

运动系统

locomotor system

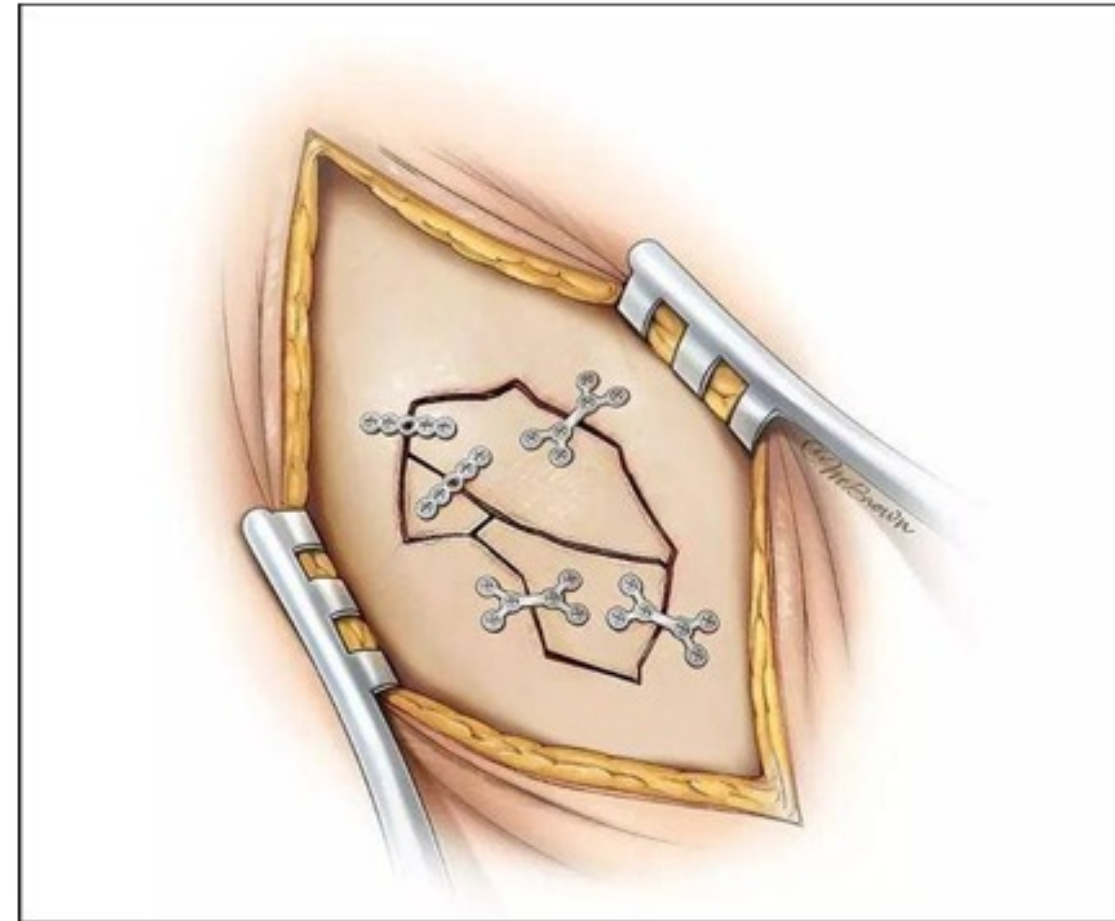
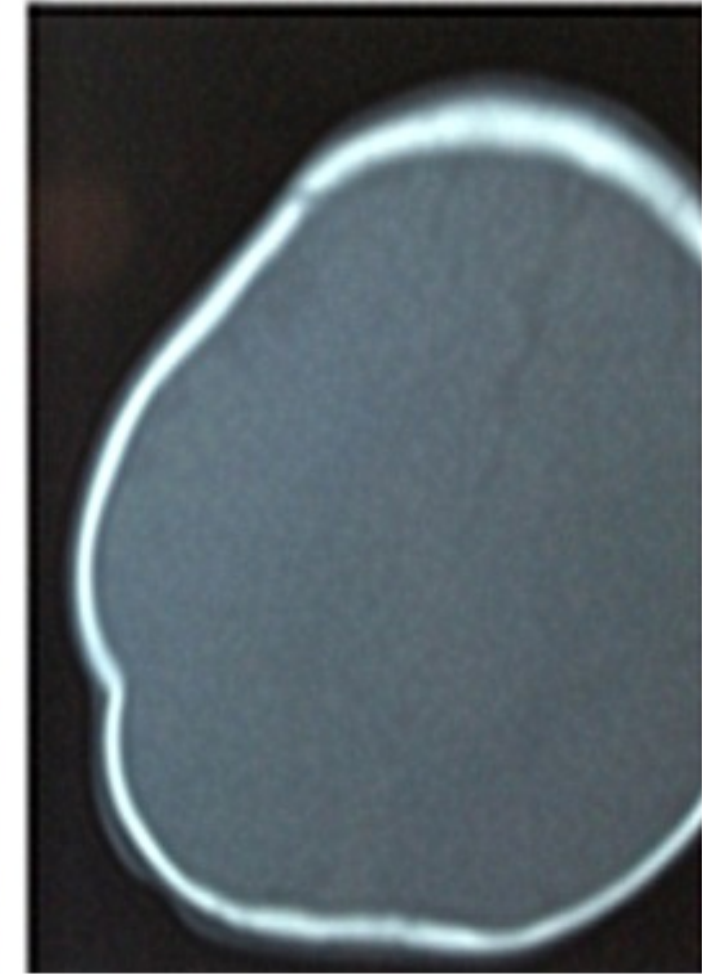
颅骨 skull (一)

