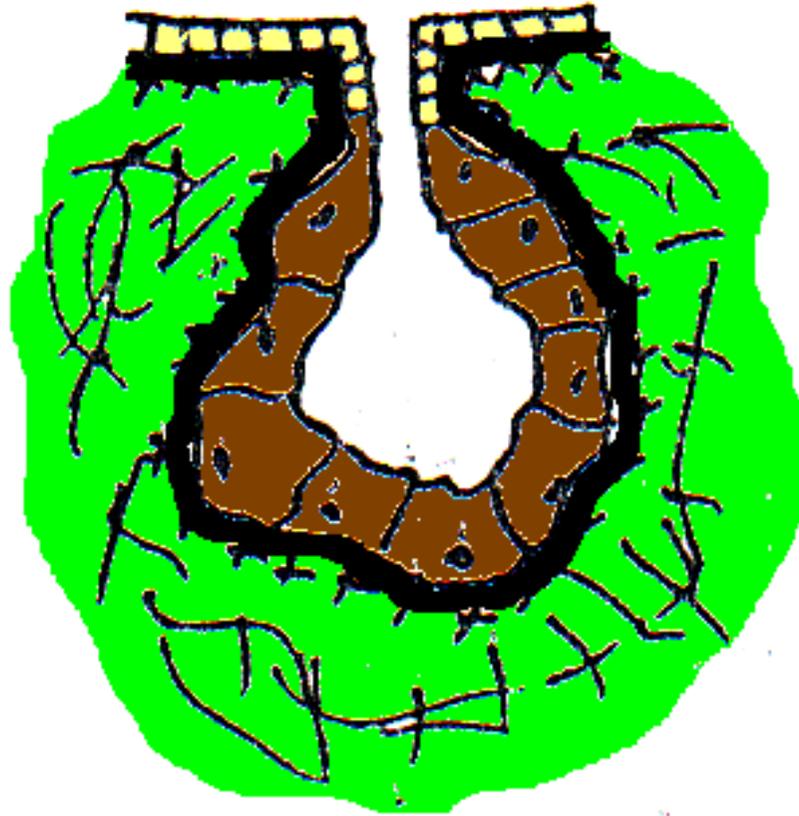
Glande de poison
(amphibiens).

CHEBAB.B

G E
acineuse
composée

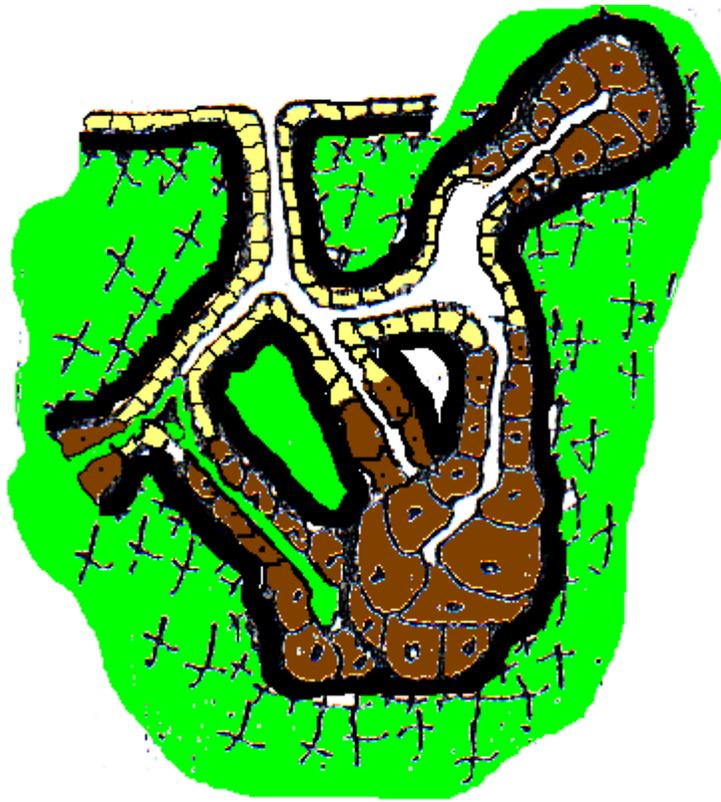
pancréas exocrine.





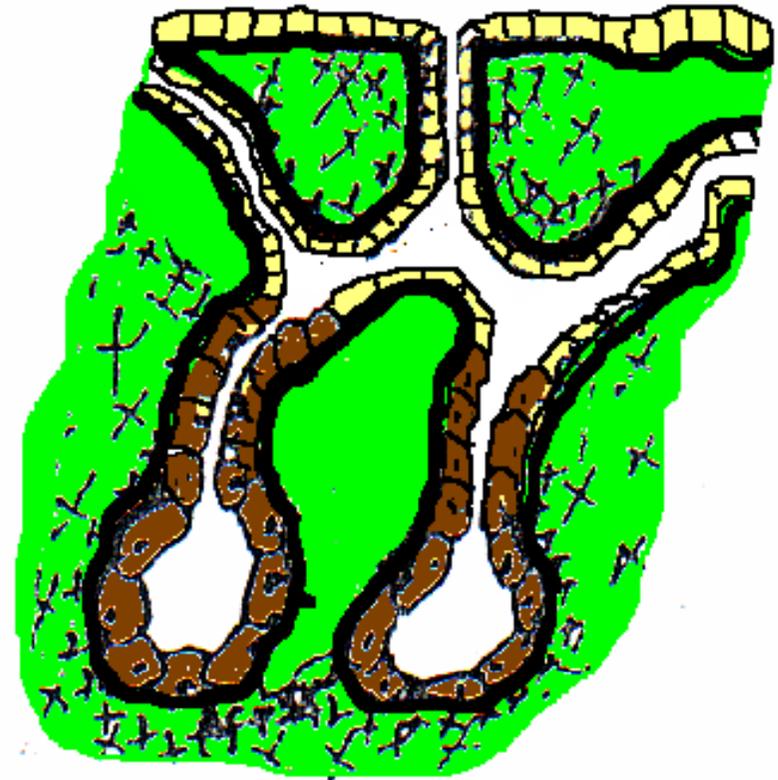
G E
alvéolaire
simple

glande sébacée (peau).
CHEBAB.B



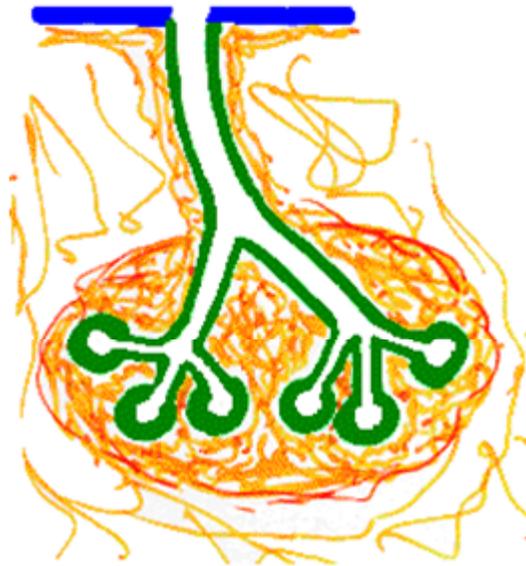
G E
tubulo-acineuse
composée

glandes salivaires accessoires.
CHEBAB.B



G E
tubulo-alvéolaire
composée

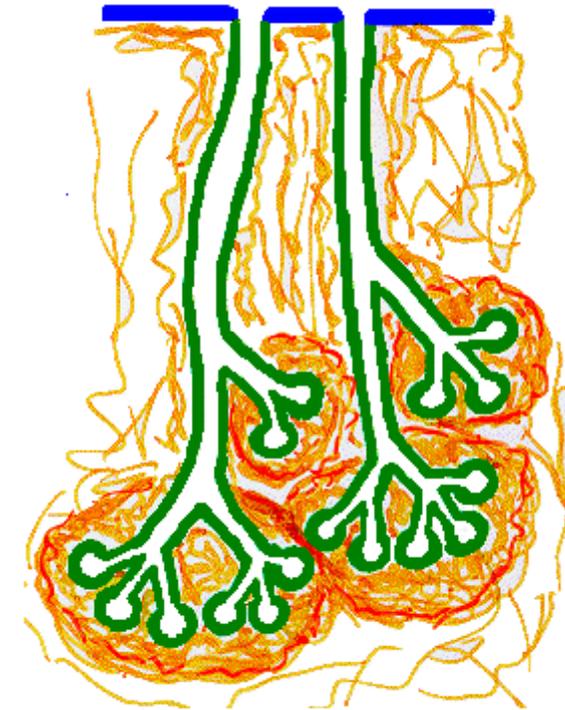
glande mammaire.



**GE Composée
unilobulaire**



**GE Composée
plurilobulaire
conglomérée**



**GE Composée
Plurilobulaire
Conglobée**

CHEBAB.B

2

**NATURE DU
PRODUIT
SECRETE**

CHEBAB.B

Les produits élaborés par les cellules glandulaires exocrines sont variés :

grains de mucine ,

enzymes ,

salive,

sueur,

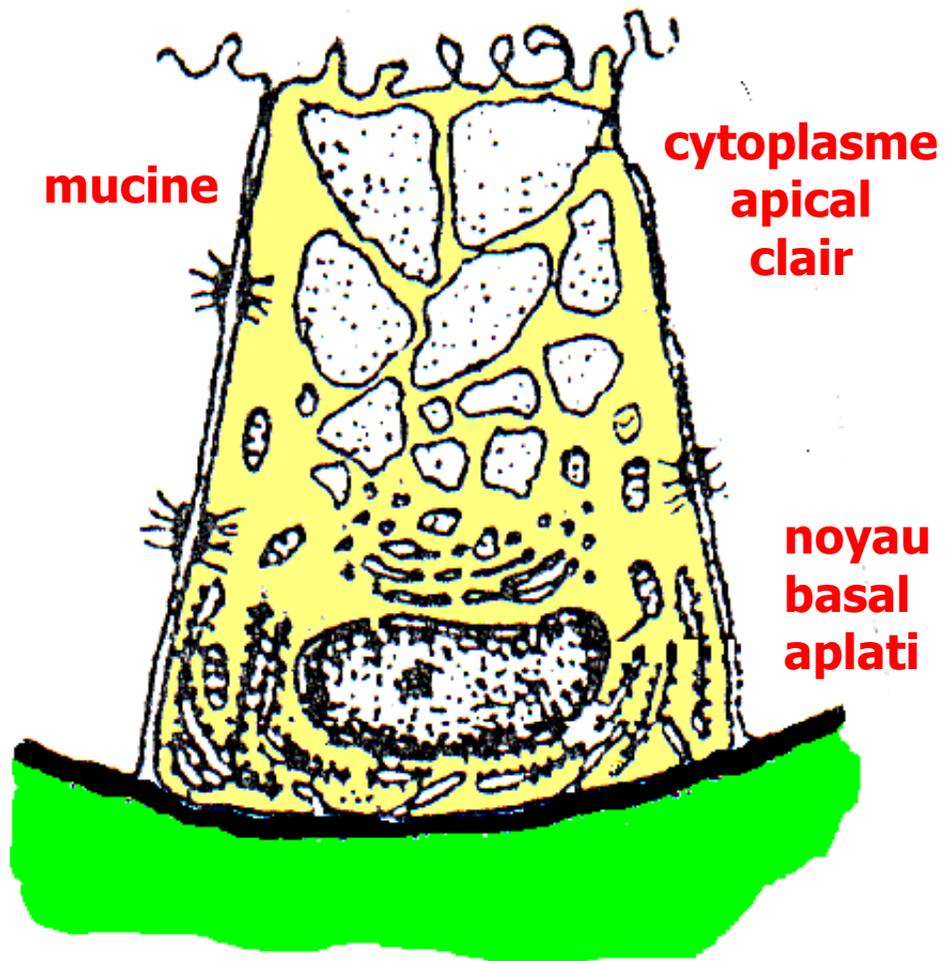
sébum,

lait et c...

