

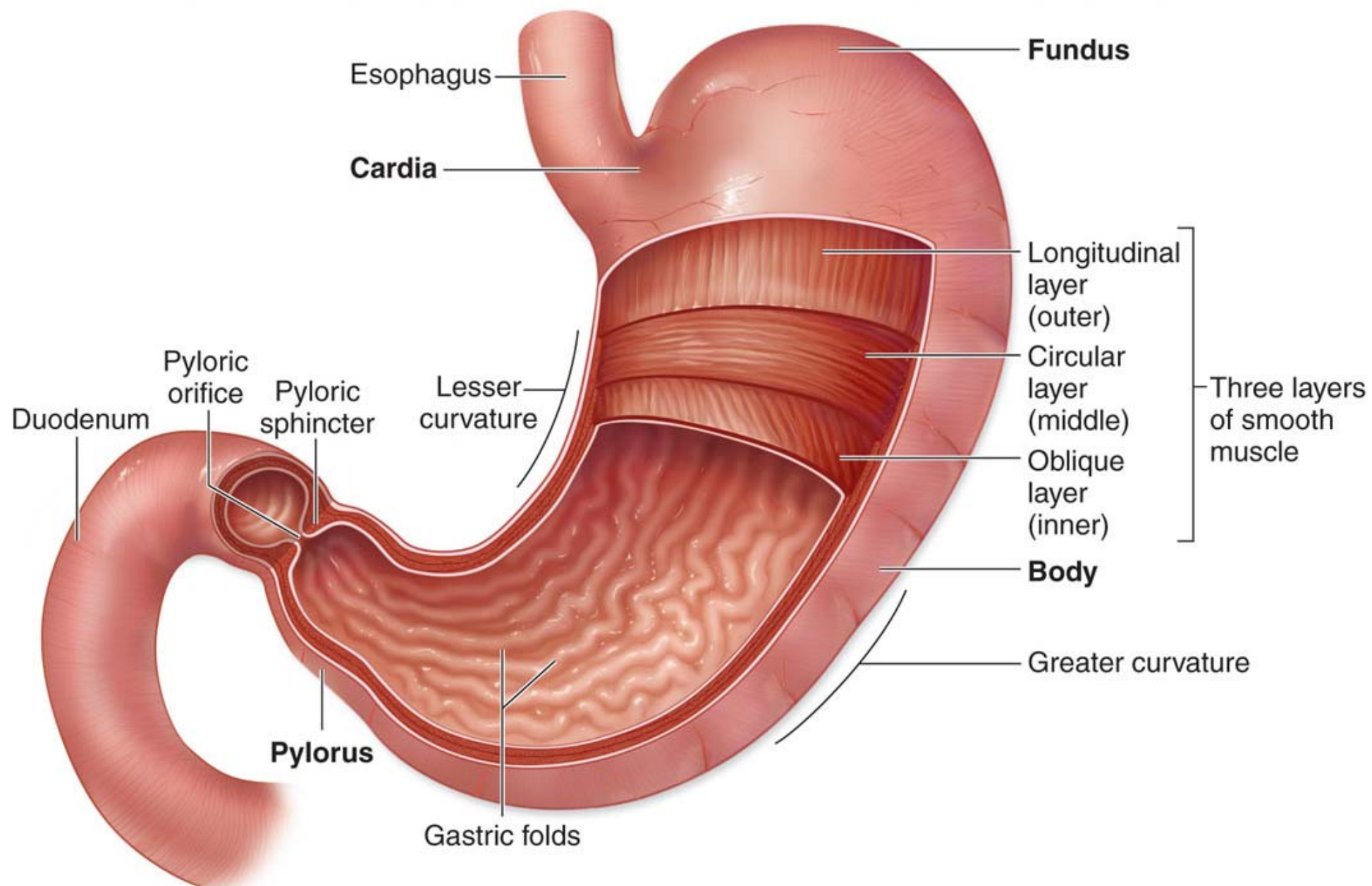
胃底腺

组织学与胚胎学

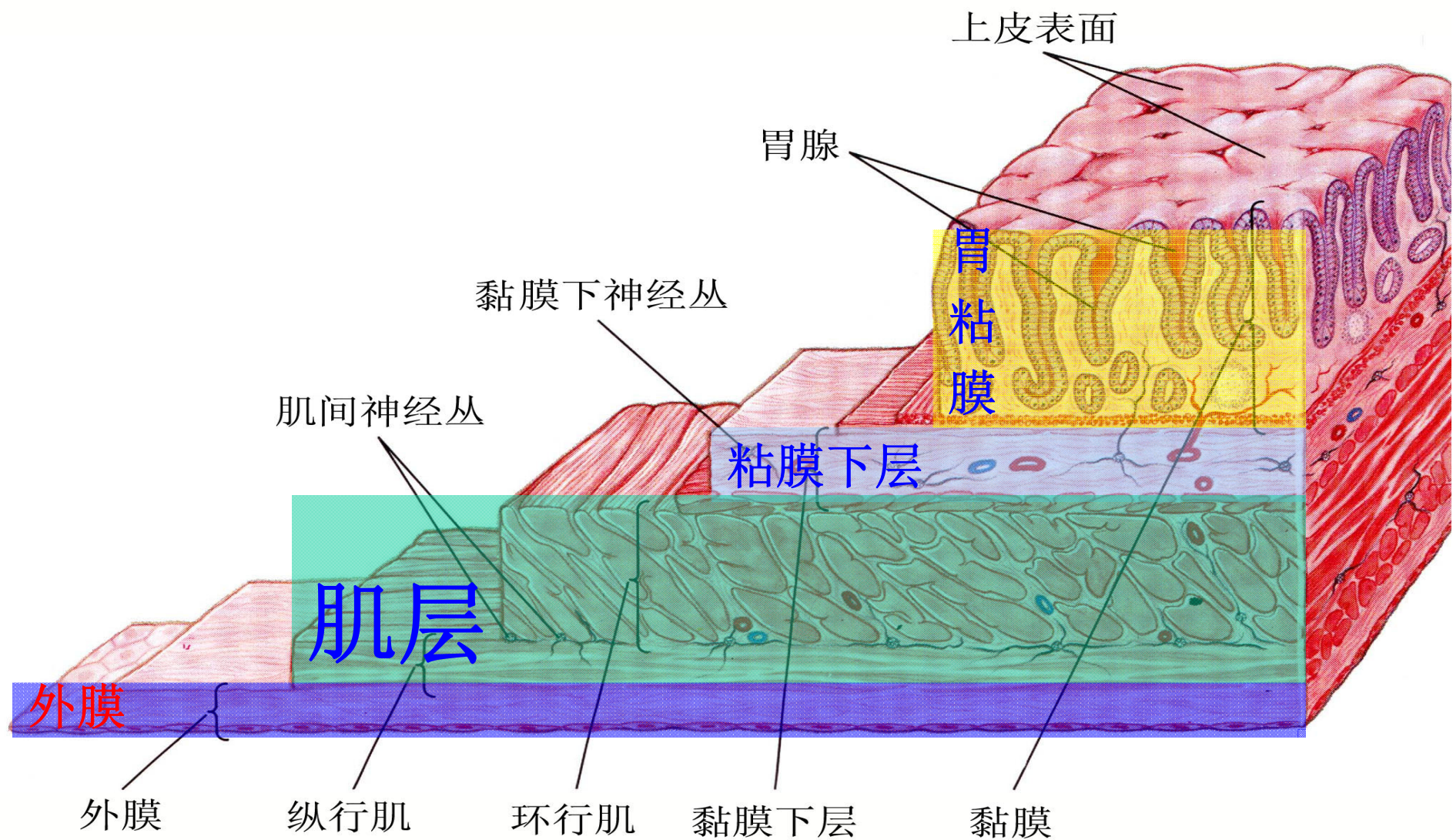
组织胚胎学教研室

刘霞

胃



胃壁结构模式图



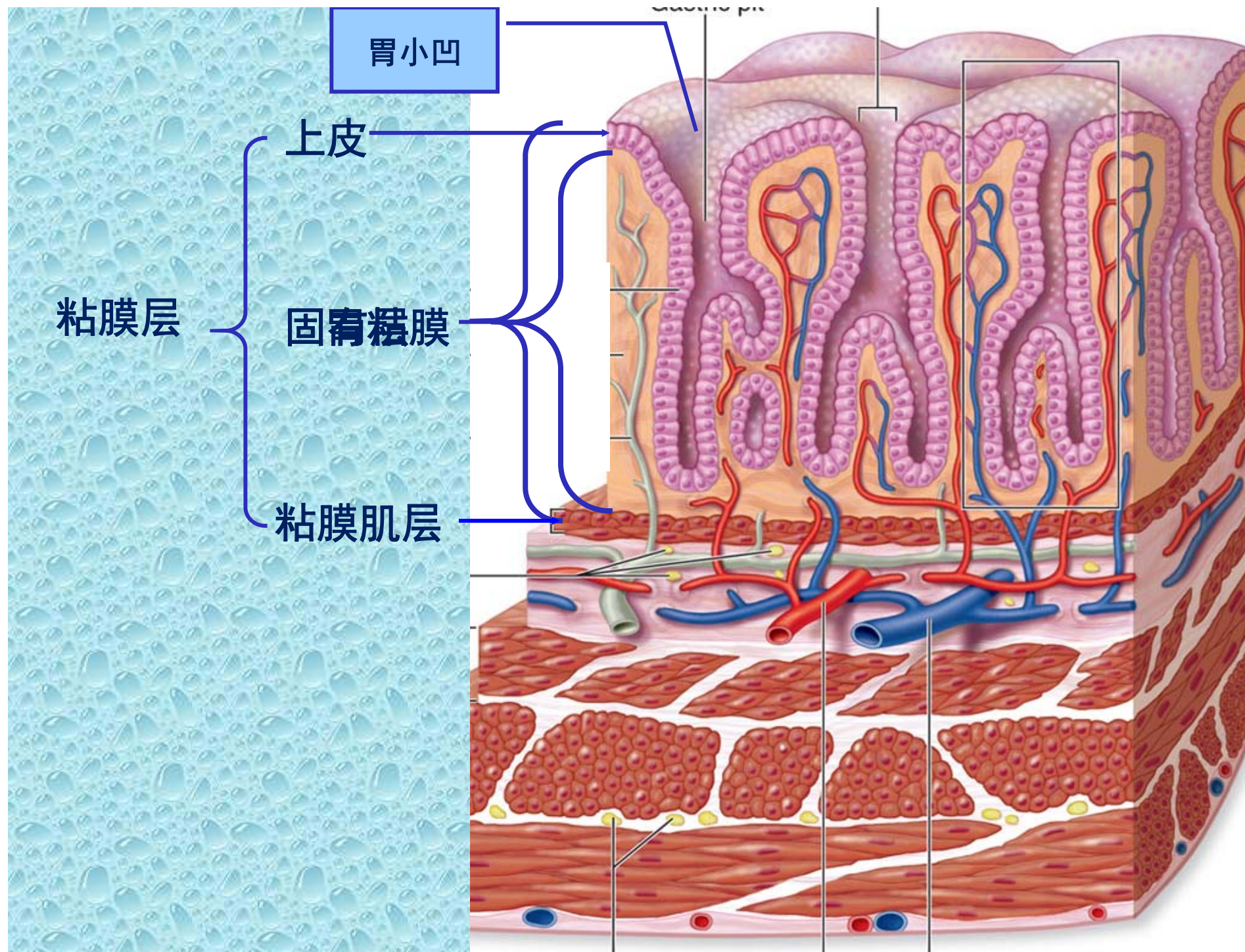
胃粘膜