人体解剖学教研室 于树娜

教务账号: **11060**

目的要求

- 1.掌握颅骨的组成、分部。
- 2.掌握脑颅诸骨的位置和分部。熟悉面颅诸骨的位置和分部。掌握上、下颌骨的形态结构。
- 3.掌握颅的顶面观、后面观、侧面观的形态结构；颅底内面观、外面观的主要结构；眶、骨性鼻腔的位置和结构；鼻旁窦的位置、开口部位。
- 4.了解新生儿颅的特征和生后变化。

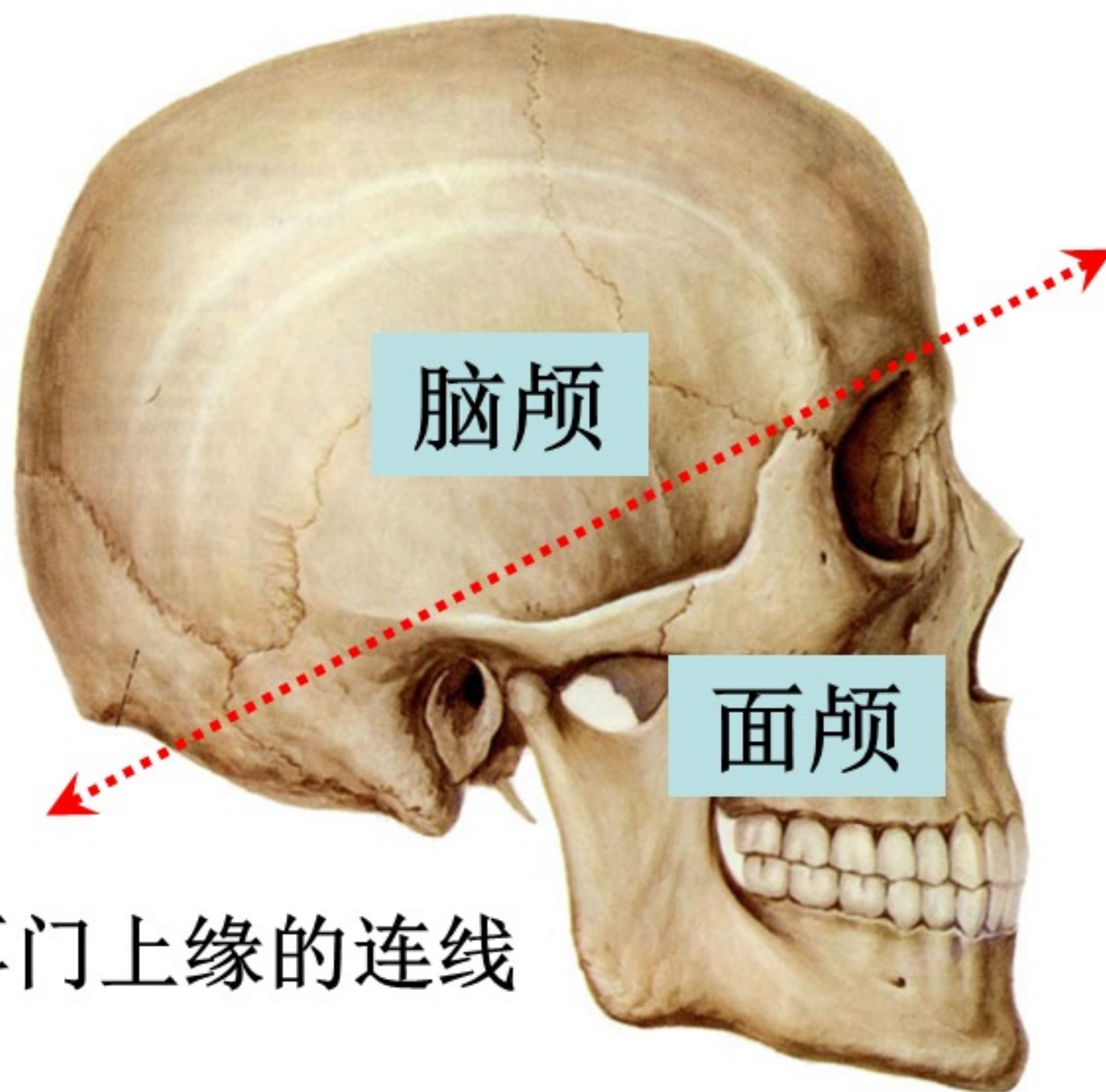


?