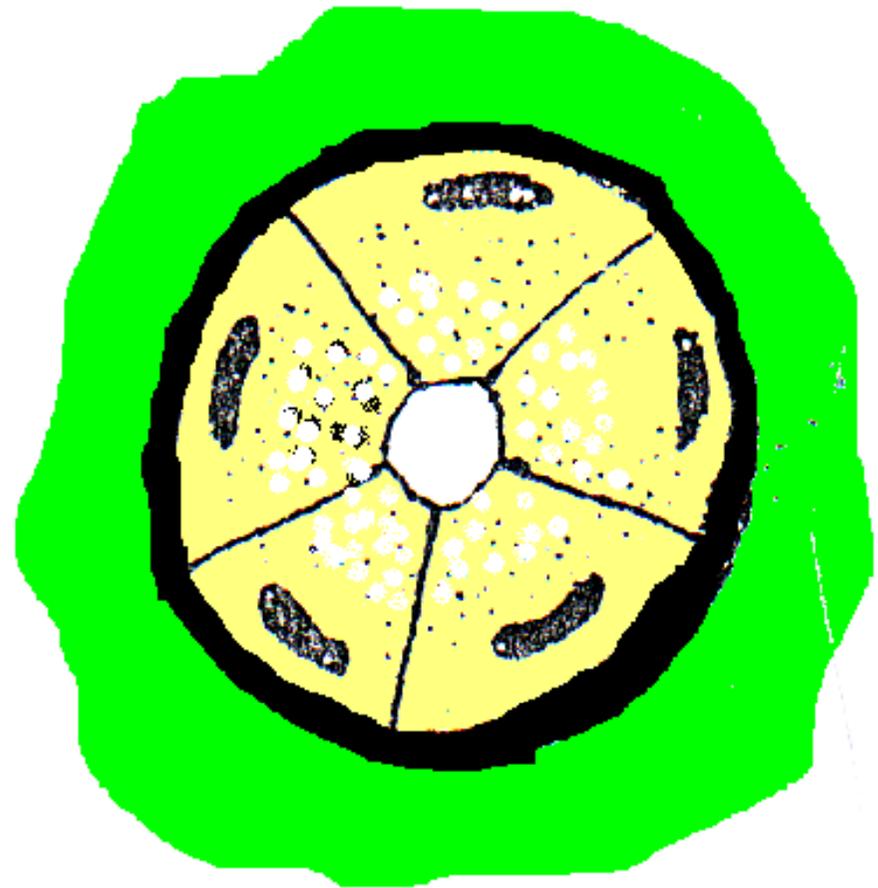
CHEBAB.B

PRODUIT MUQUEUX

CHEBAB.B



cellules muqueuses à pôle muqueux fermé



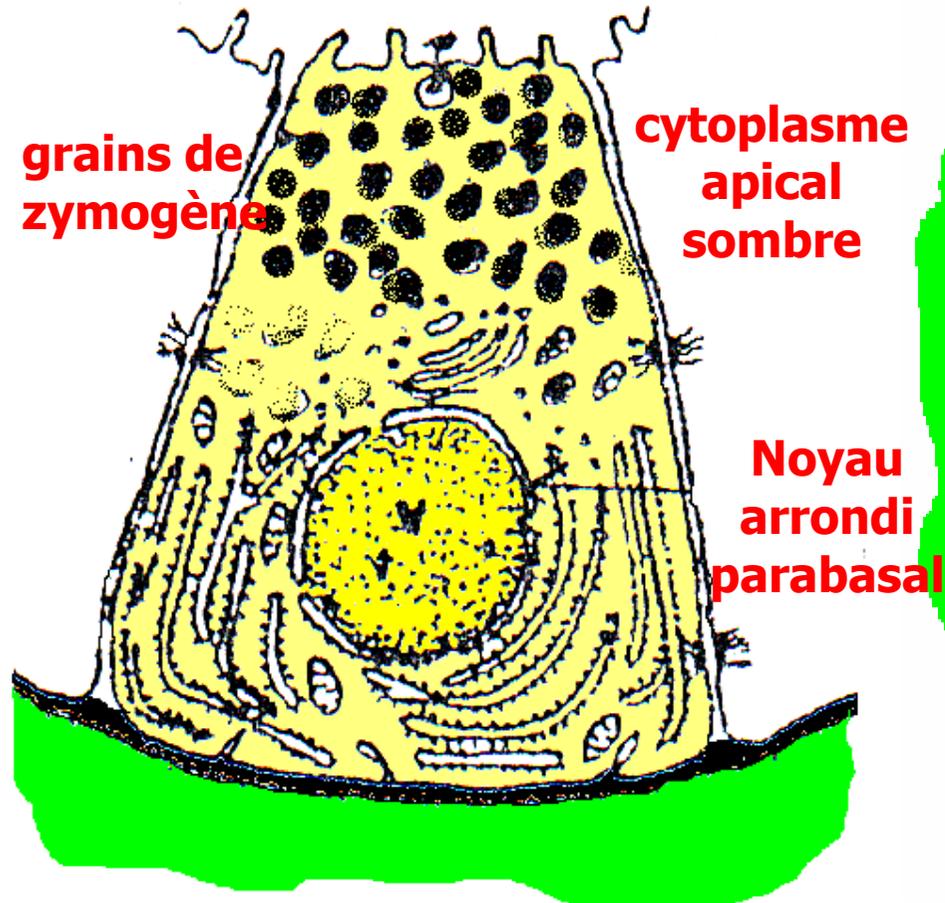
acinus muqueux

Lumière visible

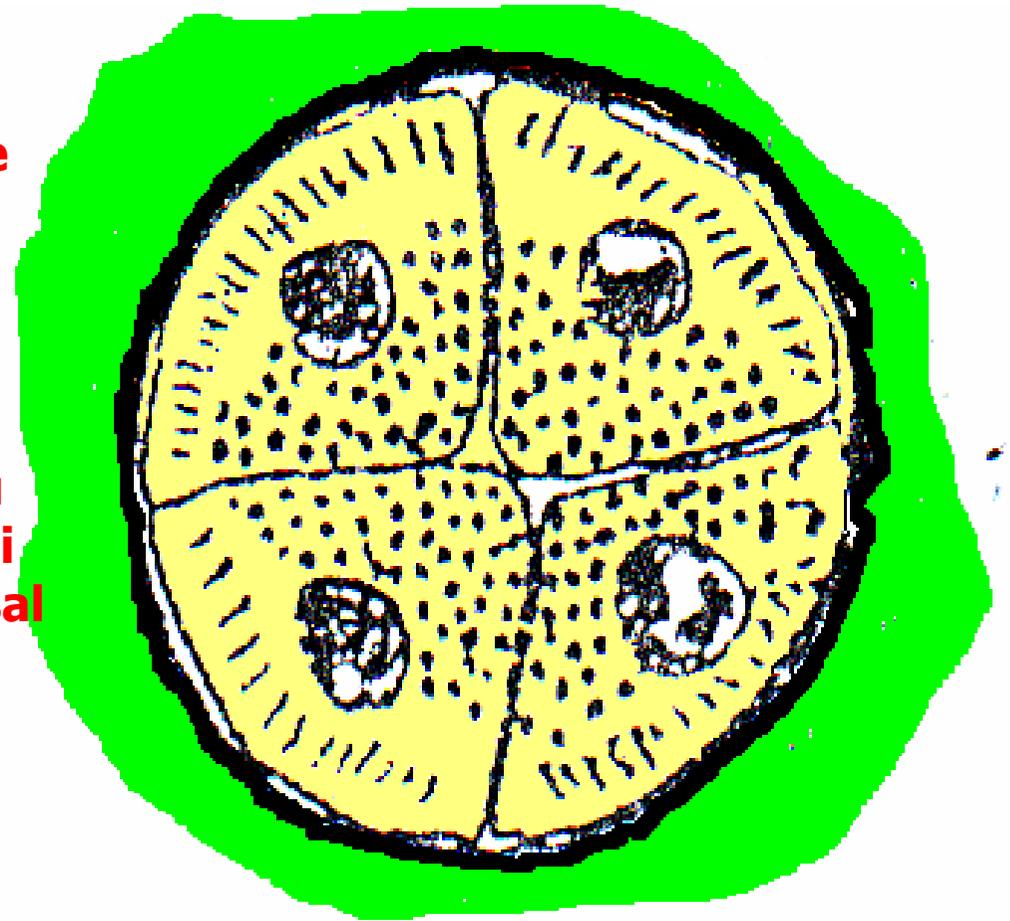
glandes pyloriques

**PRODUIT
SEREUX**

CHEBAB.B



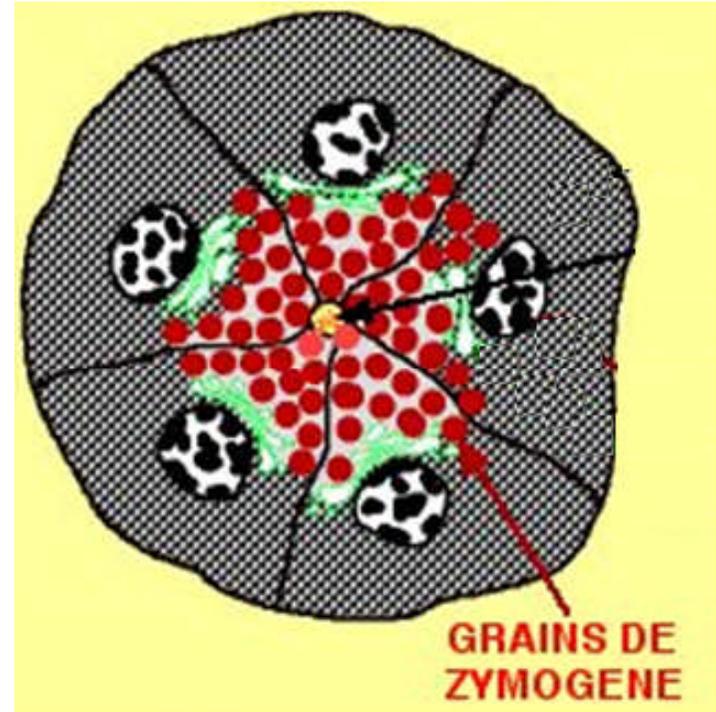
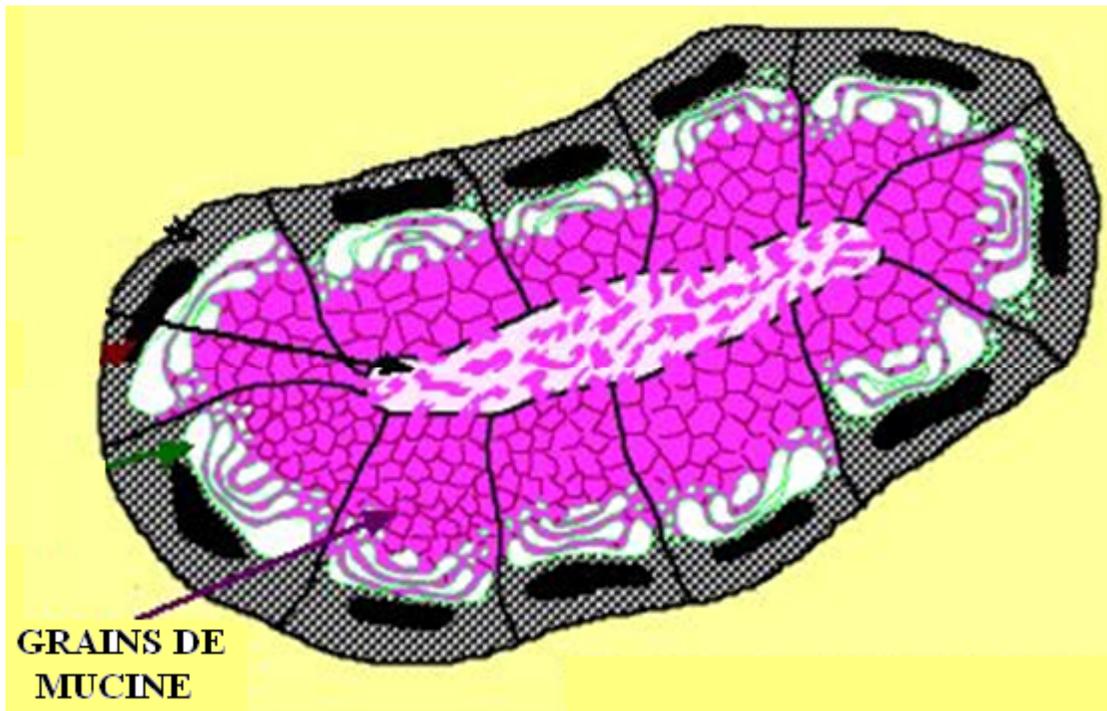
cellules séreuses



acinus séreux

Lumière virtuelle

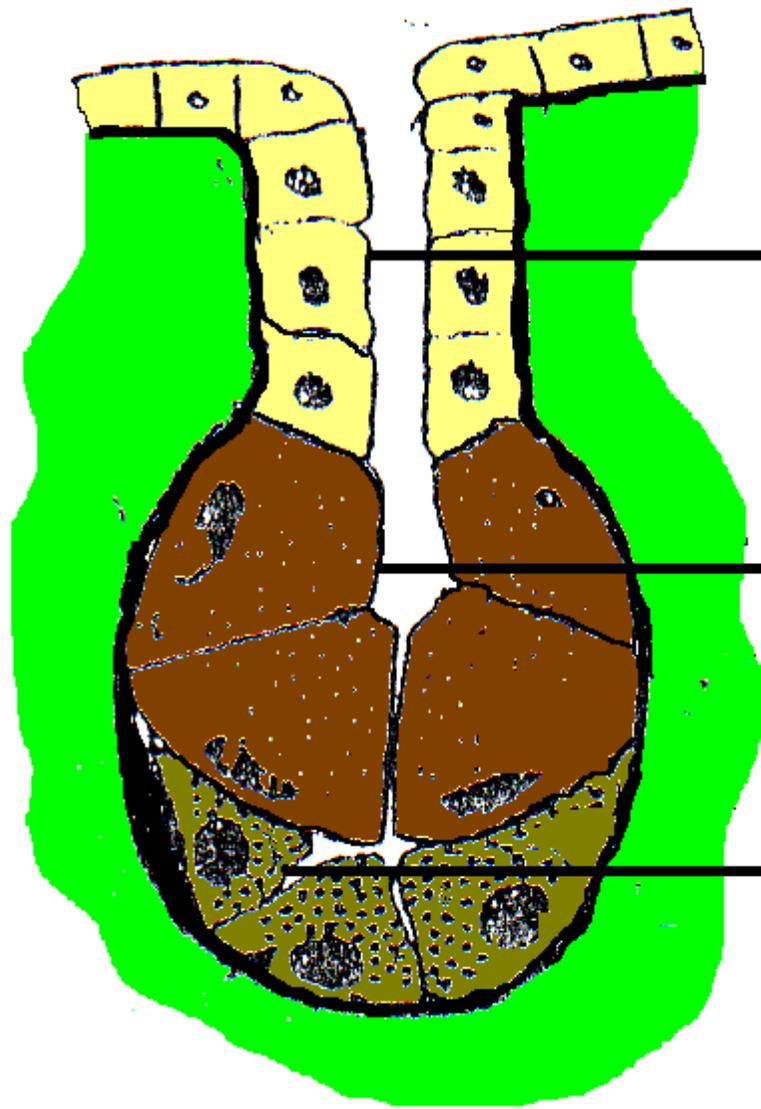
pancréas exocrine.