胃小凹
约350万

胃小凹底部有
胃腺的开口

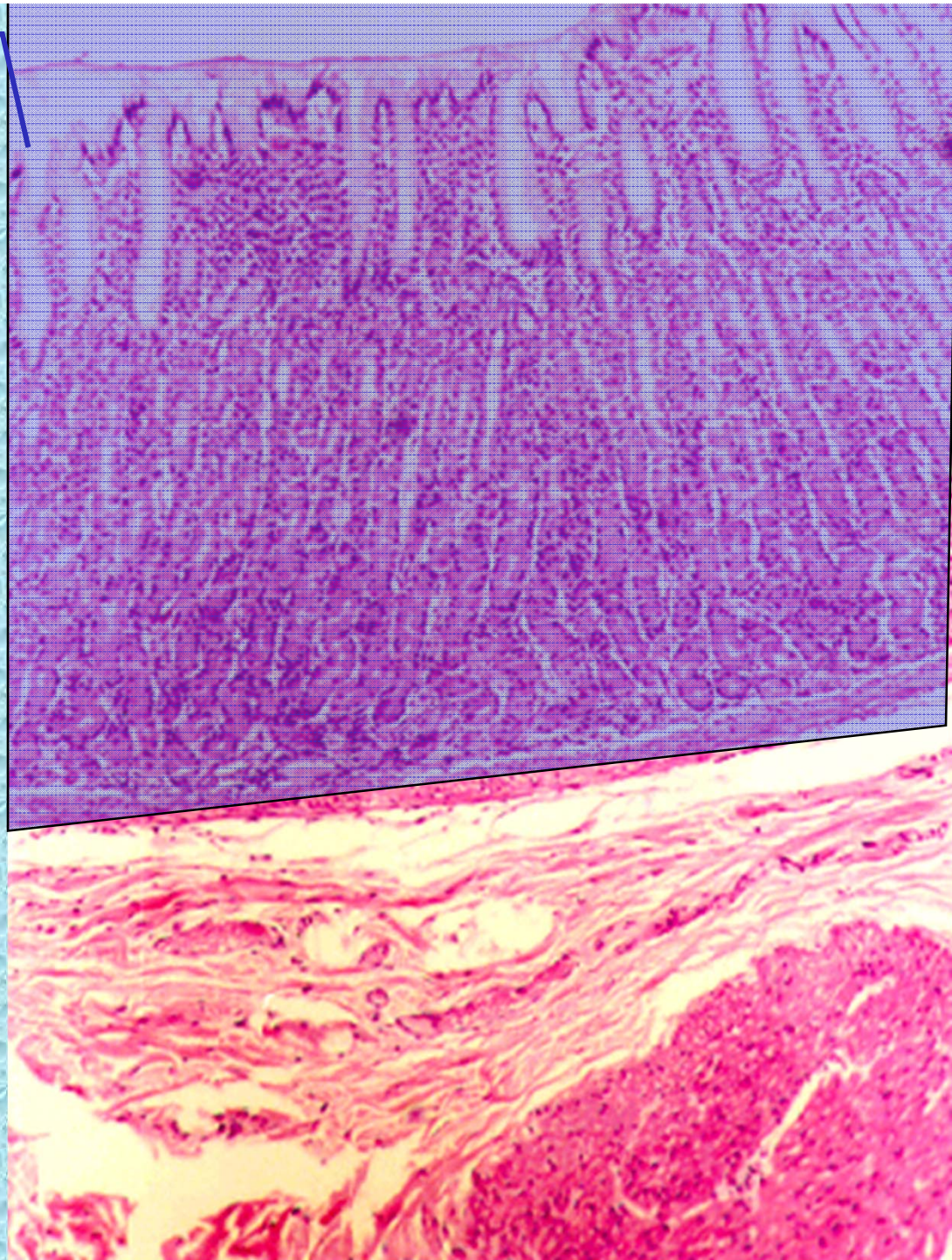
胃粘膜
上皮细胞



胃小凹

粘膜层

粘膜下层



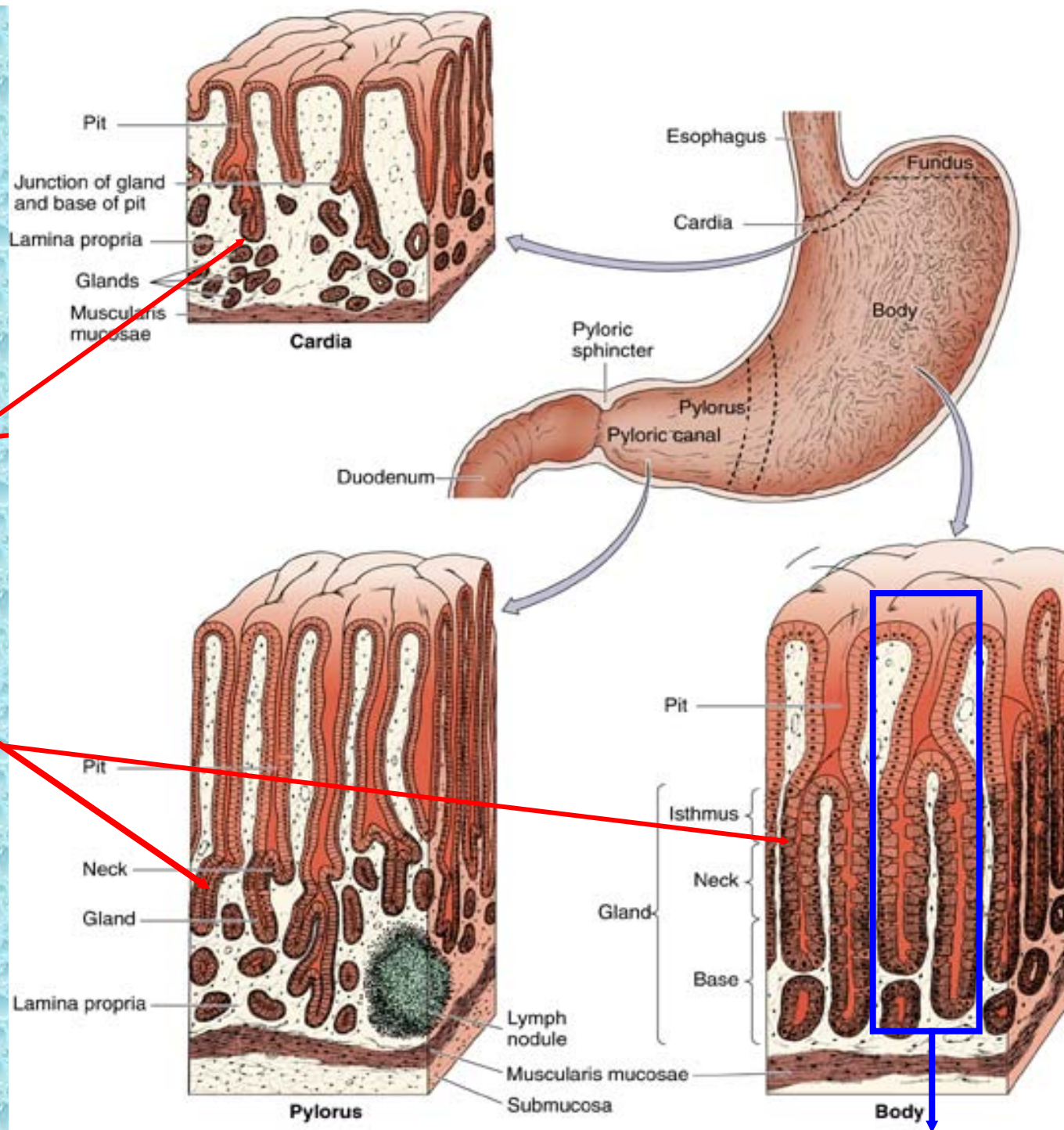
固有层

含有许多管状的胃腺

贲门腺