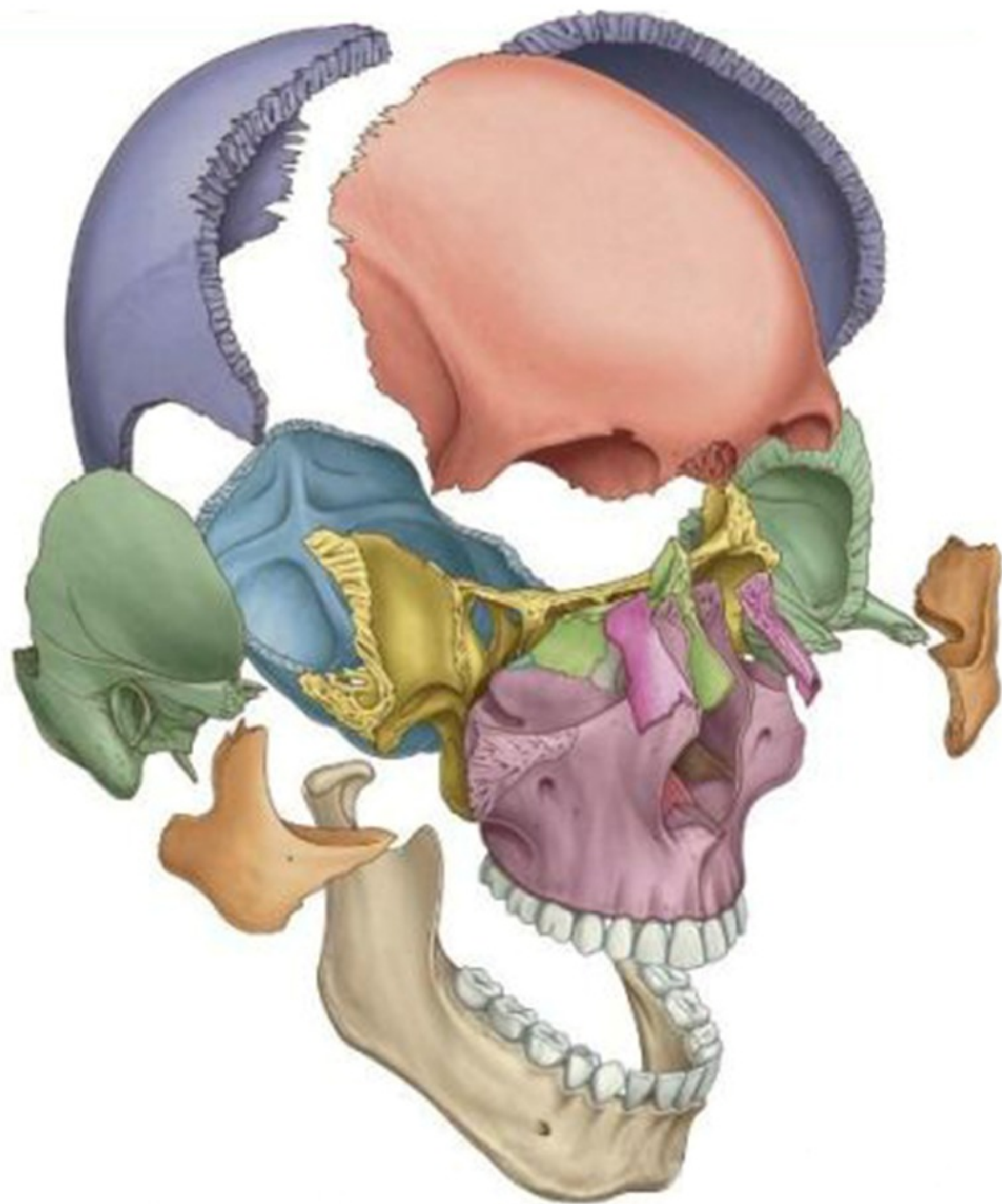
颅骨骨折可能损伤哪些结构

组成分部

- 由**23**块颅骨组成