CHEBAB.B

PRODUIT SERO-MUQUEUX

CHEBAB.B



Canal excréteur

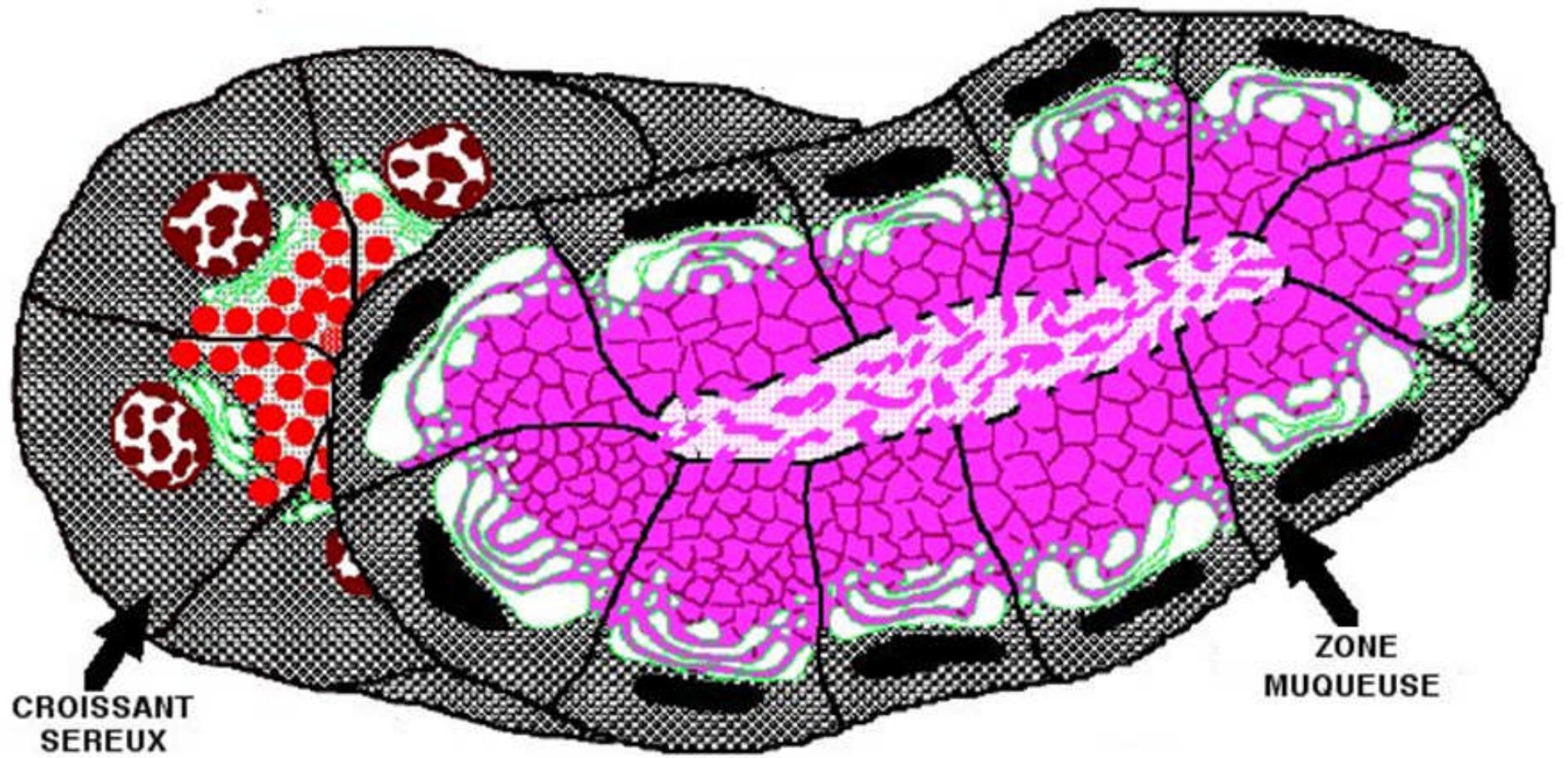
Portion muqueuse

Portion séreuse

**croissant
de gianuzzi**

glande mixte séro-muqueuse

glande salivaire
GHEBAB.B



CHEBAB.B

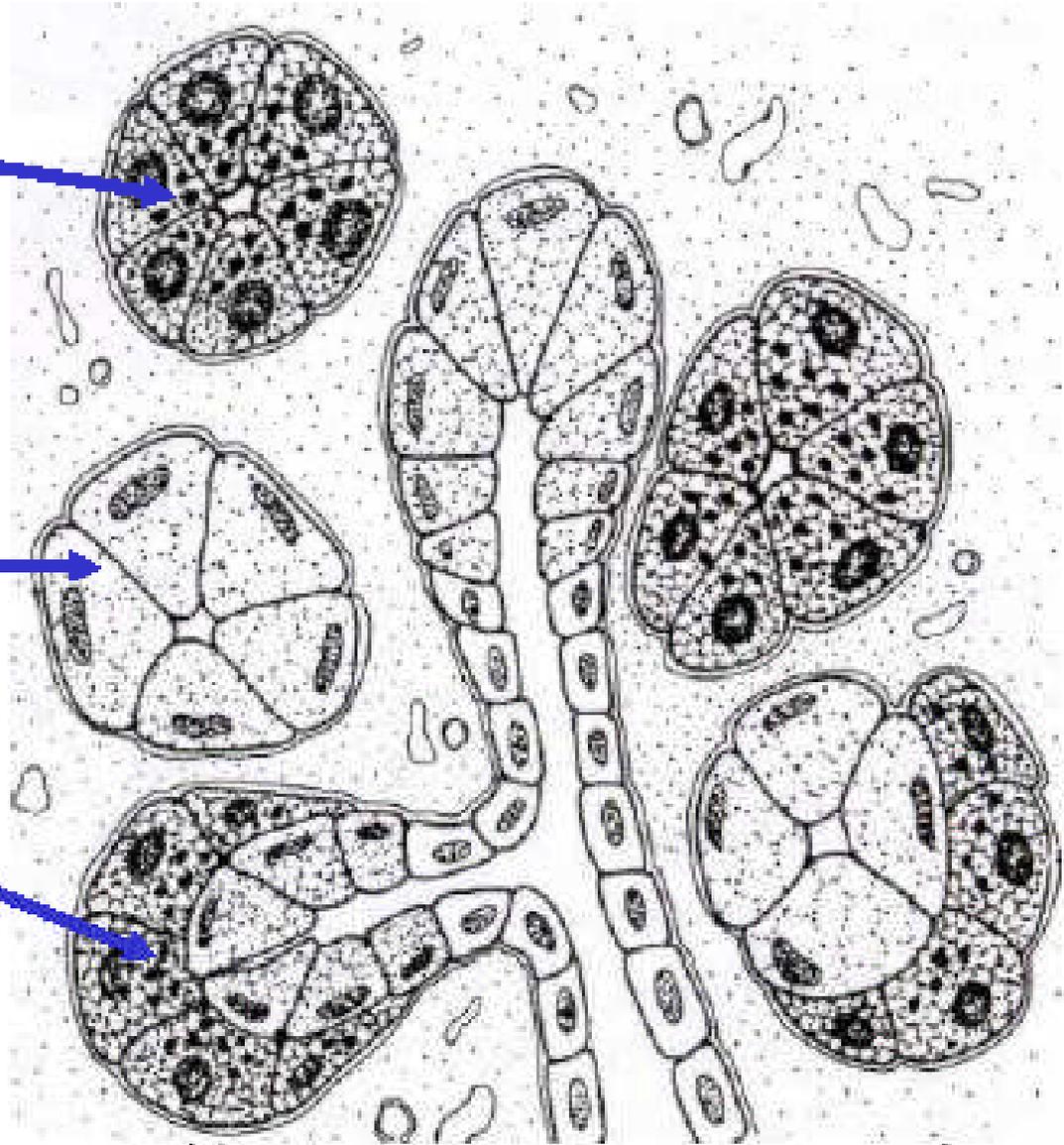
**Portion secretrice
Sereuse**



**Portion secretrice
Muqueuse**



**Portion secretrice
Sero-muqueuse**



CHEBAB.B

3

MODE

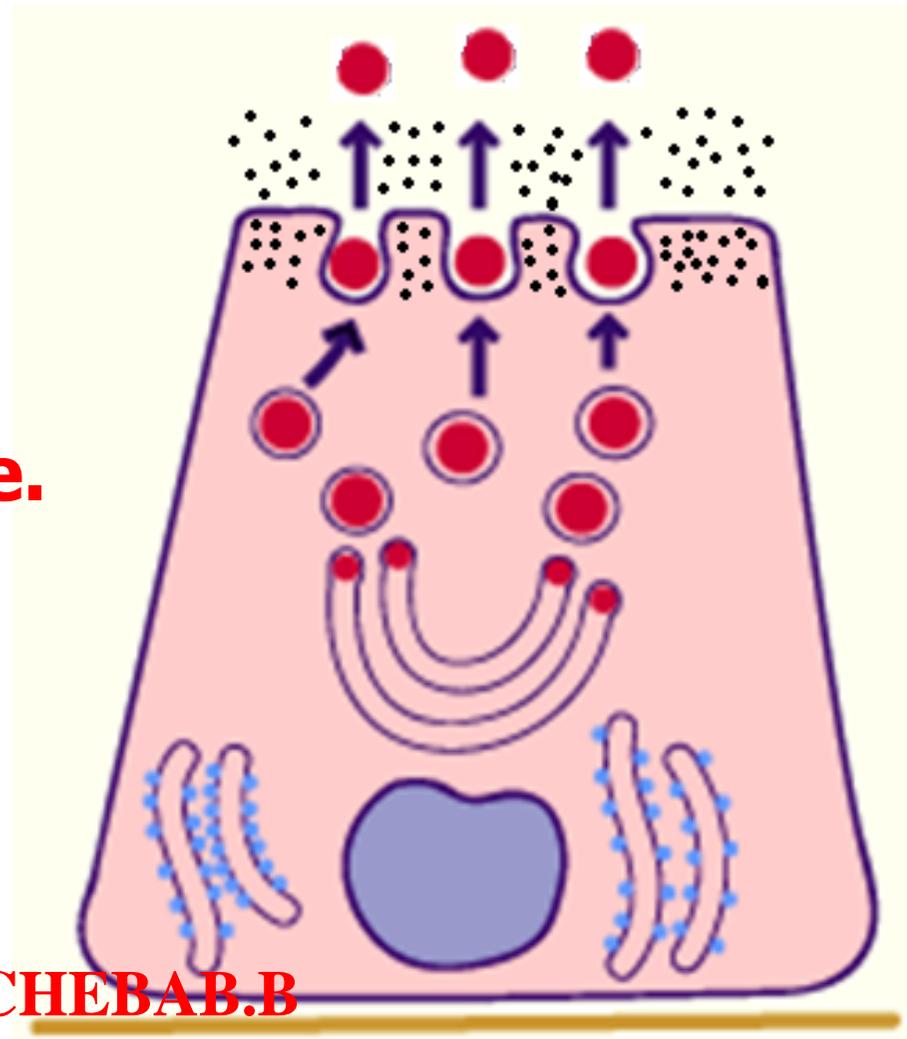
D'EXCRETION

CHEBAB.B

EXCRETION MEROCRINE

produit éliminé par diffusion et par exocytose

pancréas exocrine.