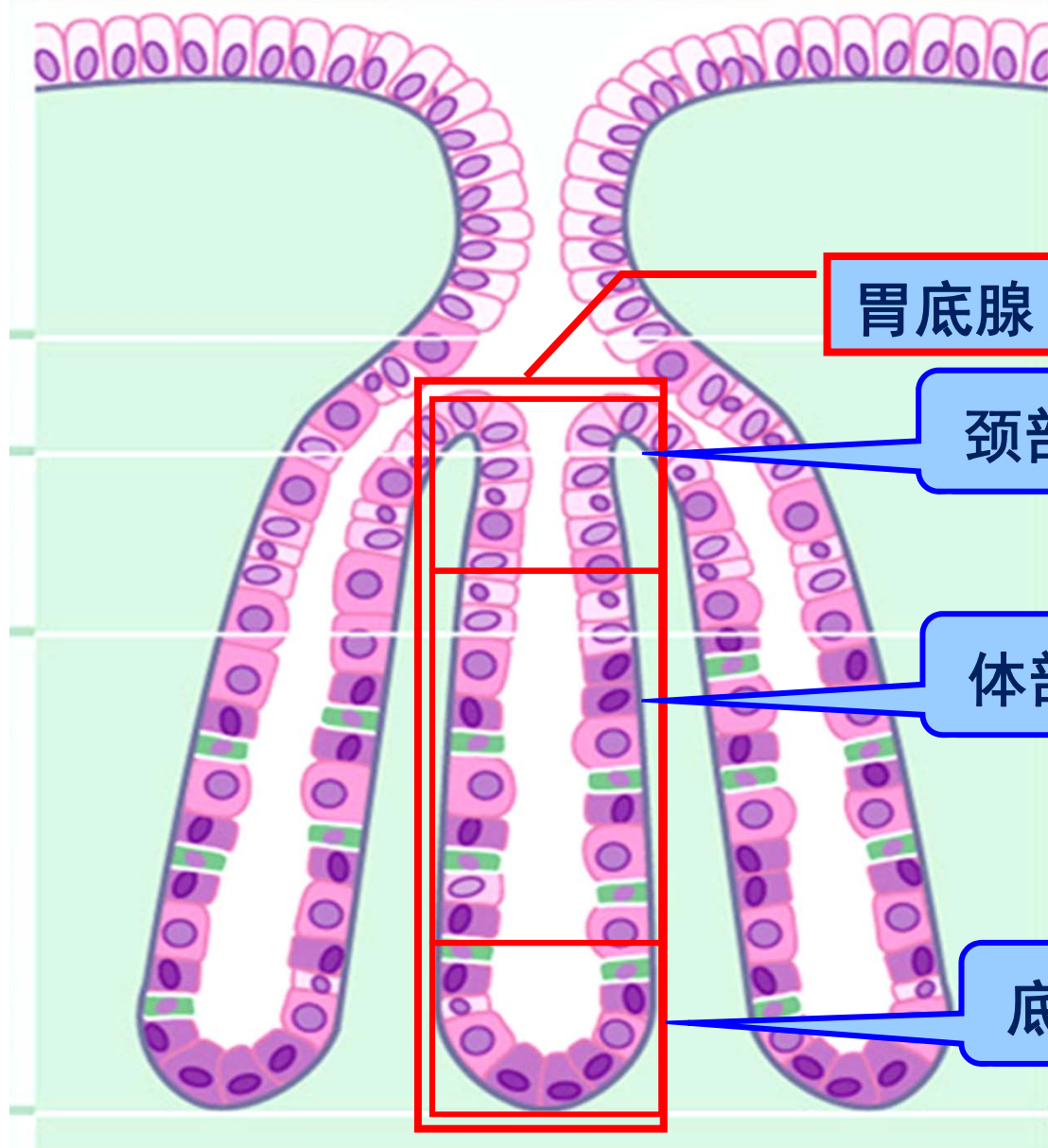
幽门腺

胃底腺



胃底腺

又称泌酸腺
分布：胃底和胃体

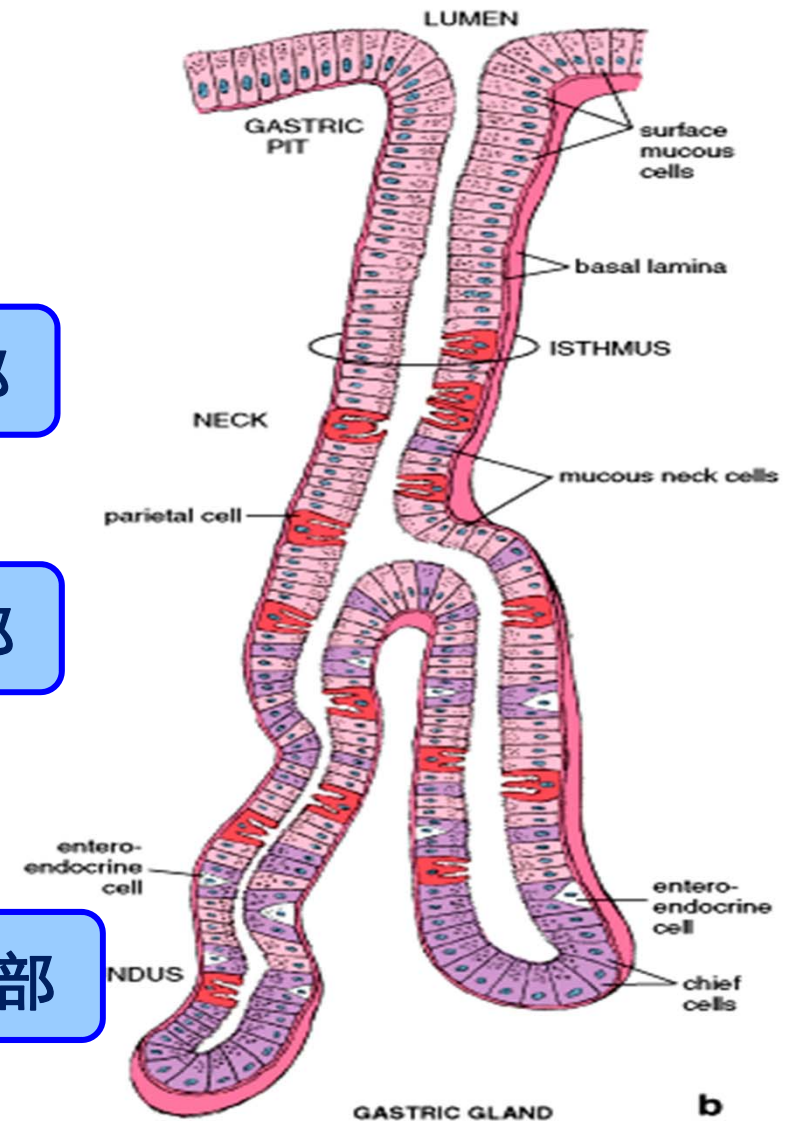


胃底腺

颈部

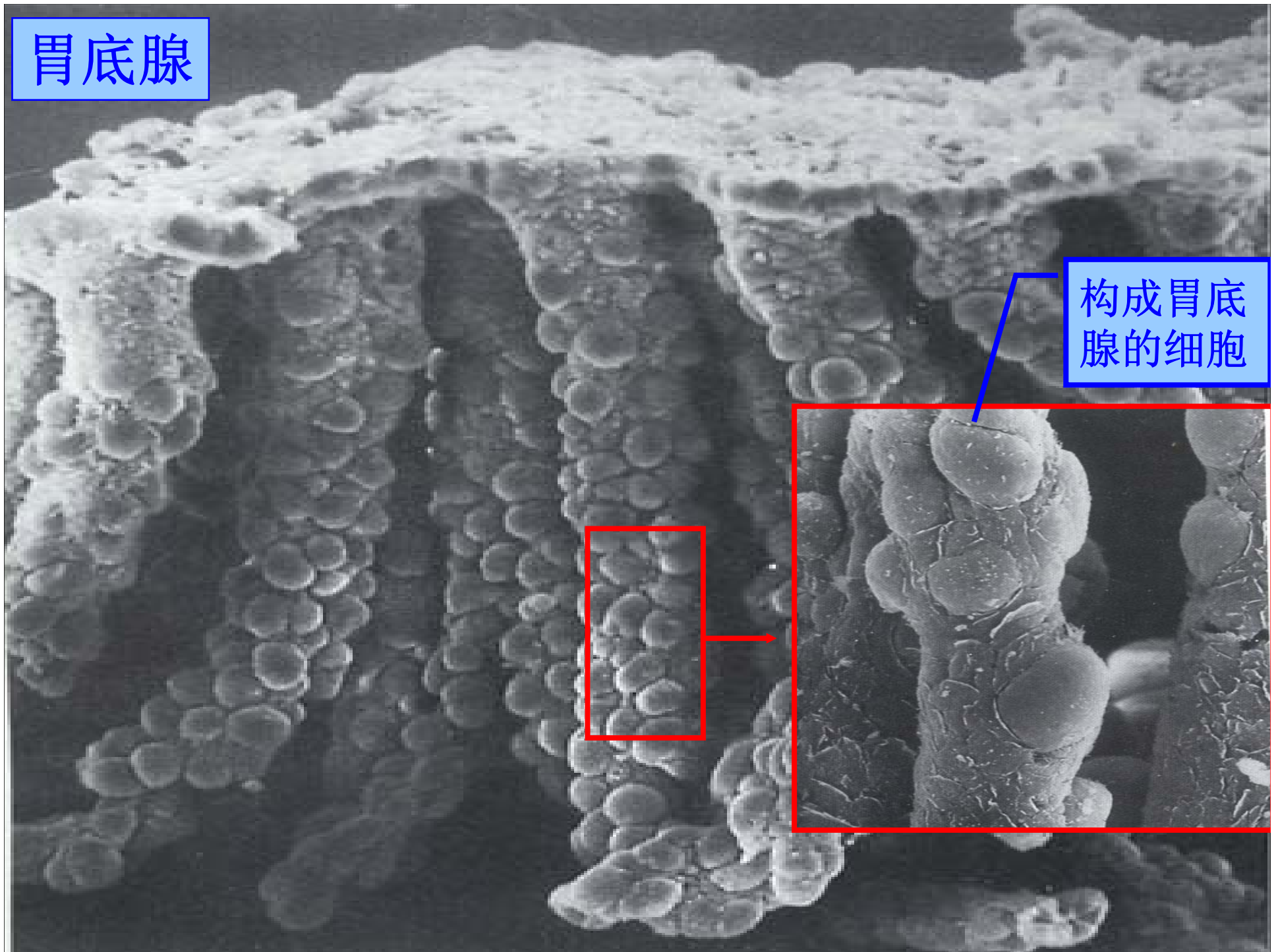
体部

底部



胃底腺