- 分为**脑颅**和**面颅**
- **3**对听小骨未计入



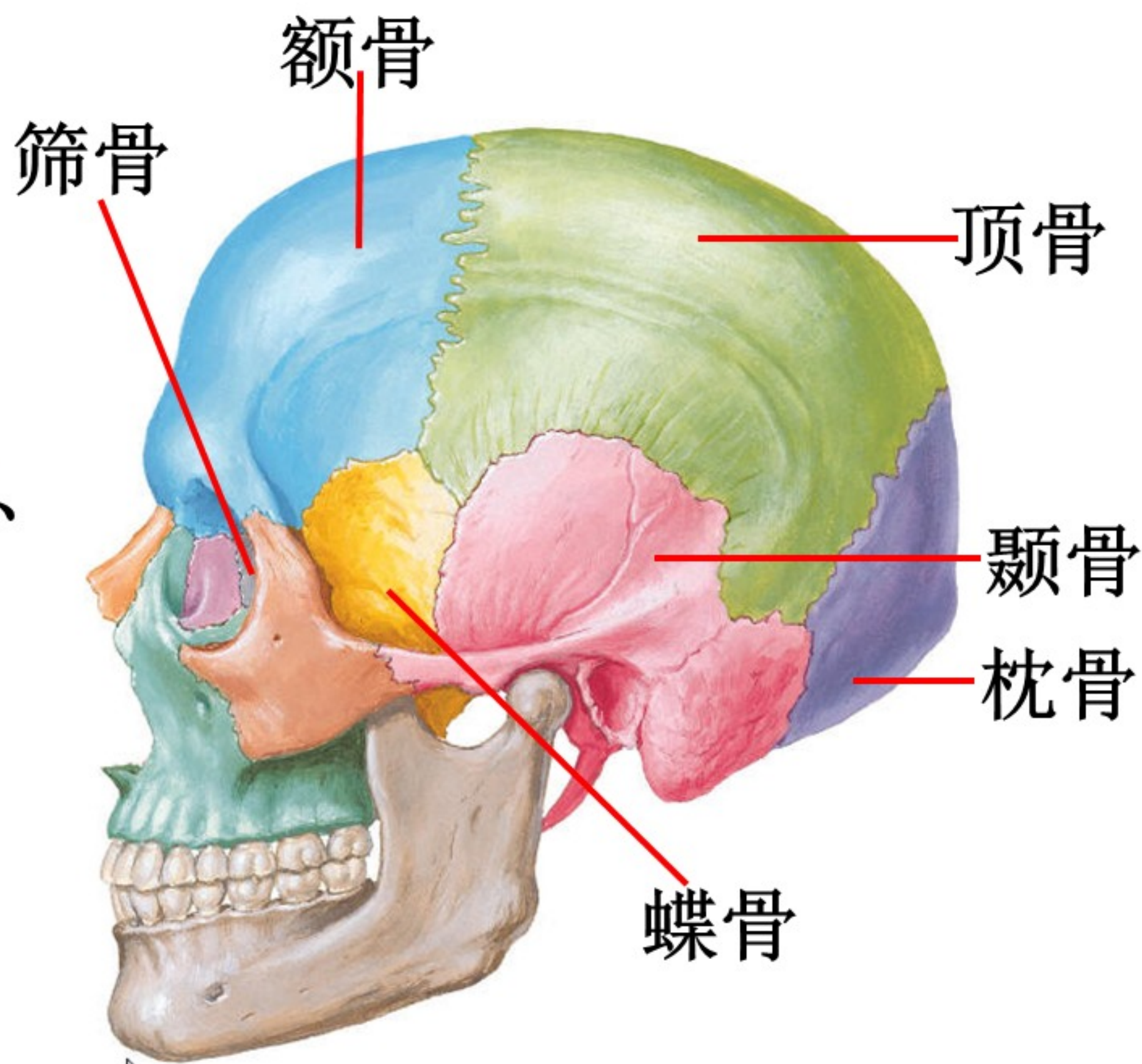
眶上缘和外耳门上缘的连线