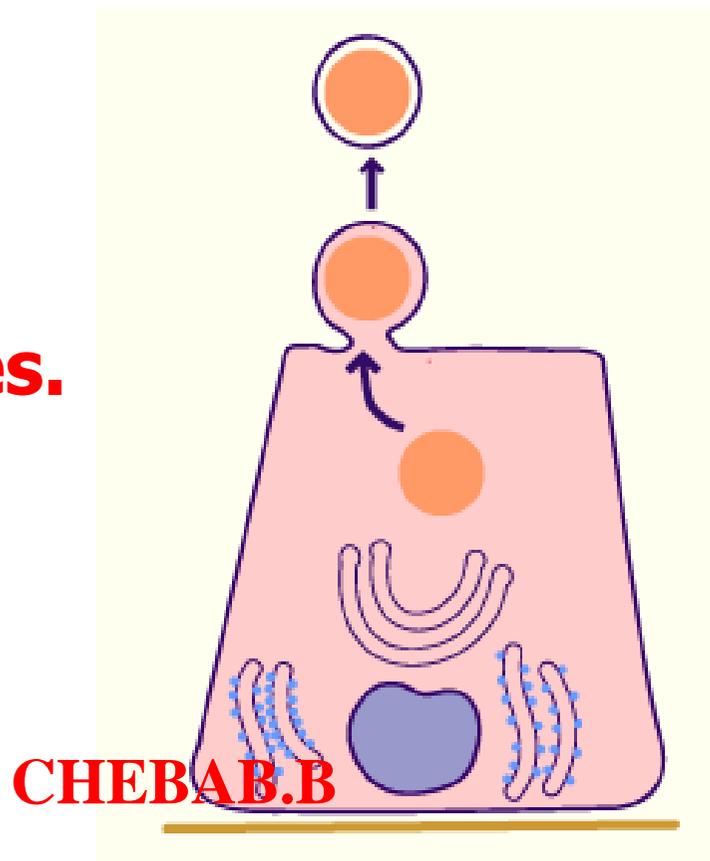


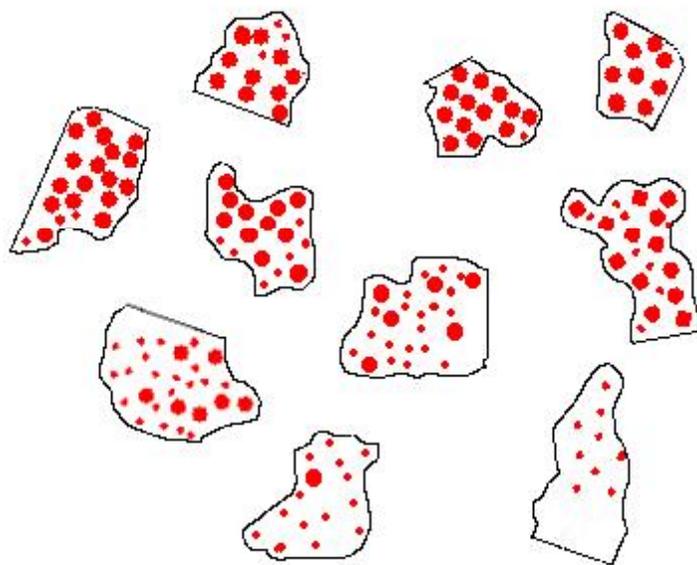
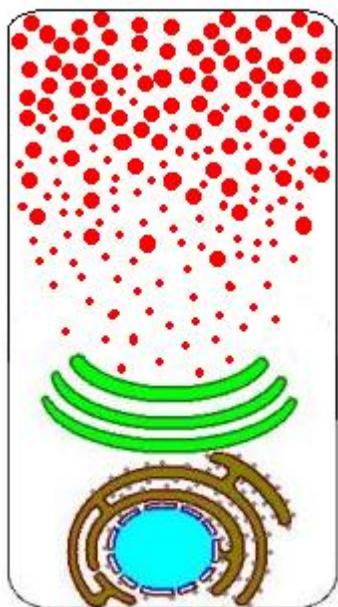
EXCRETION APOCRINE

produit éliminé avec une partie du cytoplasme apical qui se détache.

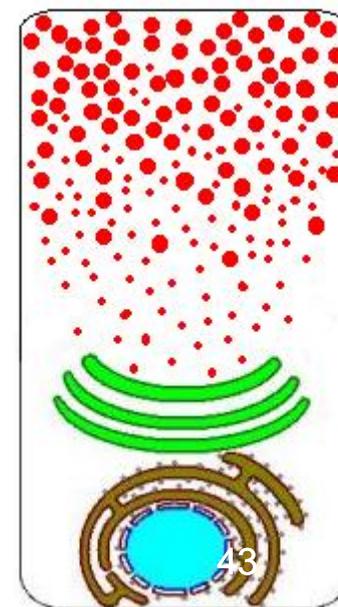
La cellule renouvelle ensuite ses organites perdus et restaure sa continuité

glandes mammaires.



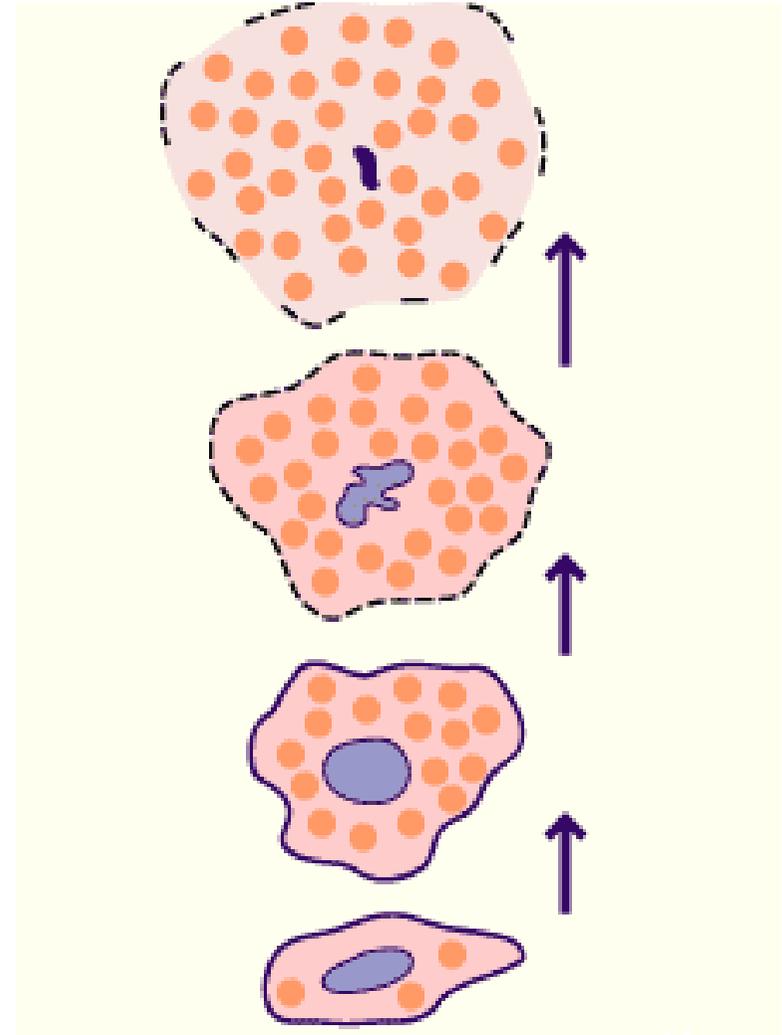
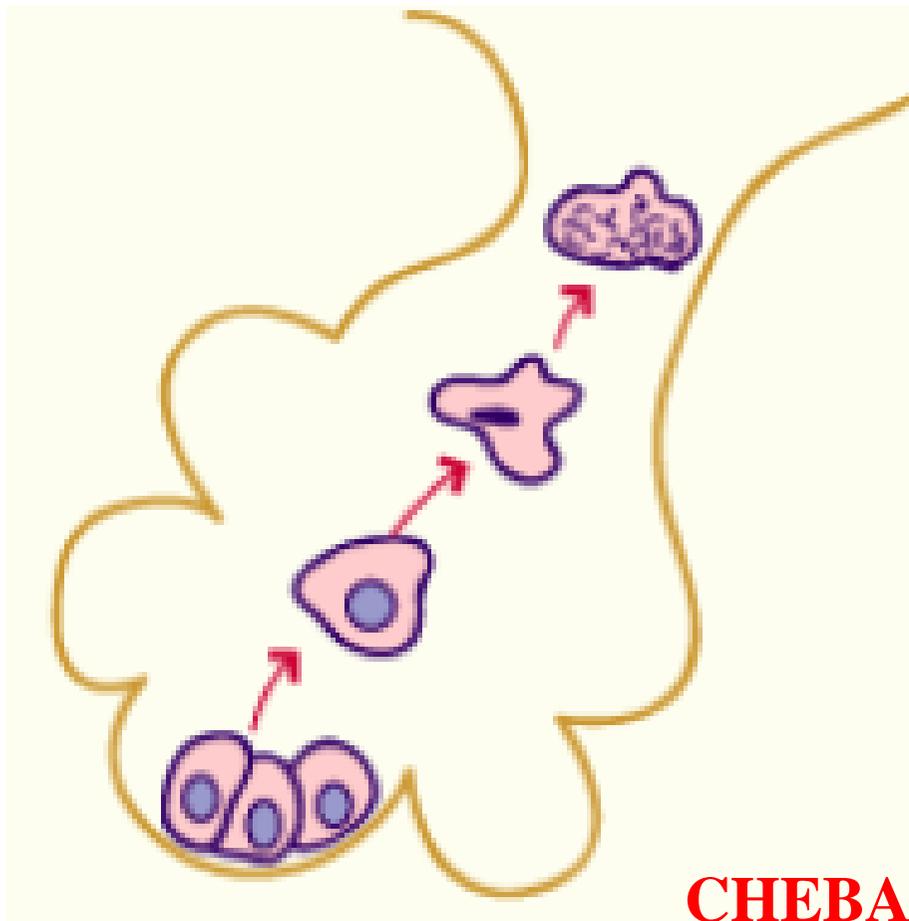


СНЕВАВ.В



EXCRETION HOLOCRINE

produit éliminé en même temps que la cellule
glandes sébacées.