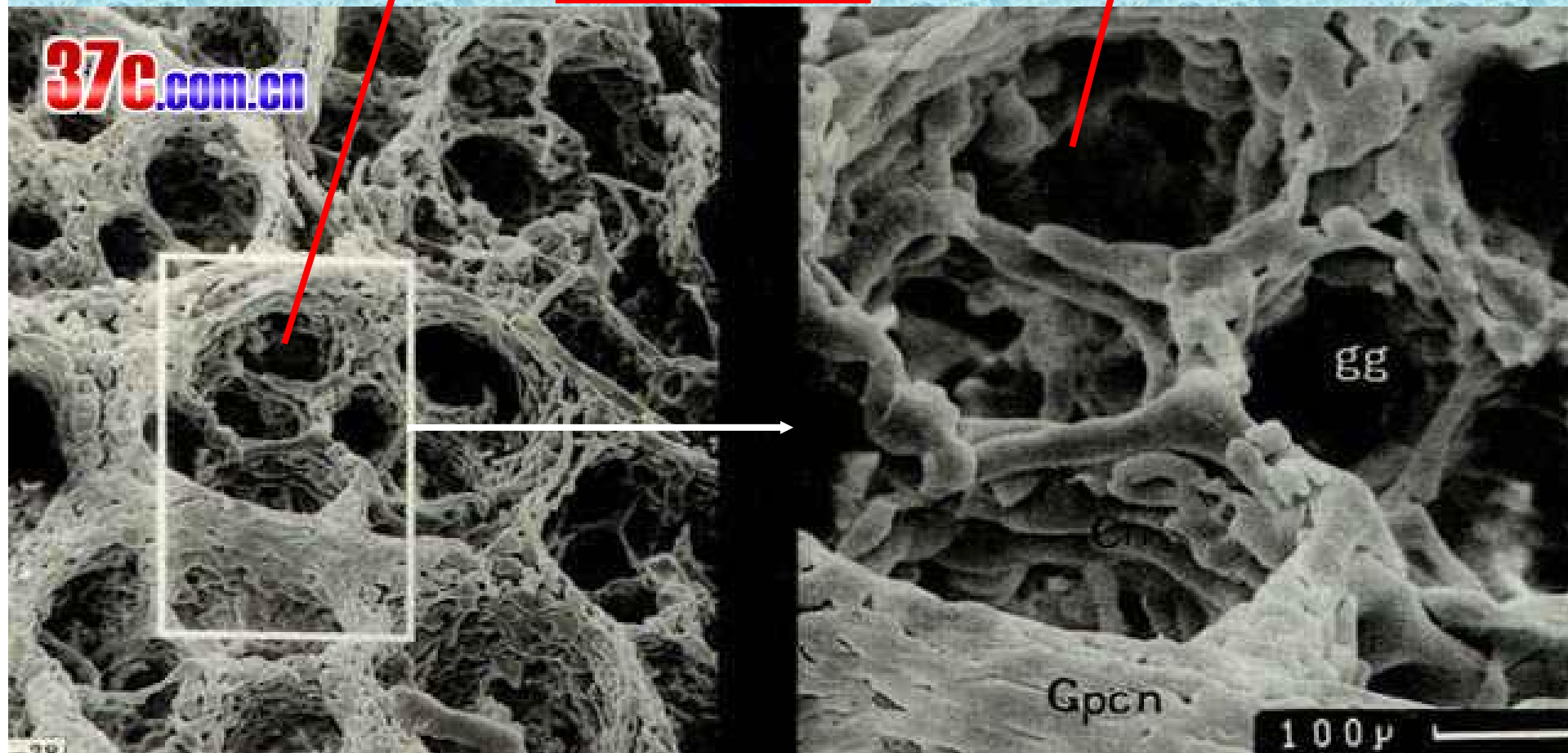
构成胃底腺的细胞



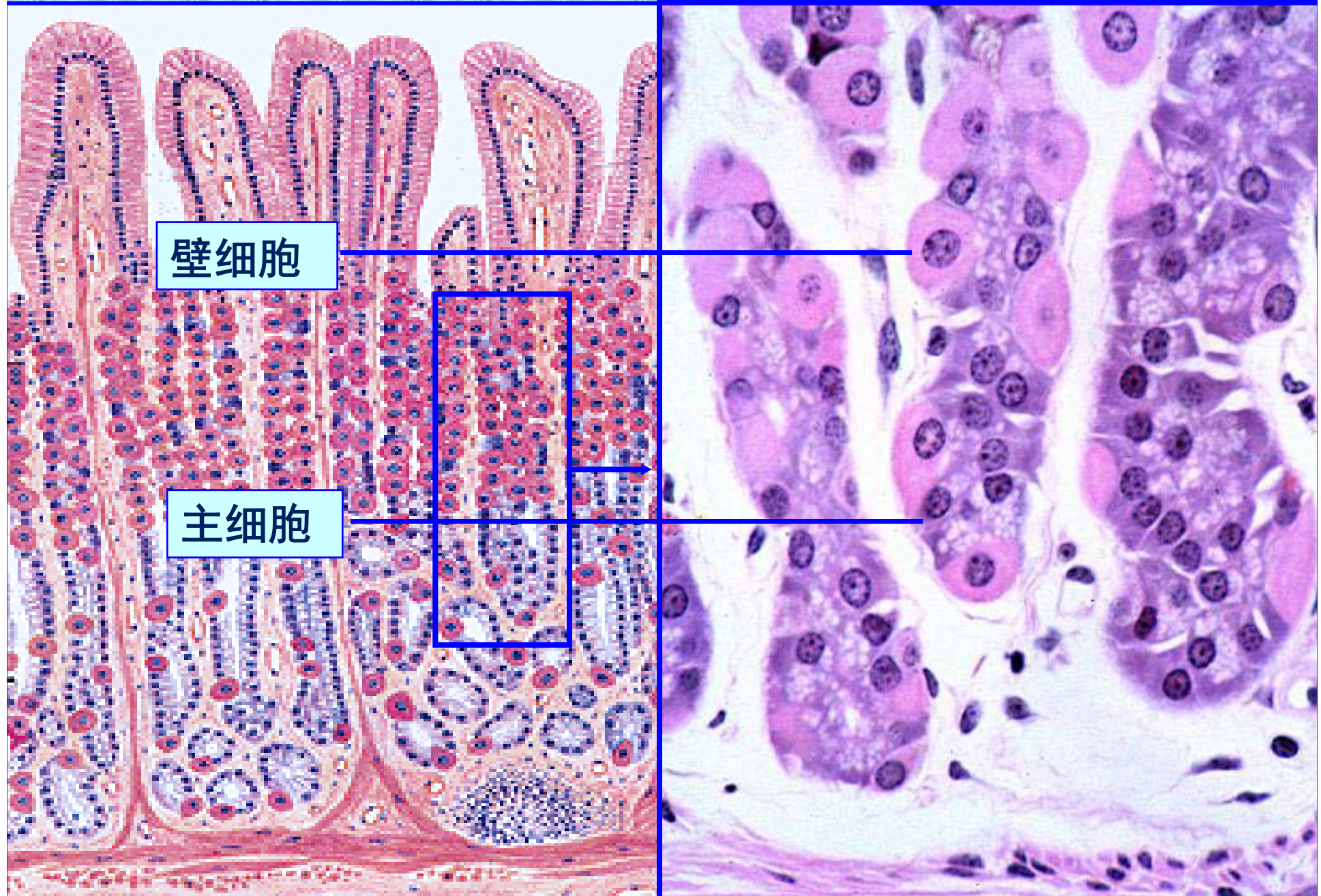
胃底腺正面观

胃底腺开口

胃底腺开口

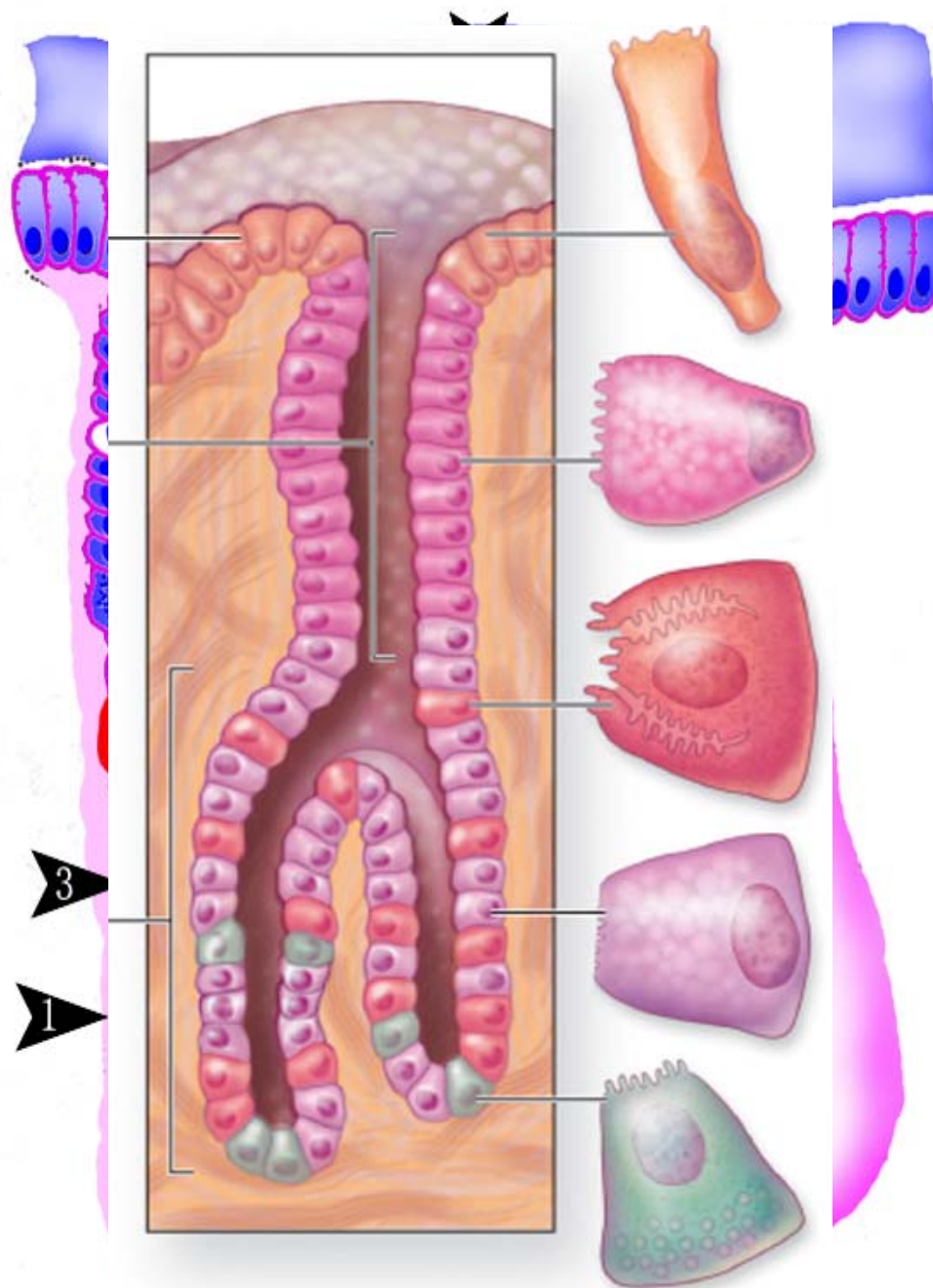


胃底腺 (fundic gland)