脑颅骨

共8块

- 成对：顶骨、颞骨
- 不成对：额骨、筛骨、蝶骨、枕骨



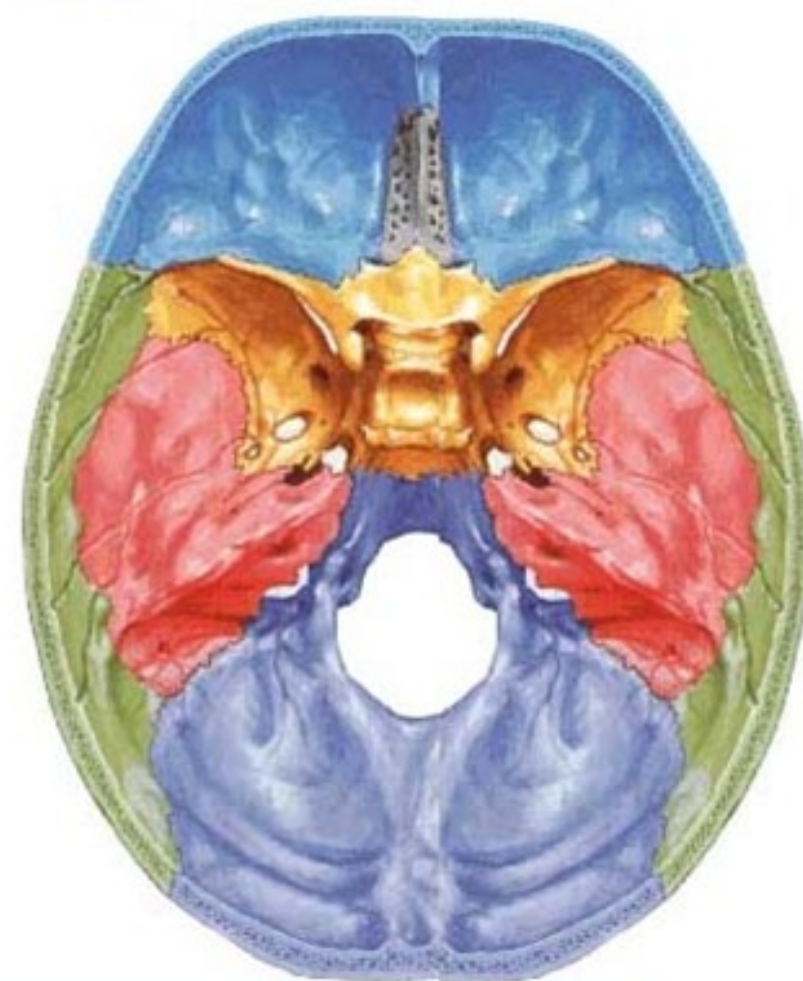