MICROGRAPHS

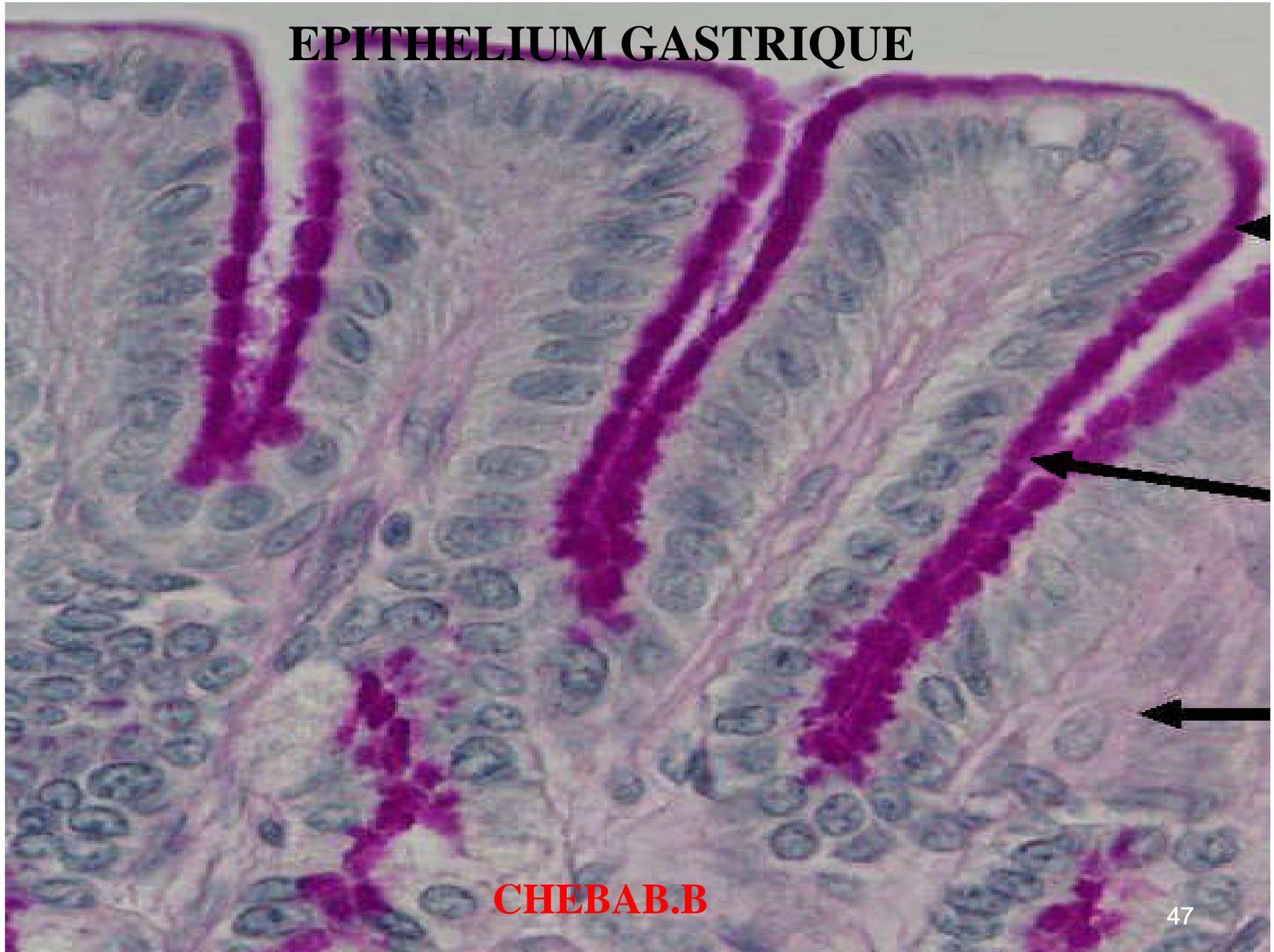
CHEBAB.B

CELLULE CALICIFORME



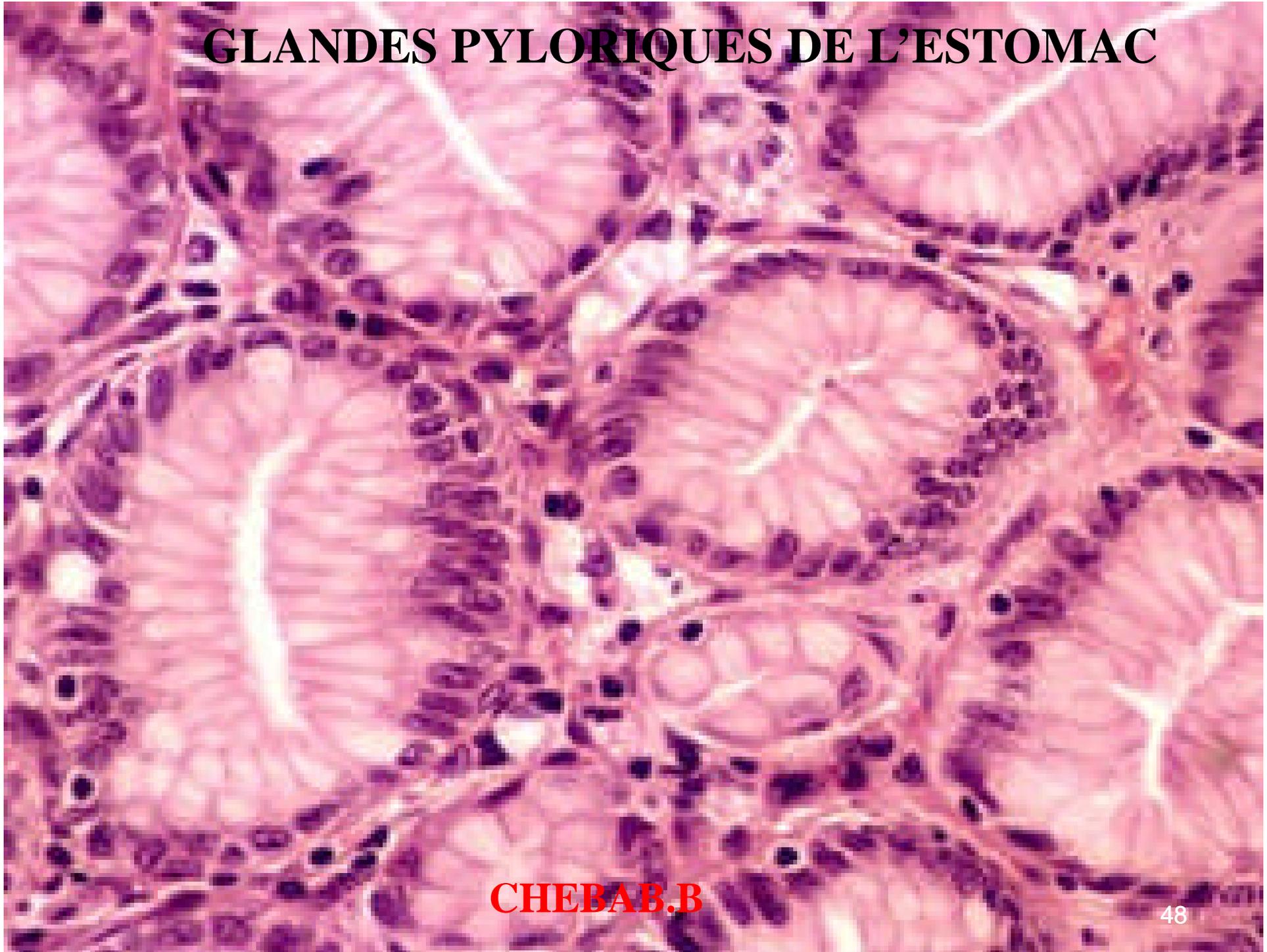
CHEBAB.B

EPITHELIUM GASTRIQUE



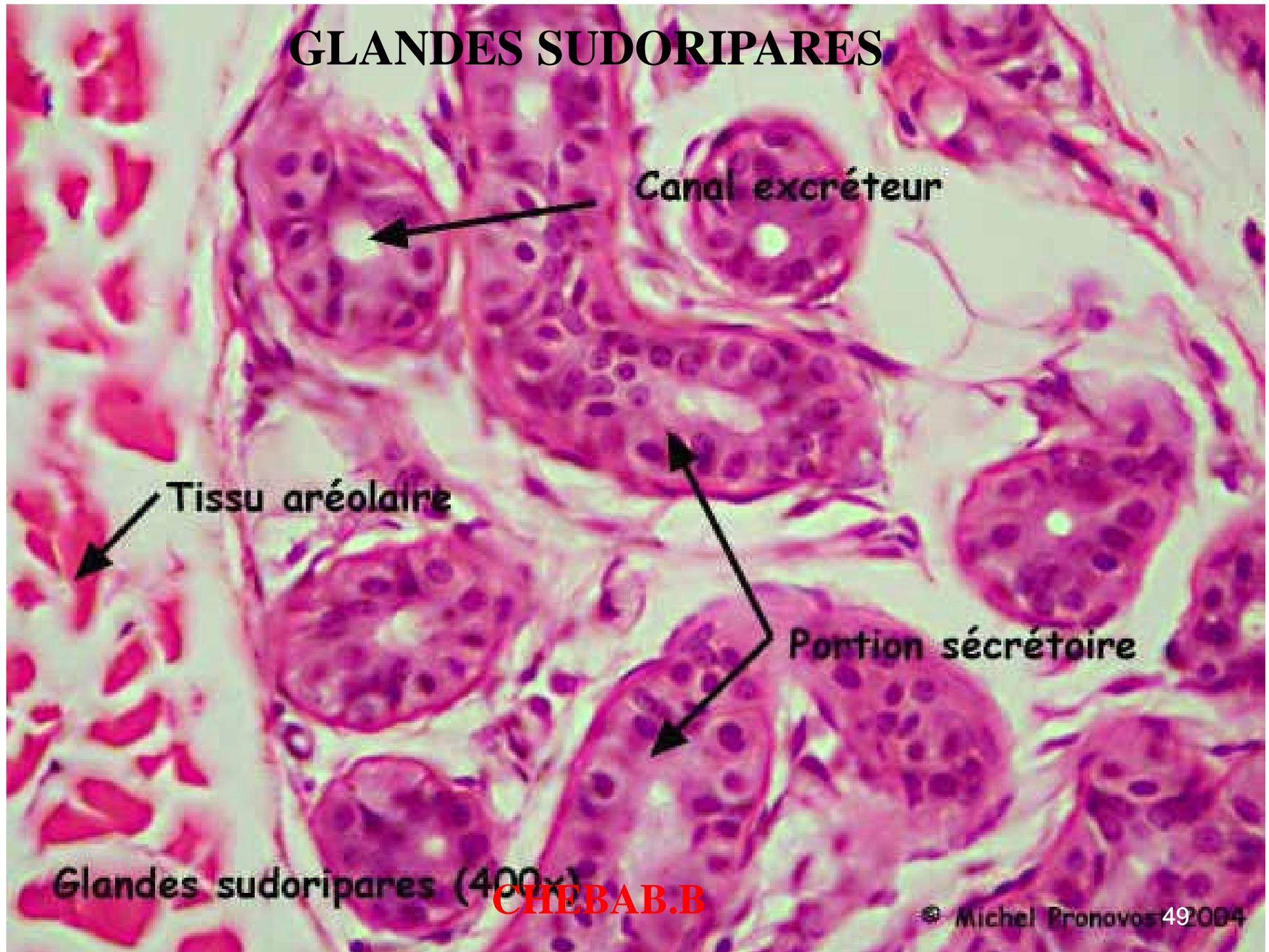
CHEBAB.B

GLANDES PYLORIQUES DE L'ESTOMAC



CHEBAB.B

GLANDES SUDORIPARES



Glandes sudoripares (400x)