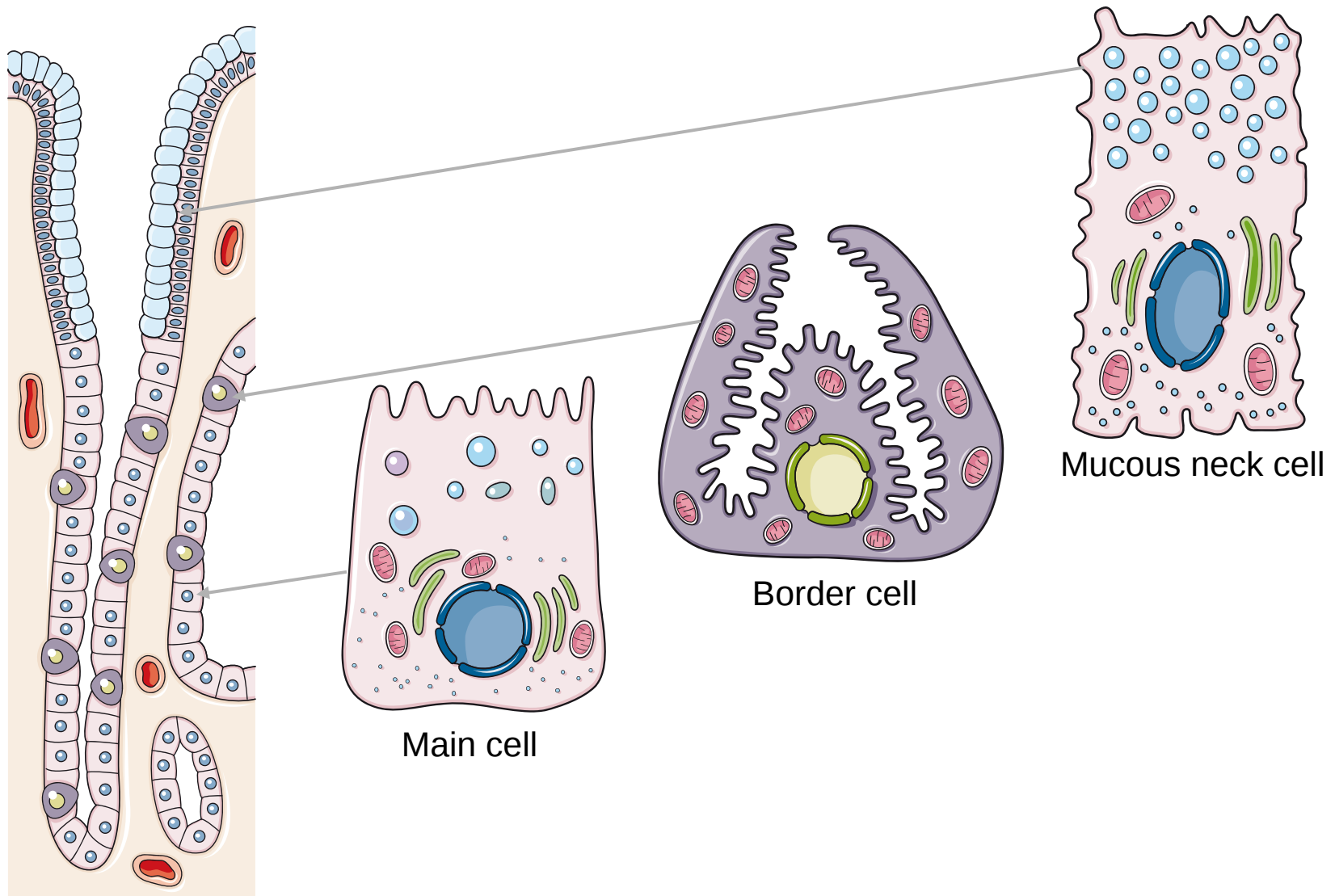


胃底腺

- 1. 胃底腺
- 2. 胃小凹
- 3. 主细胞
- 4. 壁细胞
- 5. 颈粘液细胞
- 6. 内分泌细胞
- 7. 上皮



胃底腺的主要细胞



(1) 主细胞 Chief cell

结构:

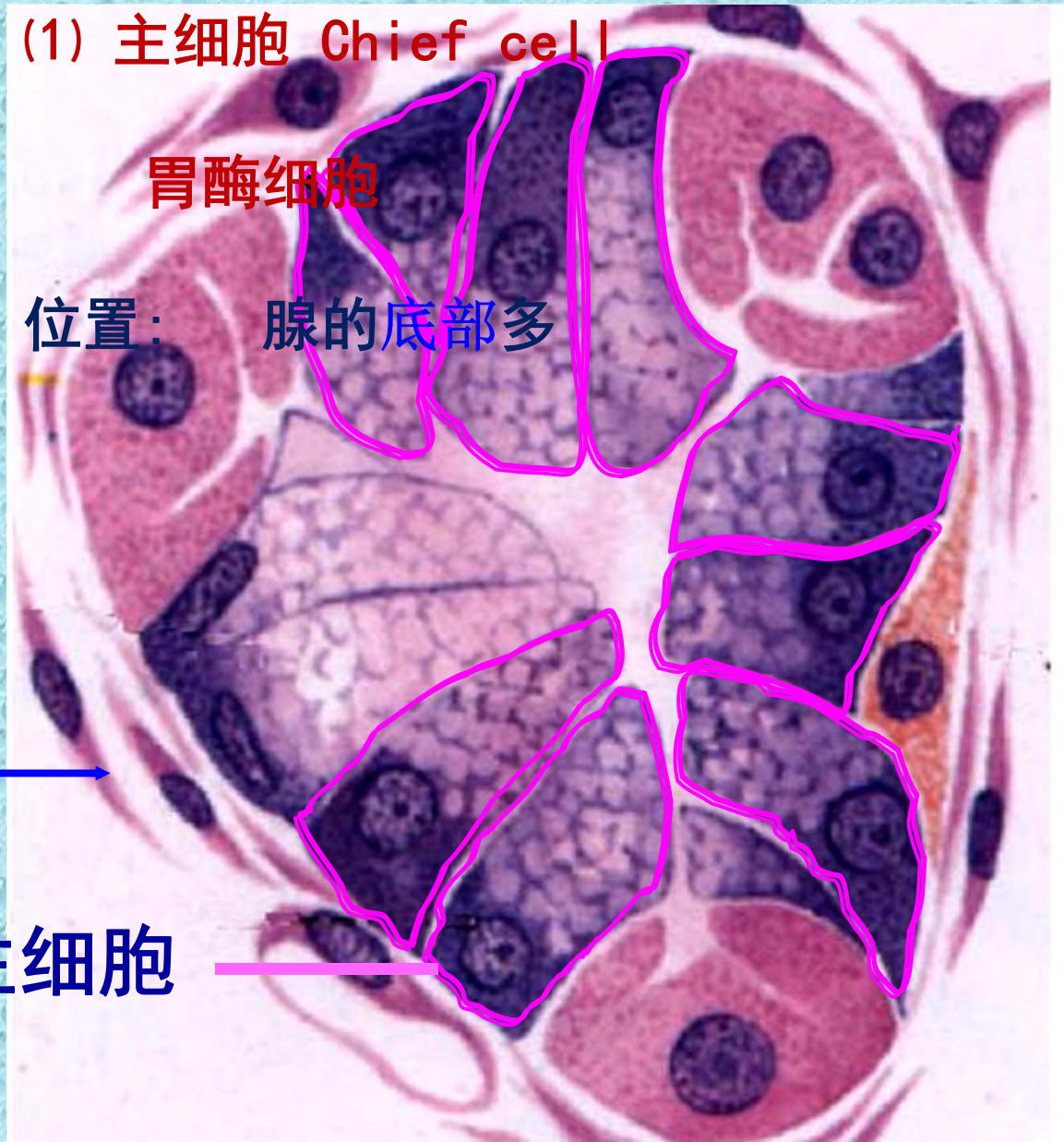
光镜下，核圆形位于细胞质基部，呈强嗜碱性，胞质充满酶原颗粒。

(1) 主细胞 Chief cell

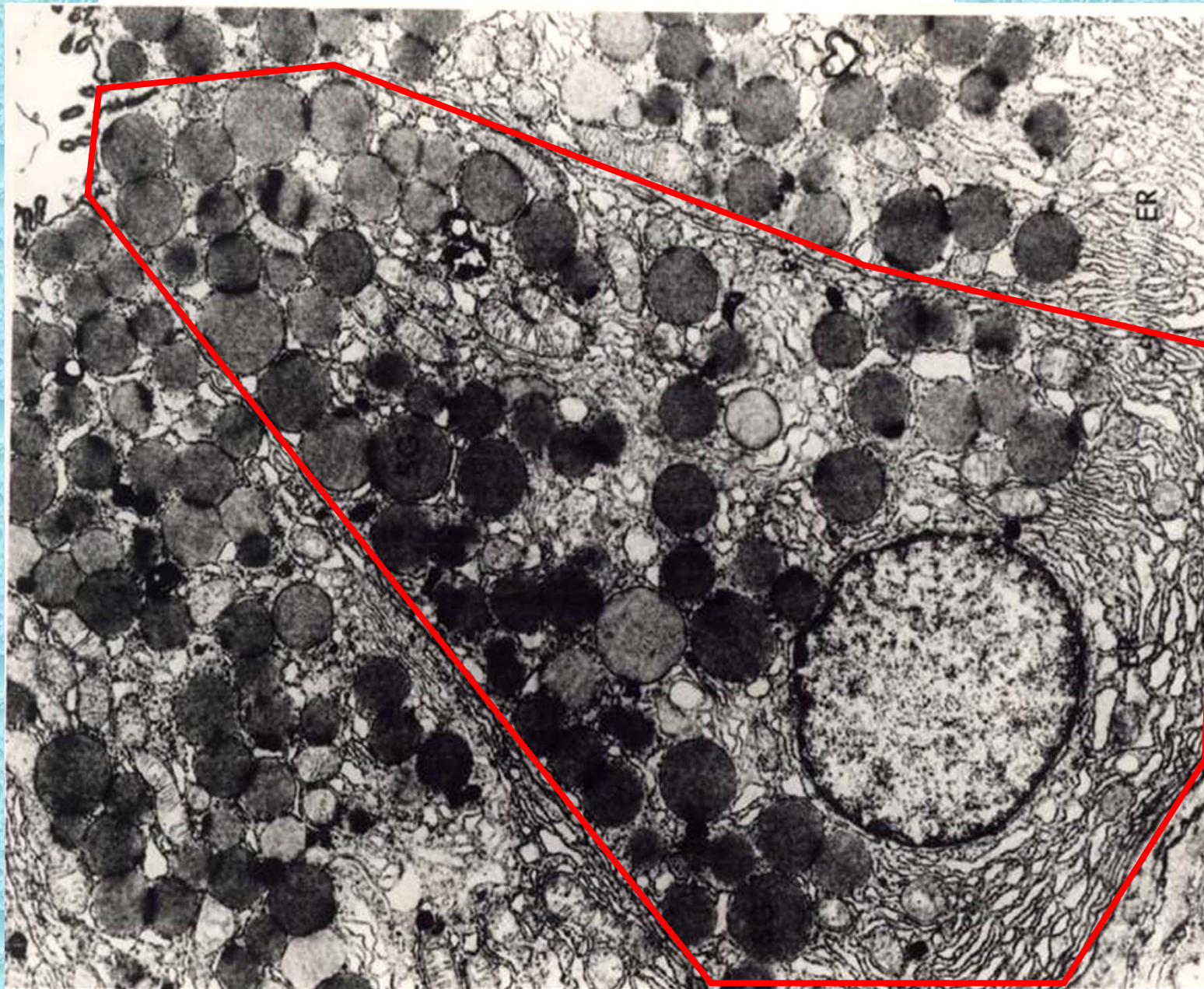
胃酶细胞

位置：腺的底部多

主细胞

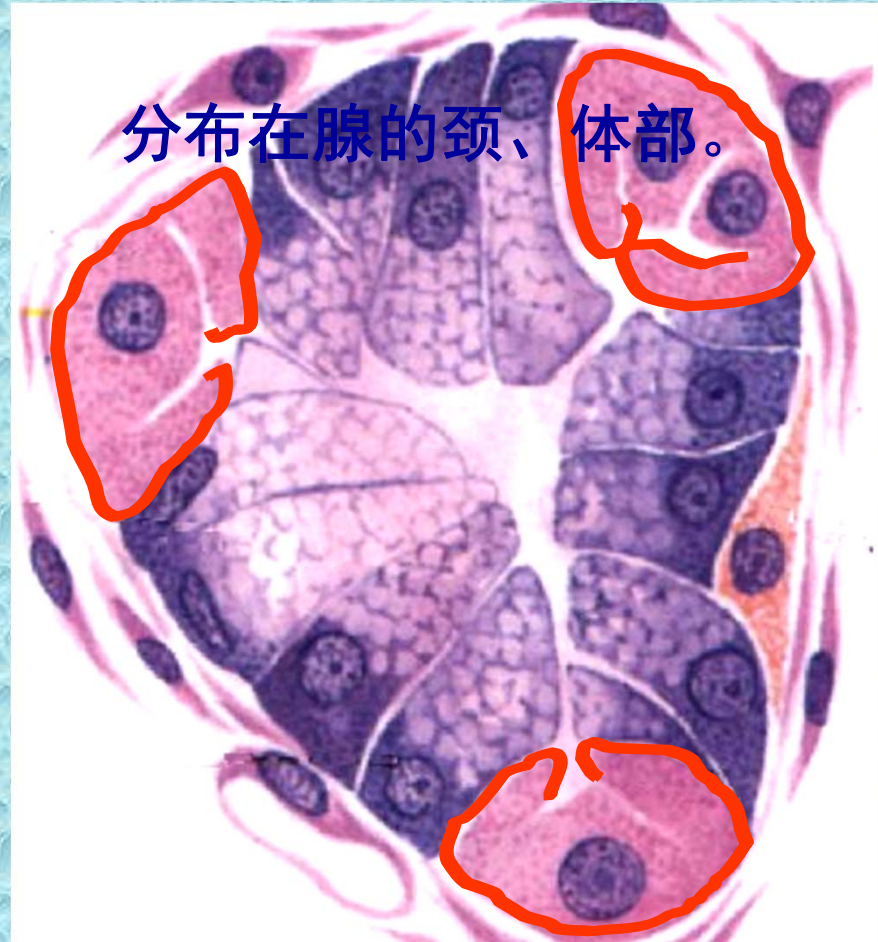


主细胞 chief cell



(2) 壁细胞 parietal cell

分布在腺的颈、体部。



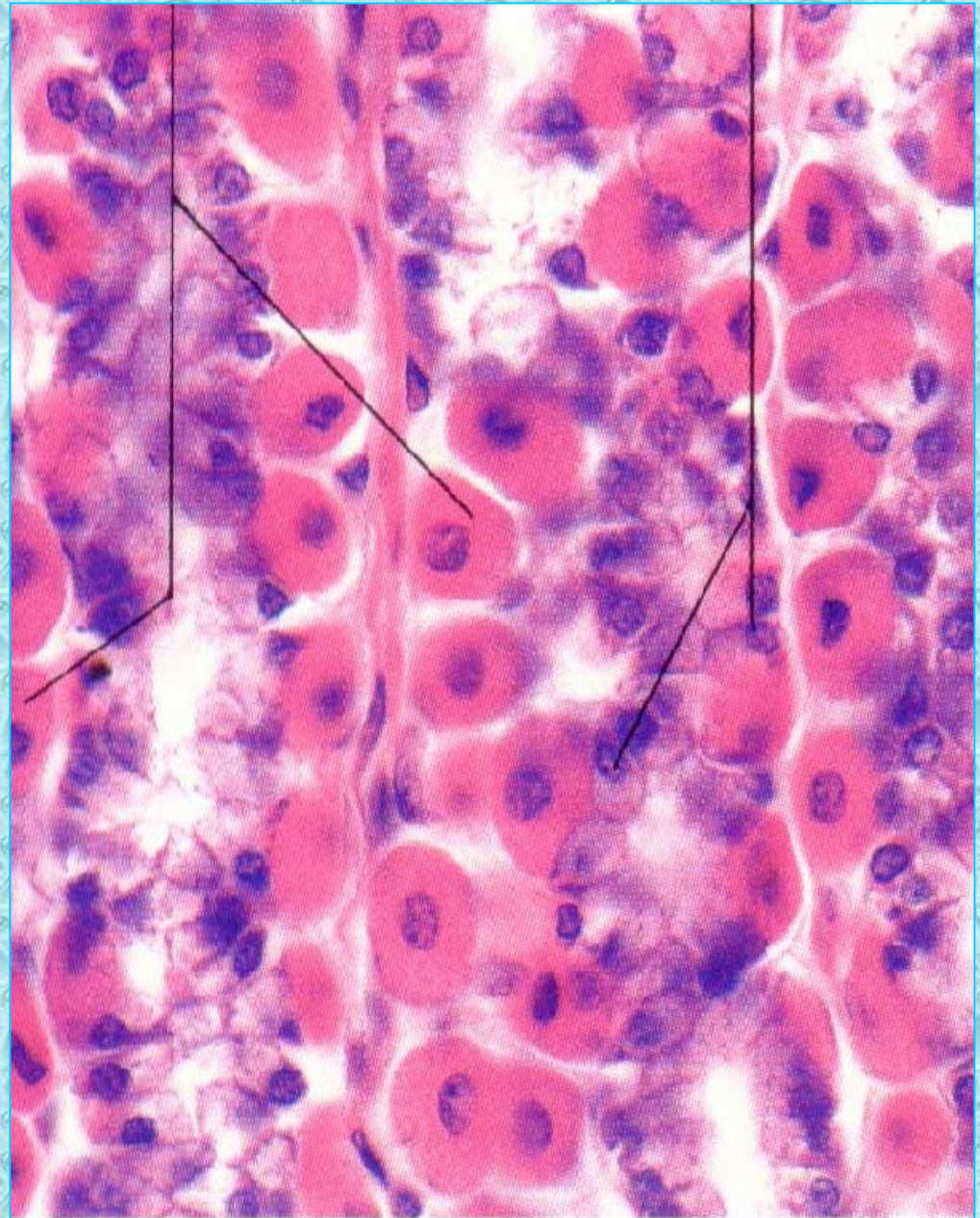
(2) 壁细胞

LM:

细胞体积较大，圆锥形。

核圆而深染，居中，可
有双核；

胞质呈强嗜酸性。



(2) 壁细胞

EM:

- ①细胞内分泌小管
- ②微管泡系统
- ③微绒毛
- ④大量的线粒体

细胞内分泌小管

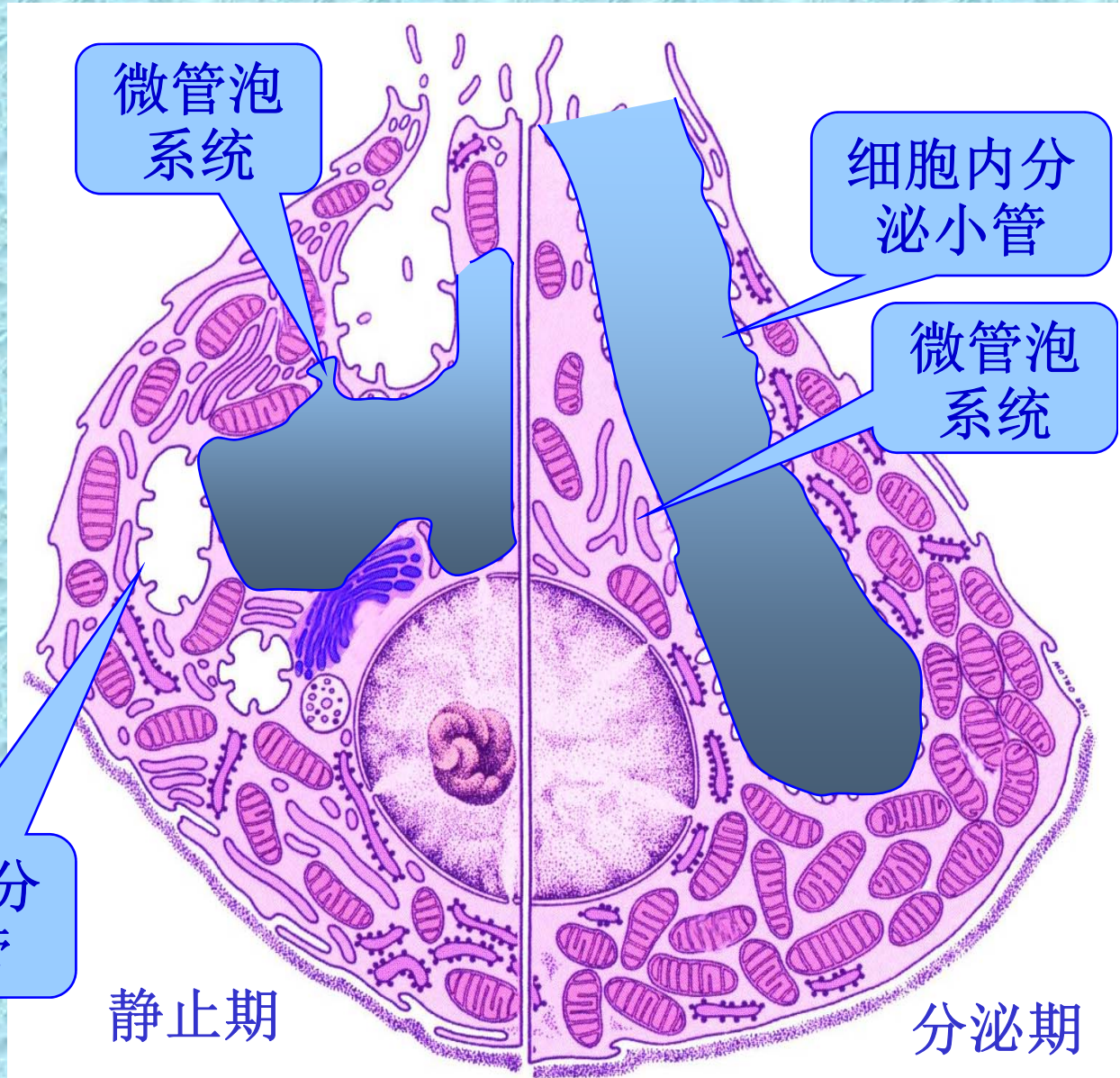
微管泡系统

细胞内分泌小管

微管泡系统

静止期

分泌期



(2) 壁细胞

功能：

1. 合成和分泌盐酸：（在细胞内分泌小管内合成）

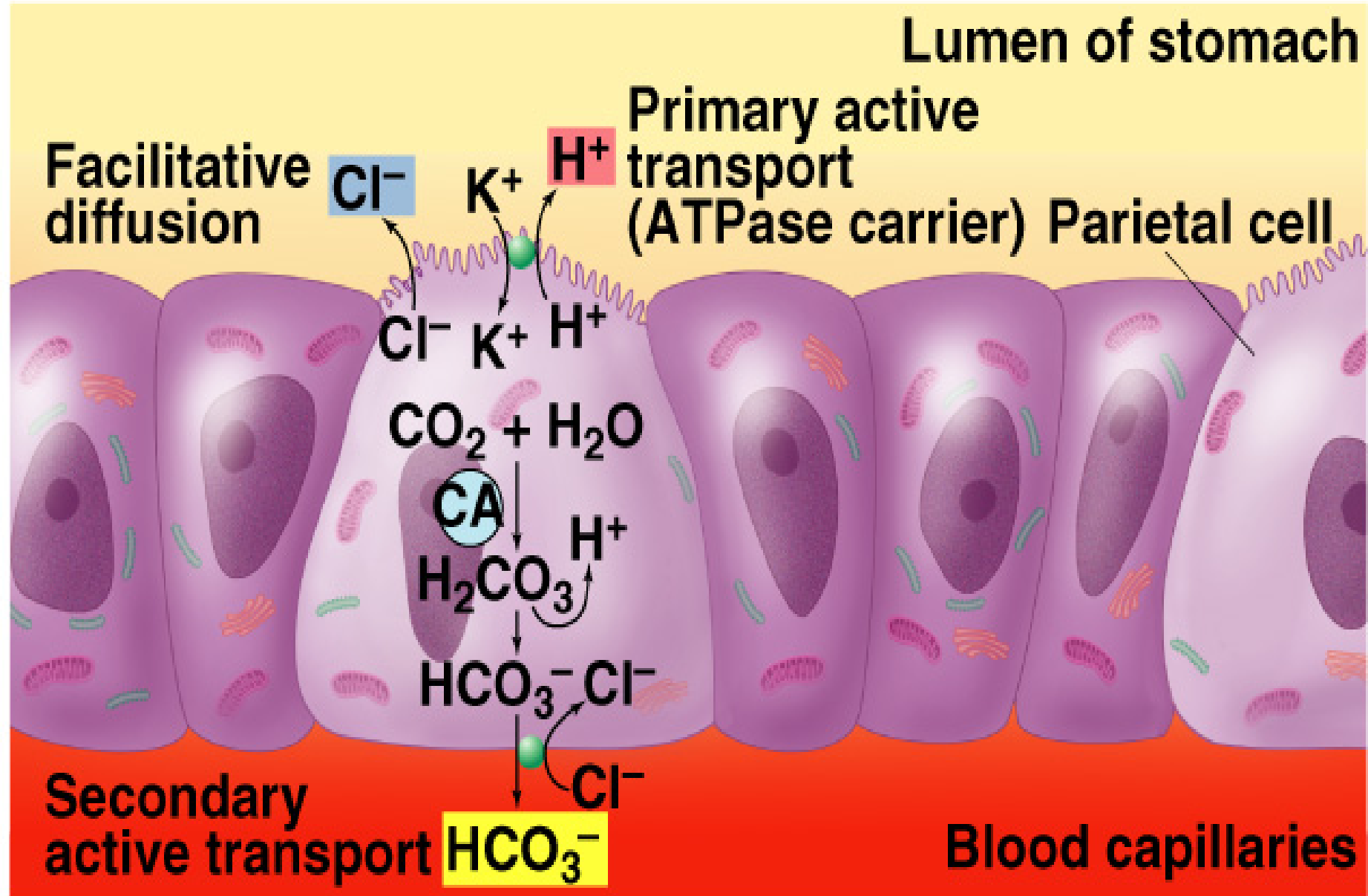
① 激活胃蛋白酶原 $\longrightarrow$ 胃蛋白酶

② 杀菌

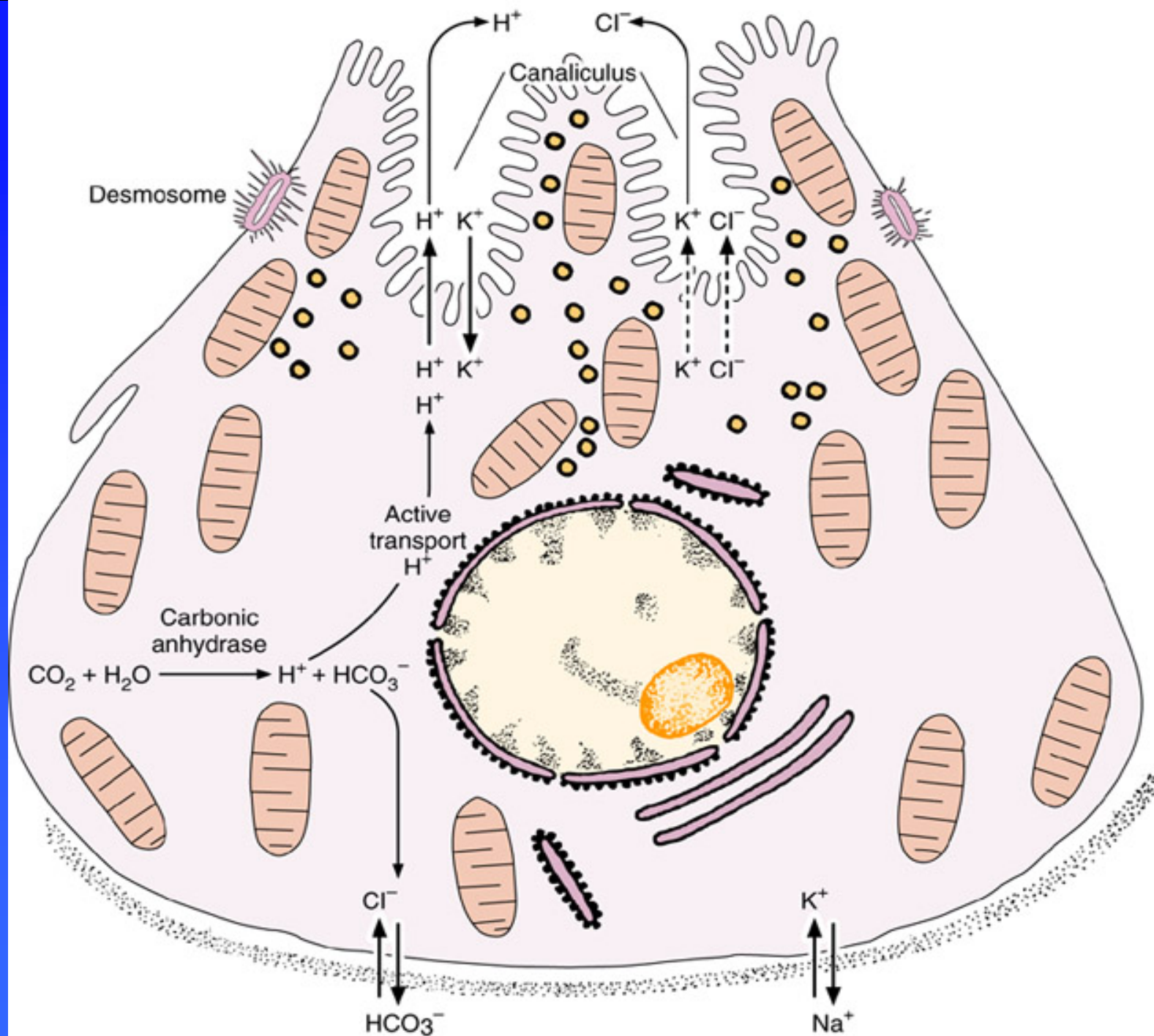
③ 促进胰液分泌

2. 分泌内因子（intrinsic factor）

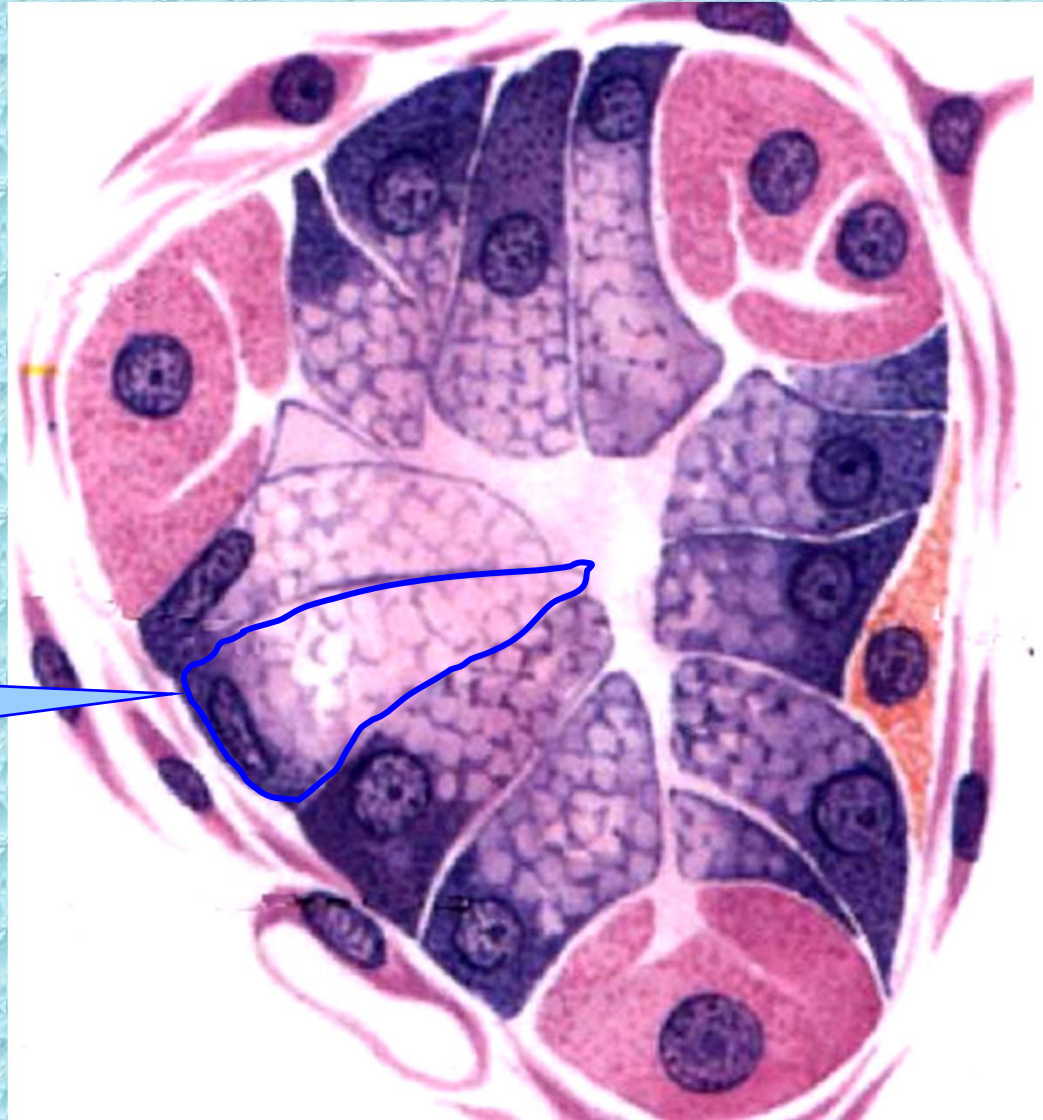
萎缩性胃炎 $\longrightarrow$ 维生素B₁₂缺乏 $\longrightarrow$ 恶性贫血



盐酸的分泌过程



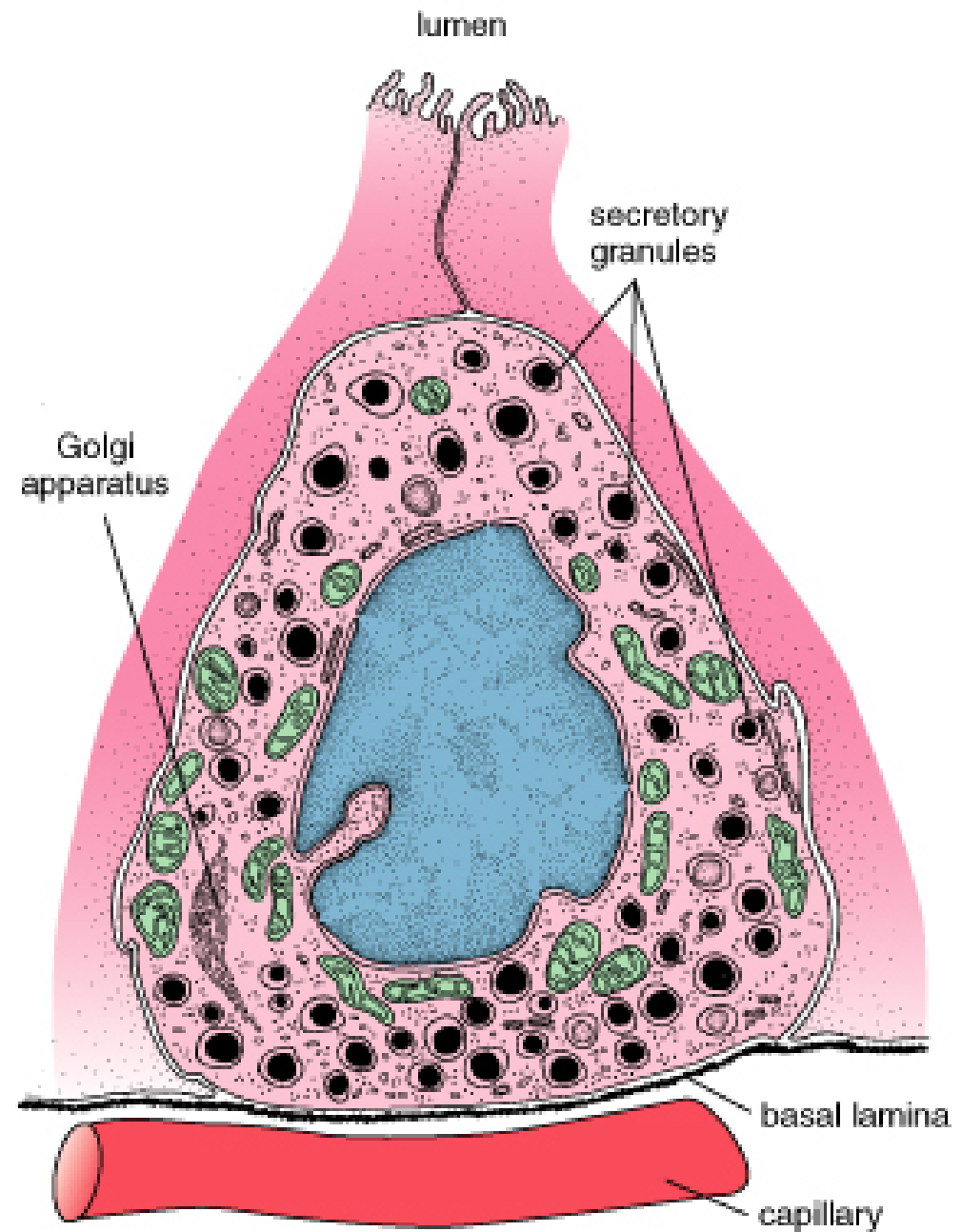