颅盖：额骨、顶骨、枕骨

颅底：前方—额骨、筛骨

中部—蝶骨

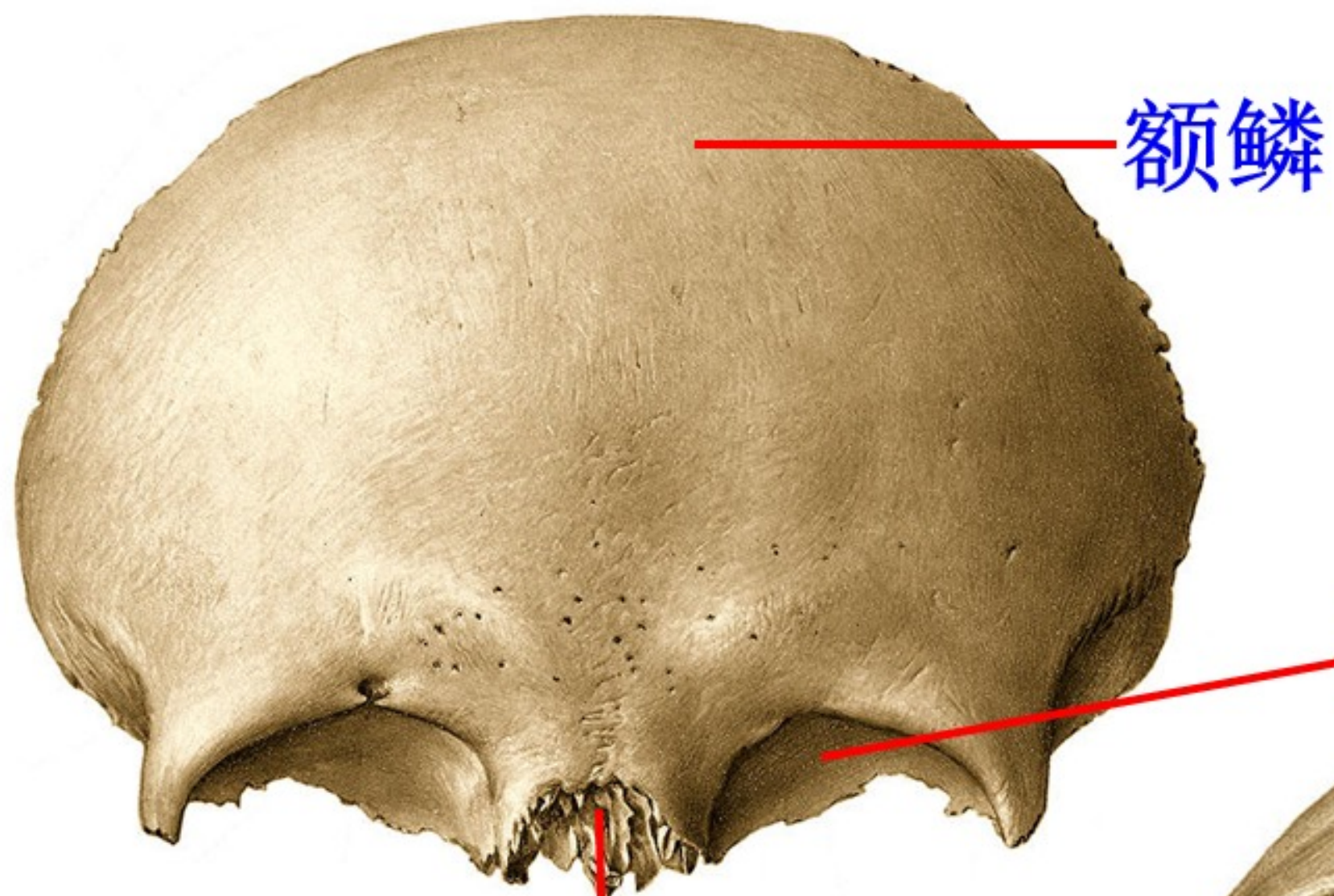
两侧—颞骨