CHEBAB.B

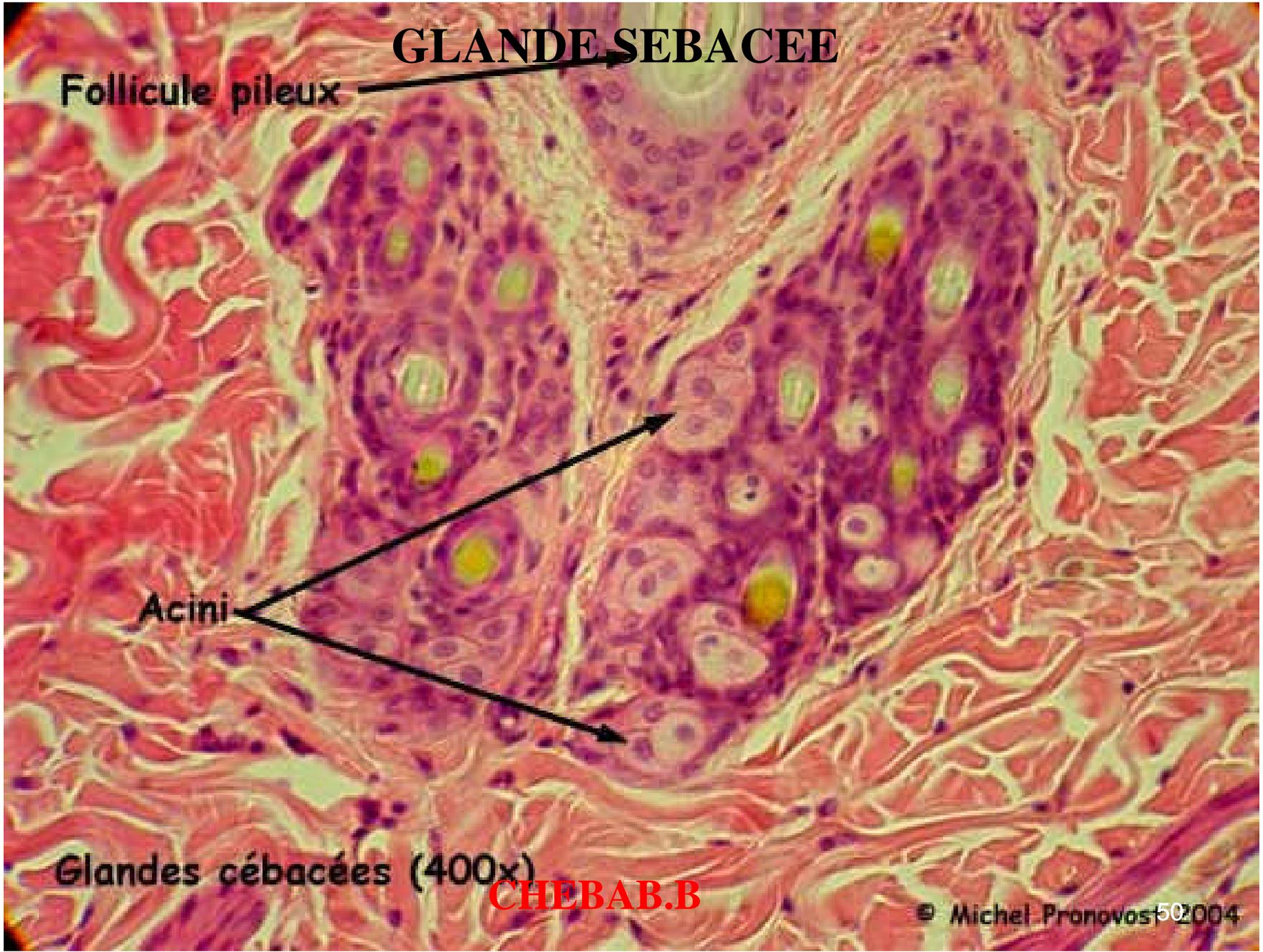
GLANDE SEBACEE

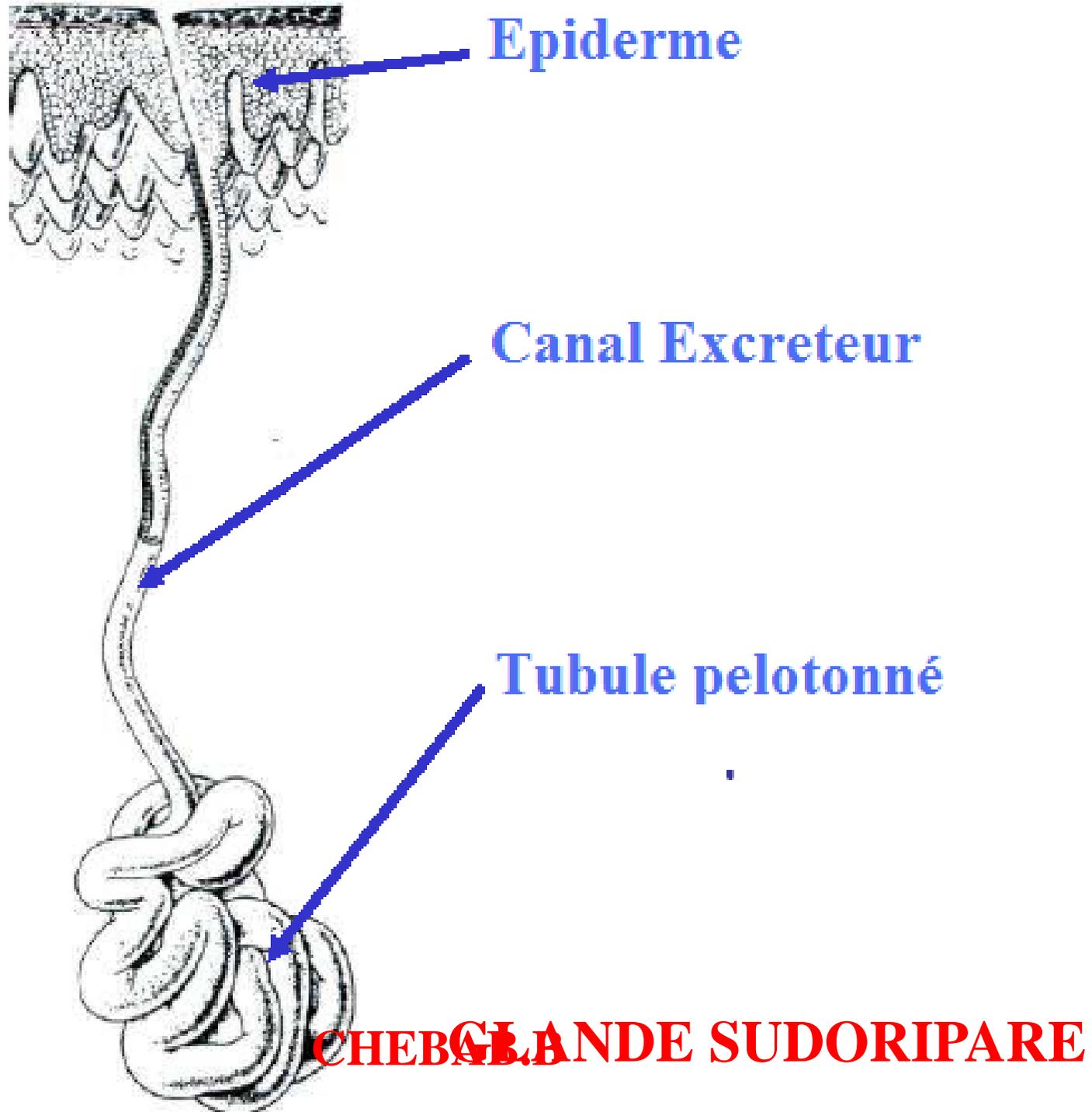
Follicule pileux

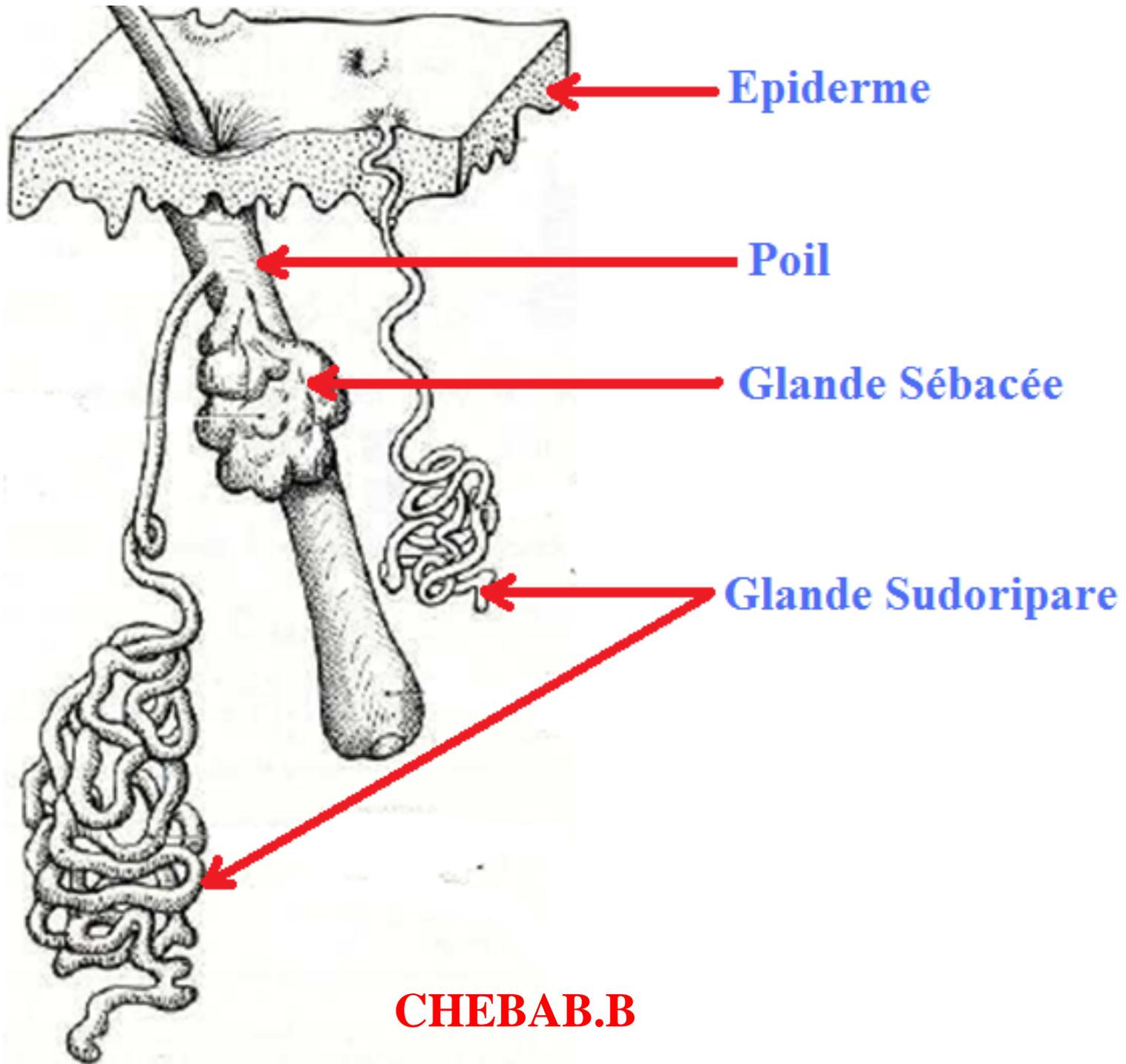
Acini

Glandes cébacées (400x)