(3) 颈粘液细胞 (mucous neck cell)



颈粘液
细胞

(4) 内分泌细胞

(5) 未分化细胞



小 结

胃底腺结构与功能

位置与形成:

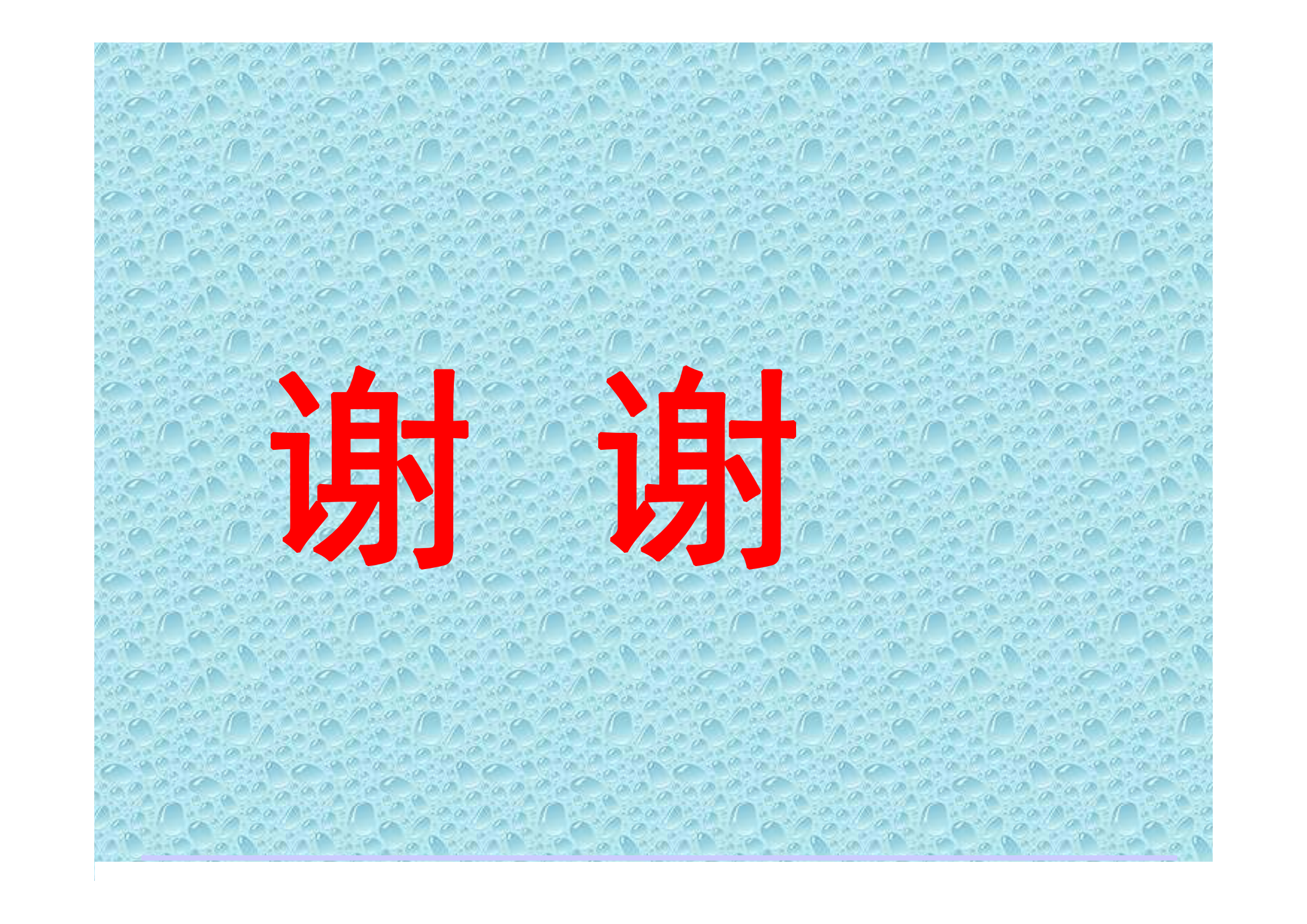
开口:

形态: 管状腺

分段: 颈、体、底

细胞构成:

- 壁细胞 parietal cell
- 主细胞 chief cell
- 颈粘液细胞 neck mucous cell
- 内分泌细胞 endocrine cell
- 未分化细胞 undifferentiated cell

The background of the slide is a light blue surface covered with numerous small, realistic water droplets of varying sizes, creating a textured, dewy effect.

谢谢