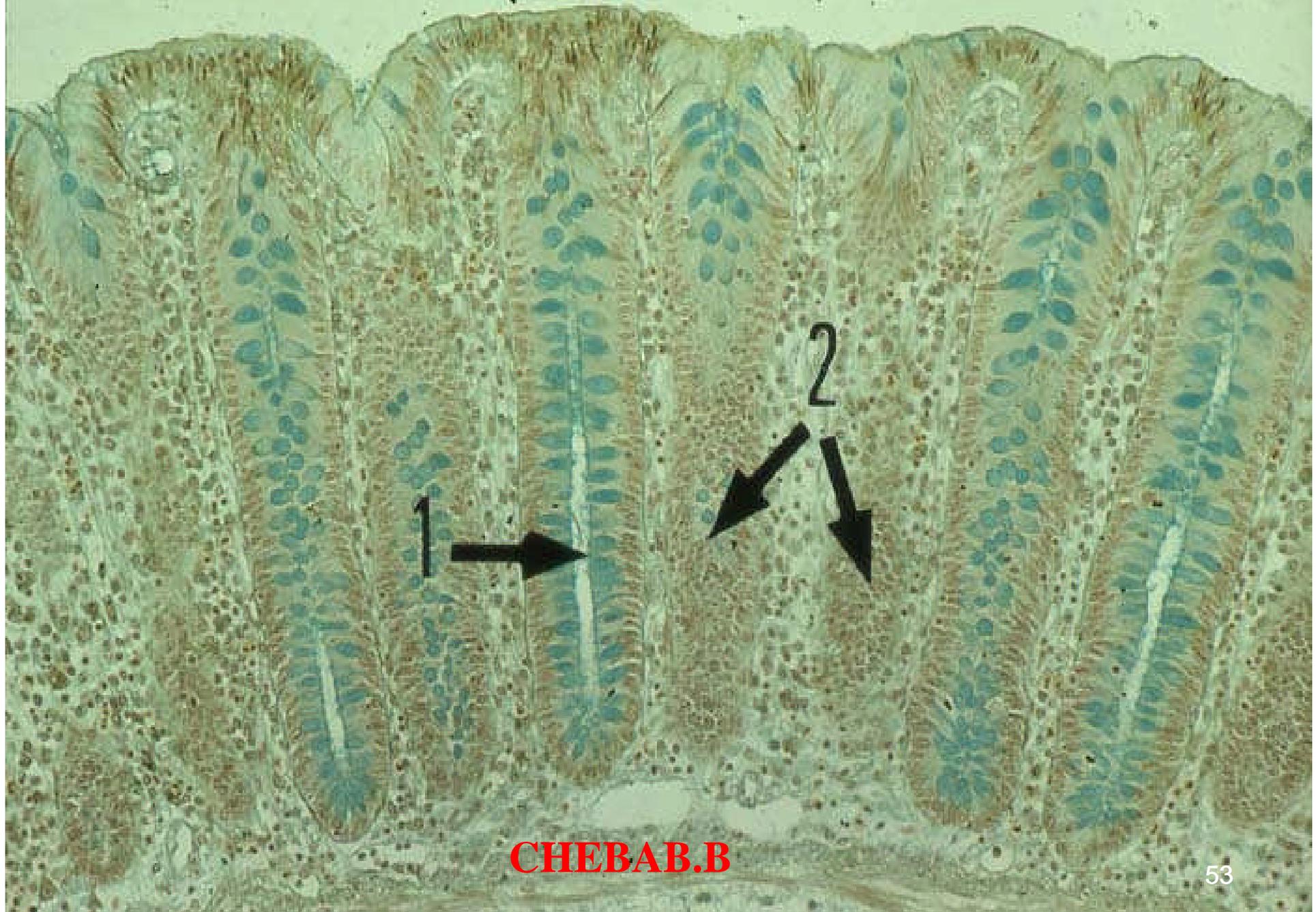
CHEBAB.B



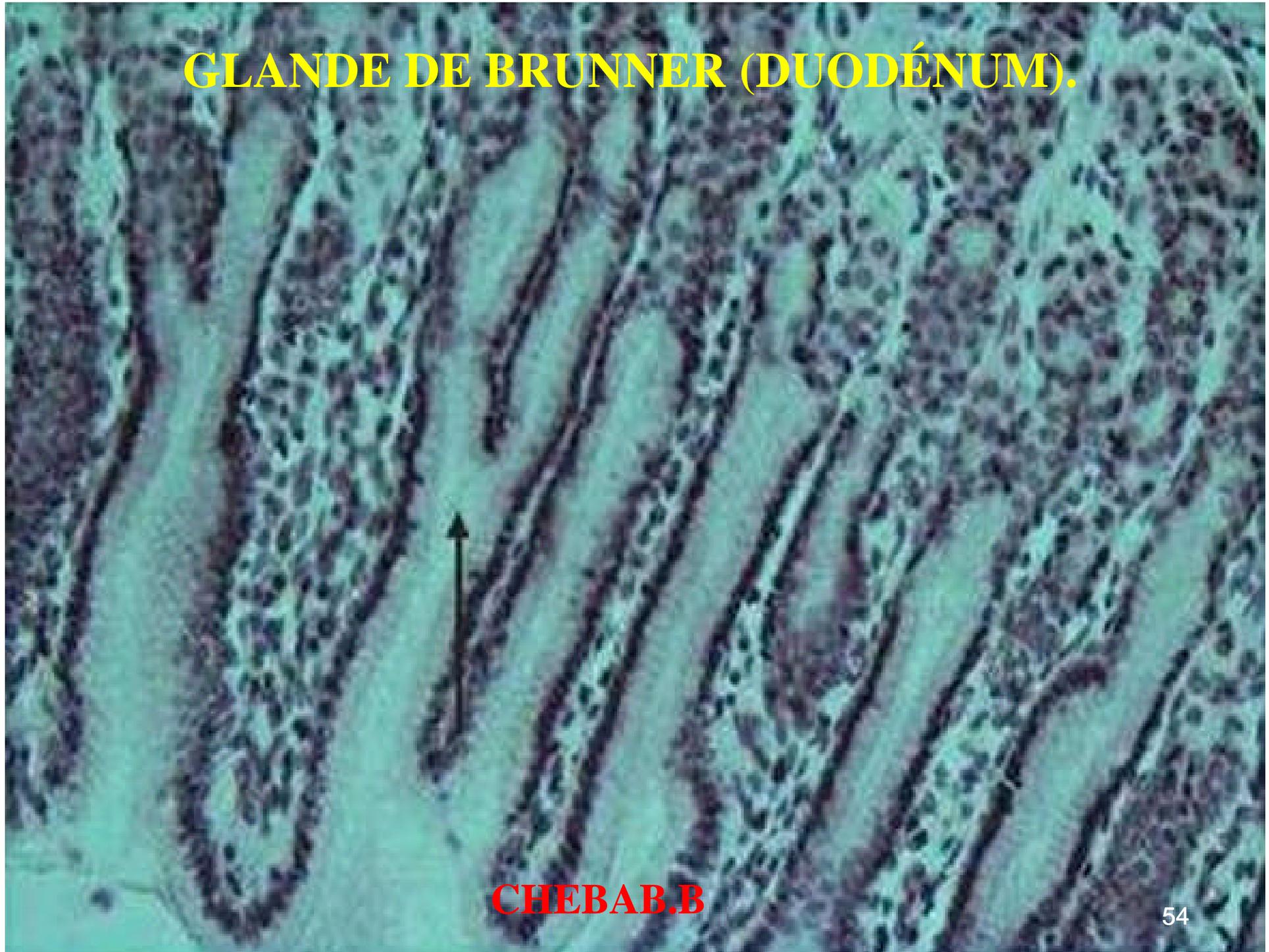




GLANDE DE LIEBERKUHN INTESTINALE

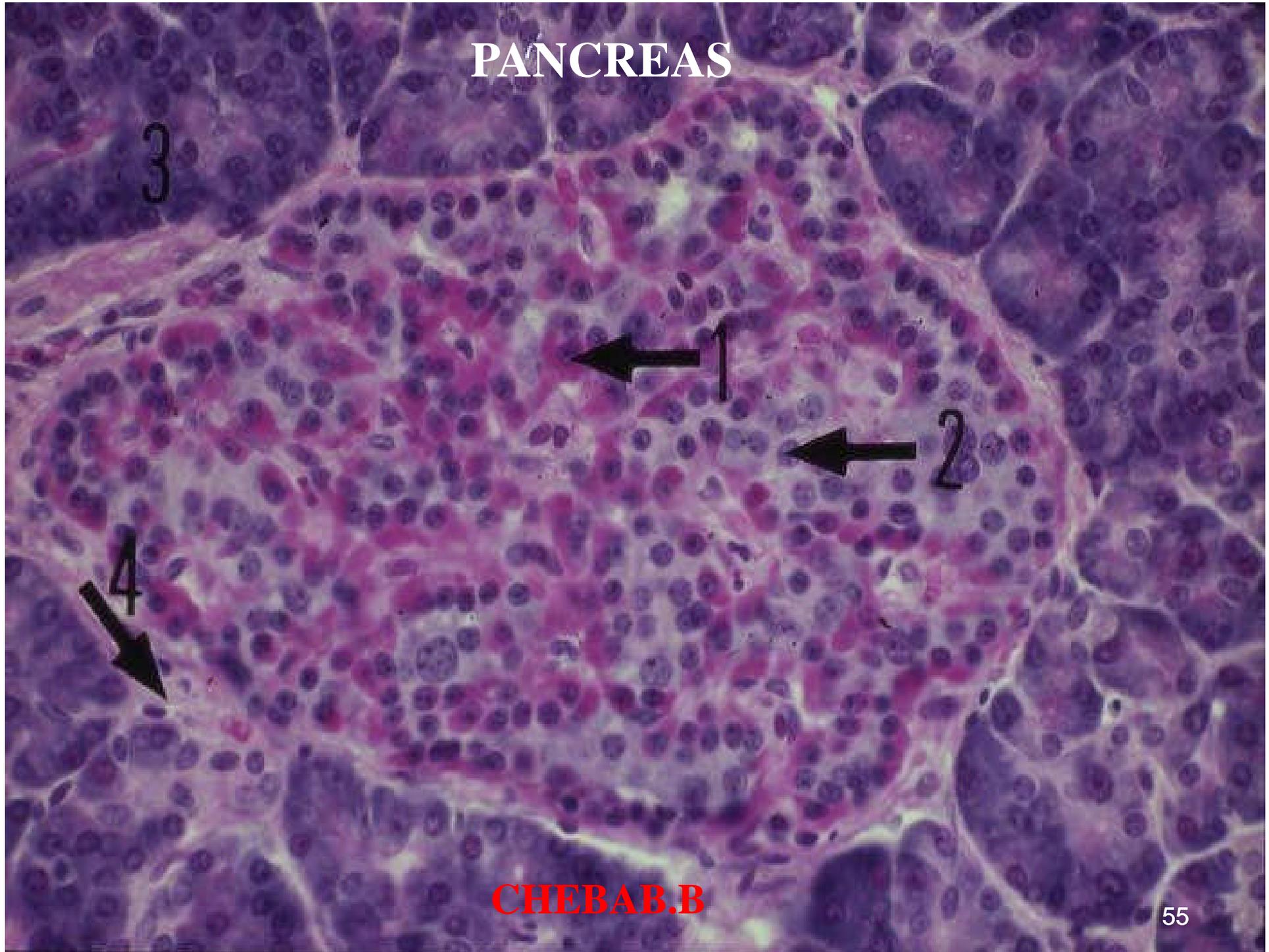


GLANDE DE BRUNNER (DUODÉNUM).



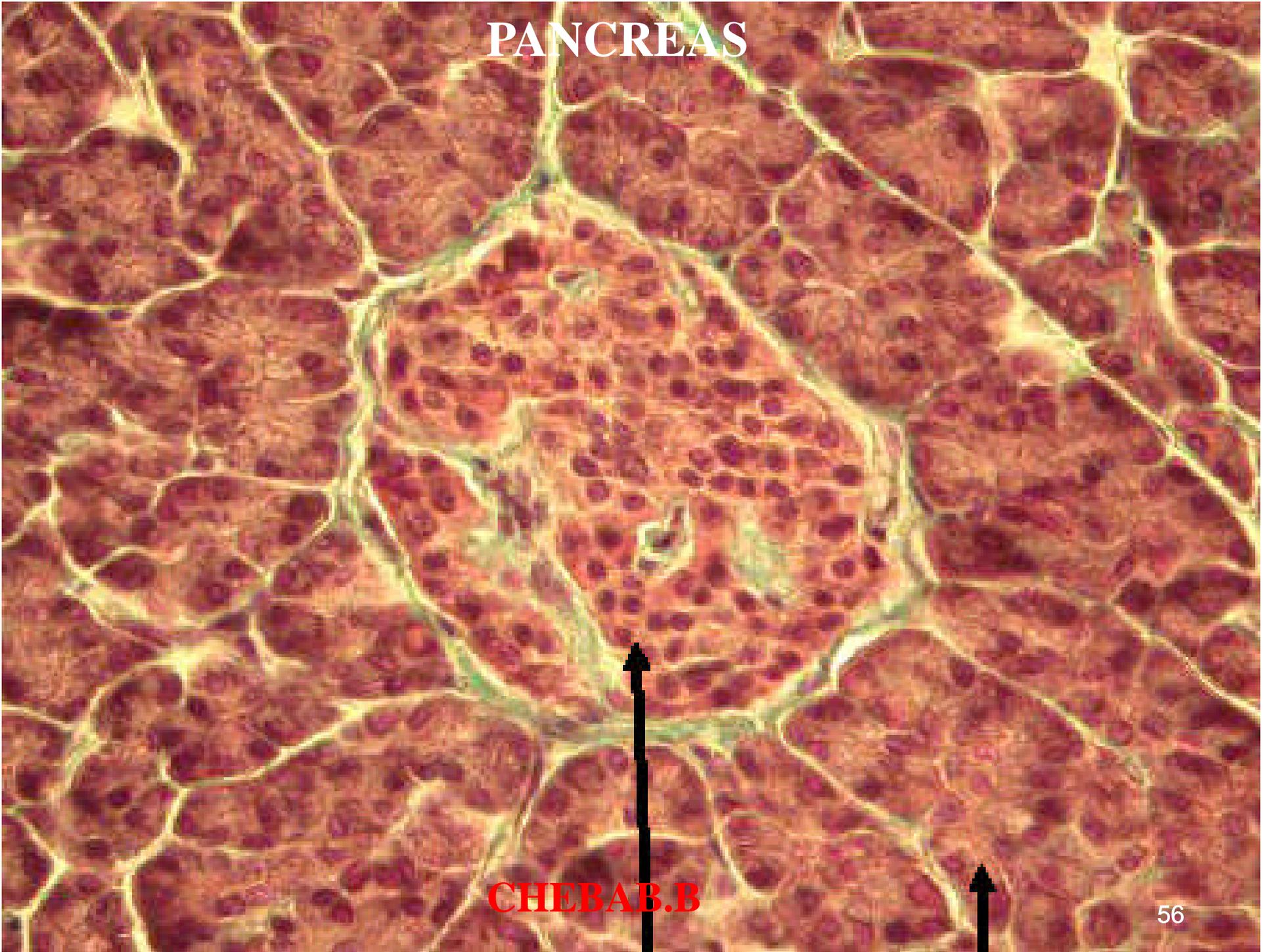
CHEBAB.B

PANCREAS



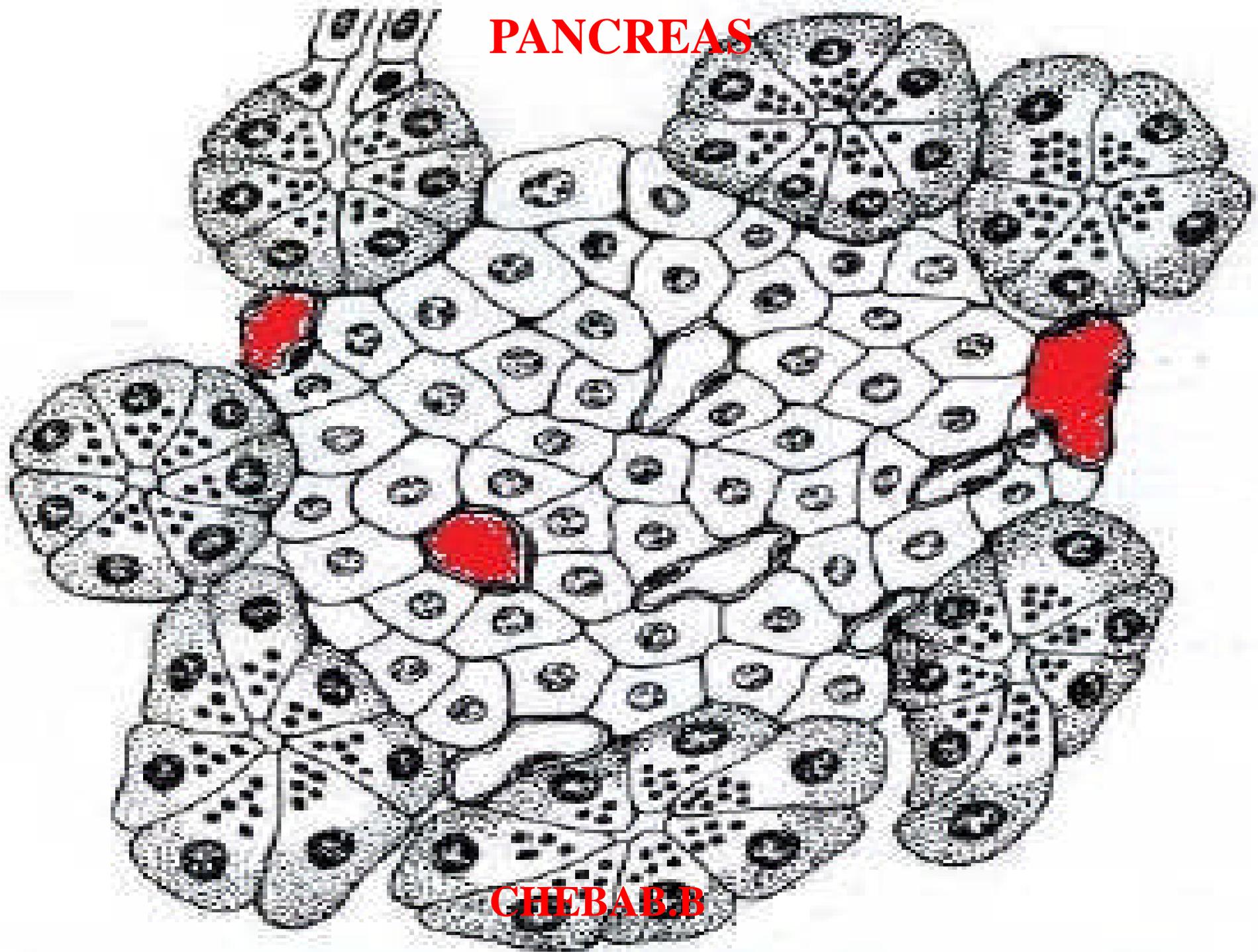
CHEBAB.B

PANCREAS



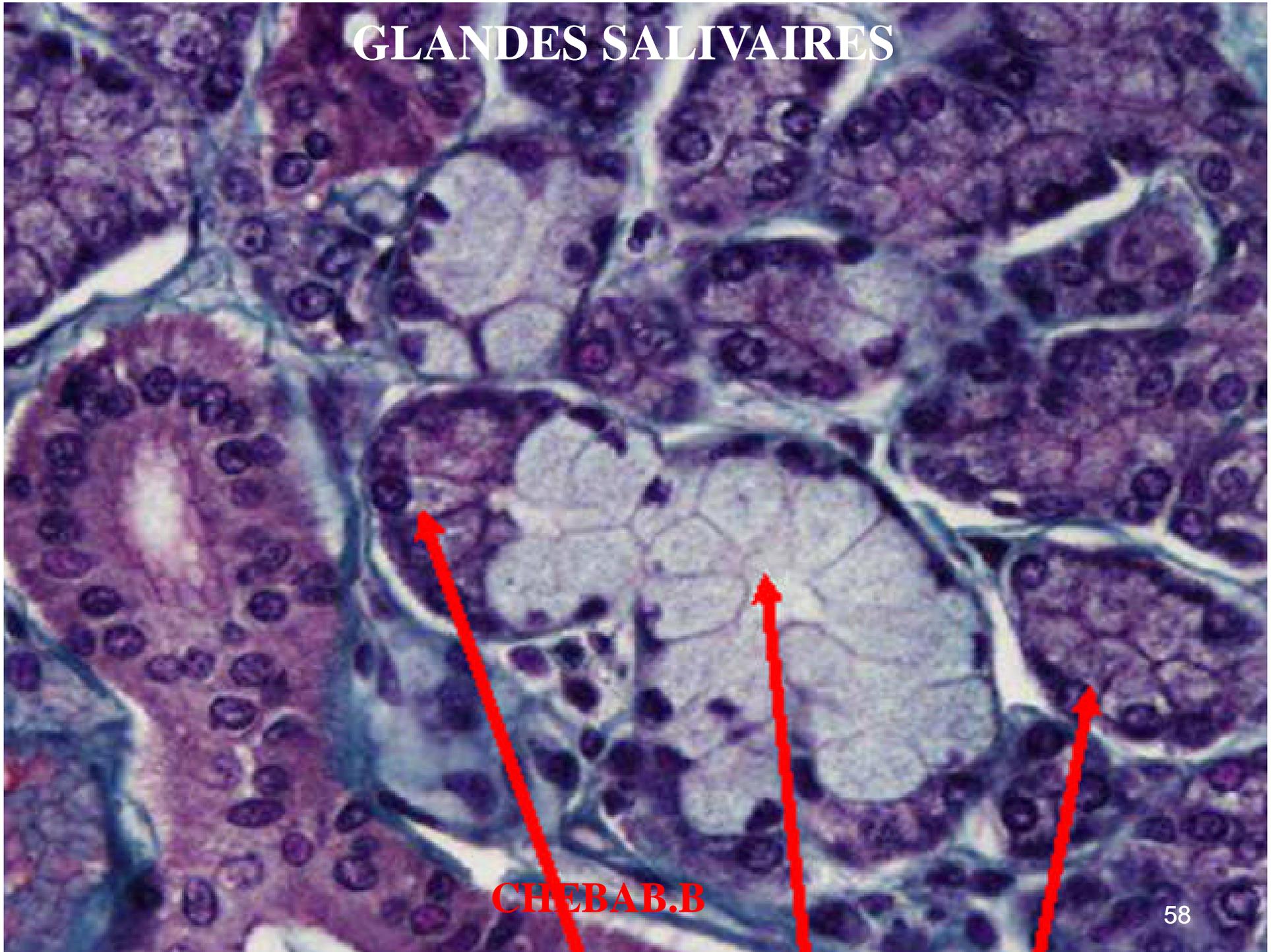
CHEBAB.B

PANCREAS



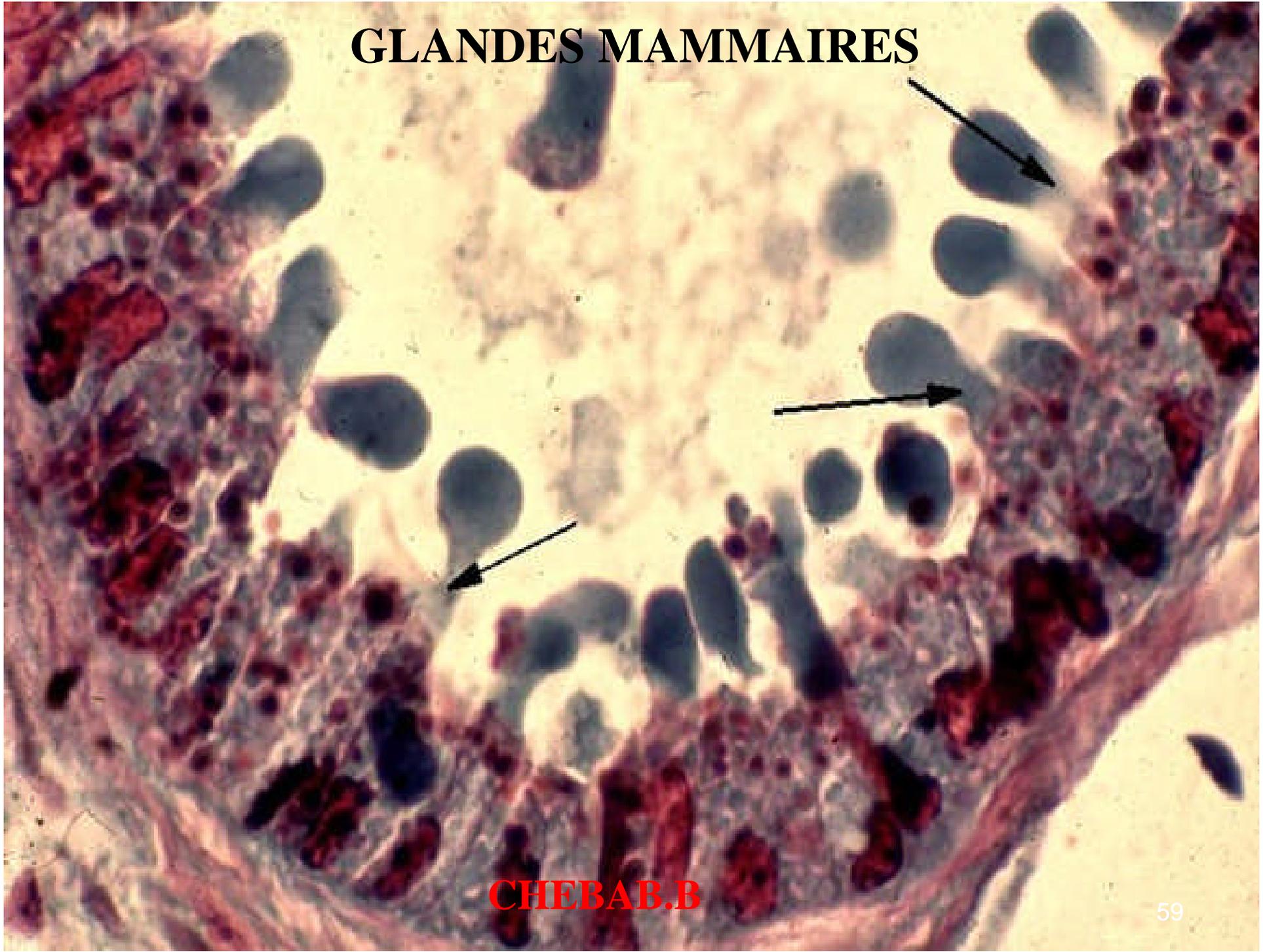
CHEBAB.B

GLANDES SALIVAIRES



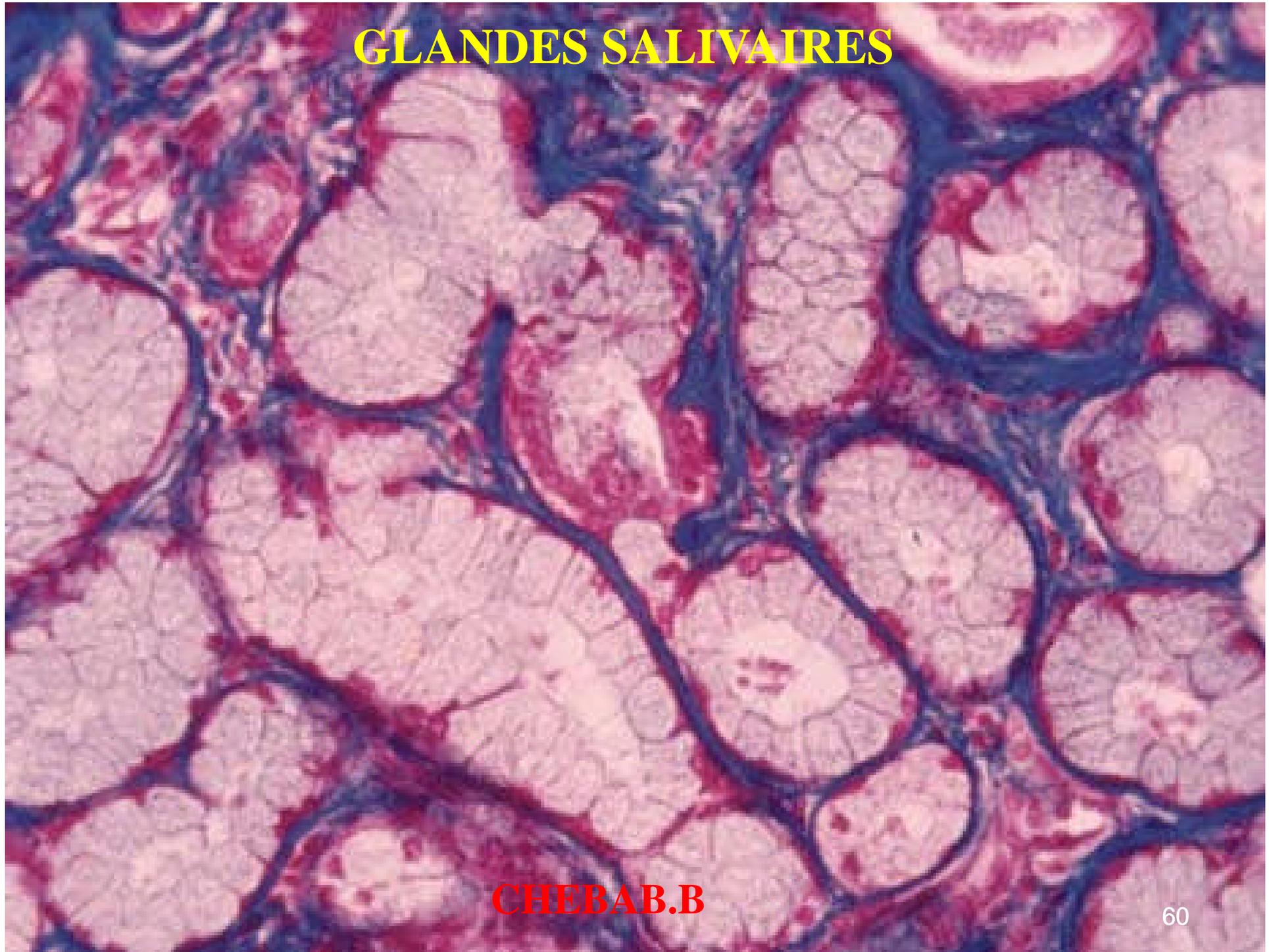
CHEBAB.B

GLANDES MAMMAIRES



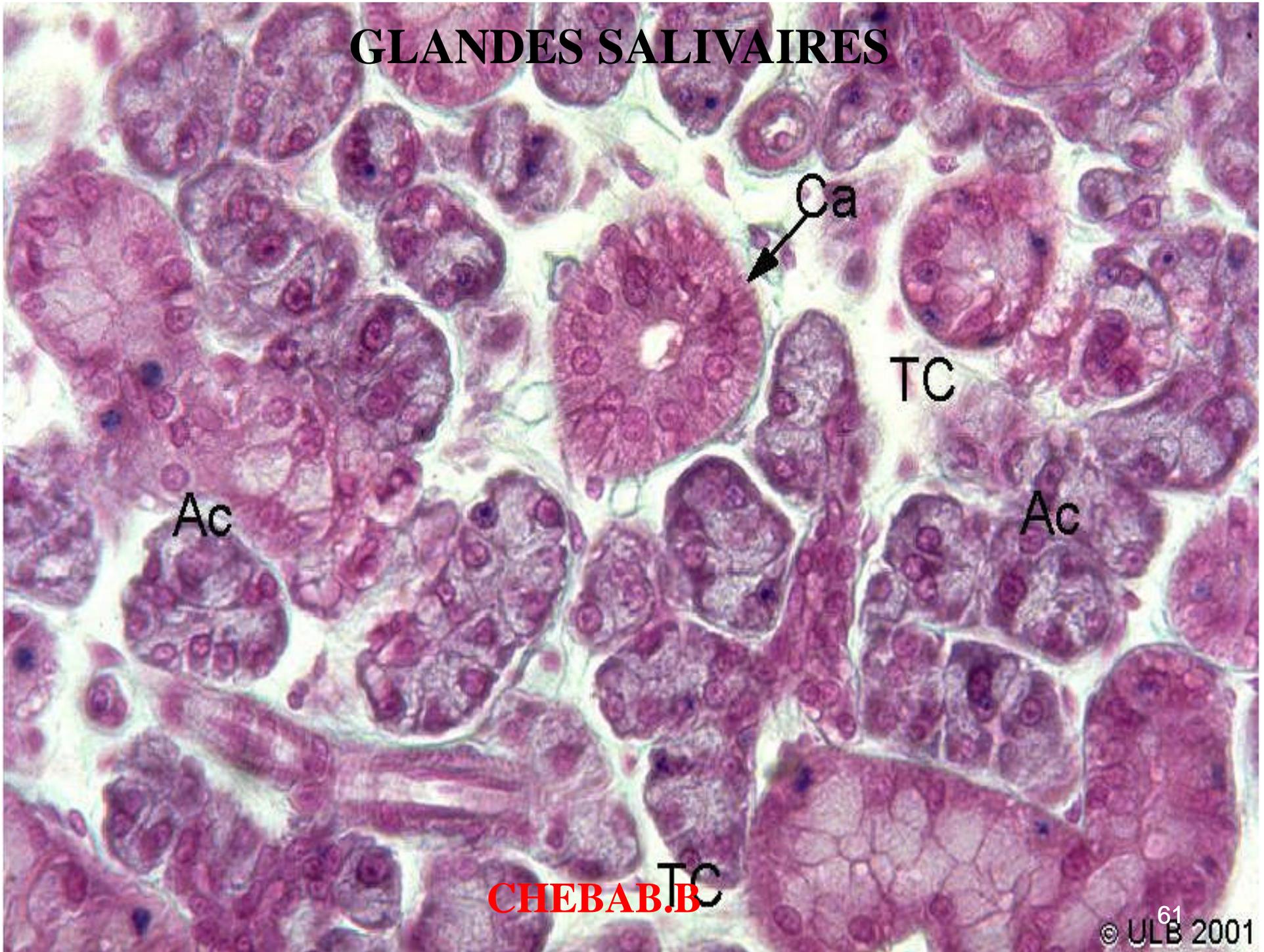
CHEBAB.B

GLANDES SALIVAIRES



CHEBAB.B

GLANDES SALIVAIRES



Ac

Ca

TC

Ac

CHEBAB.TC

FIN

CHEBAB.B