后方—枕骨



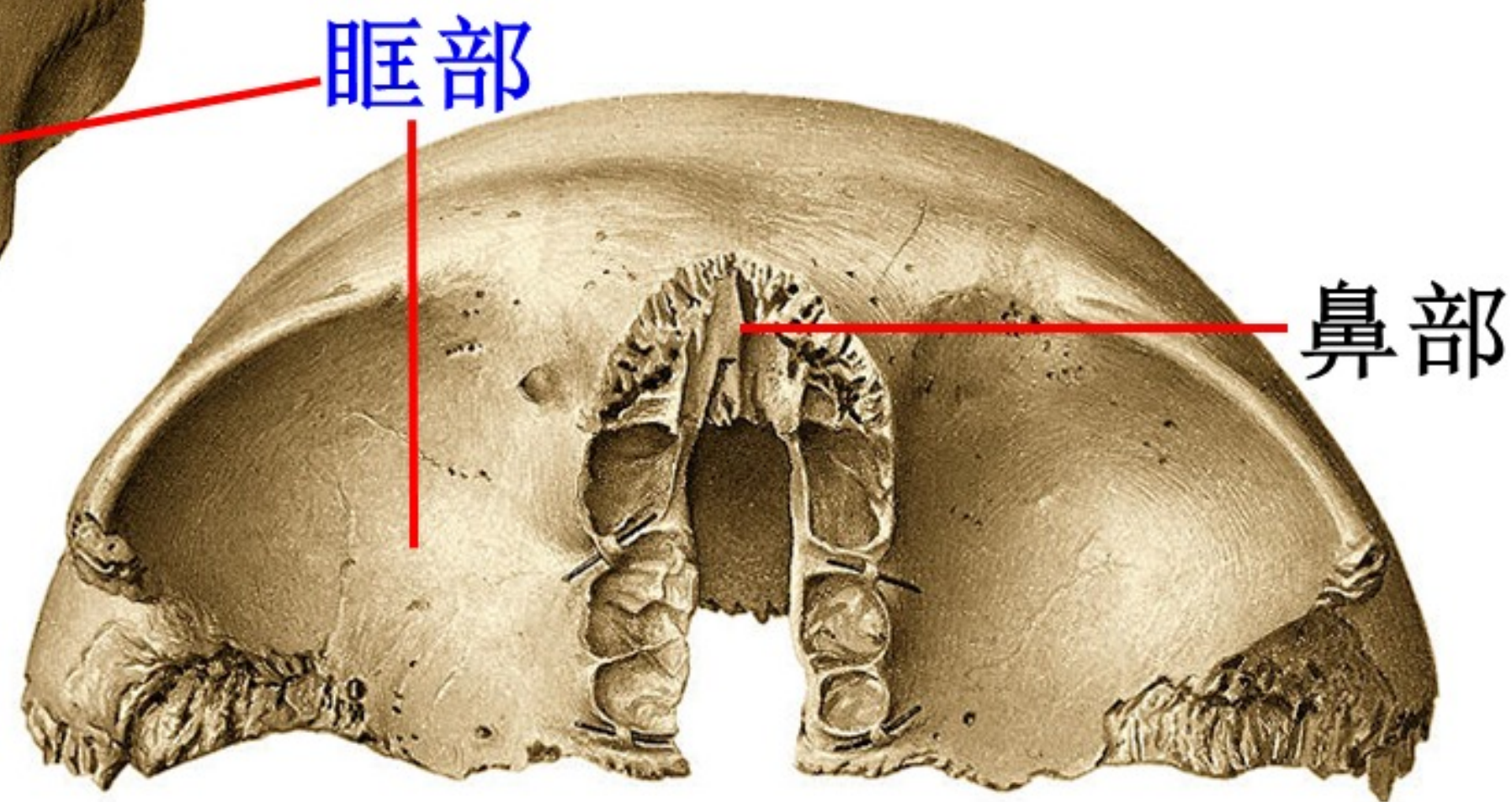
注：筛骨一小部分参与脑颅，其余构成面颅

1. 额骨



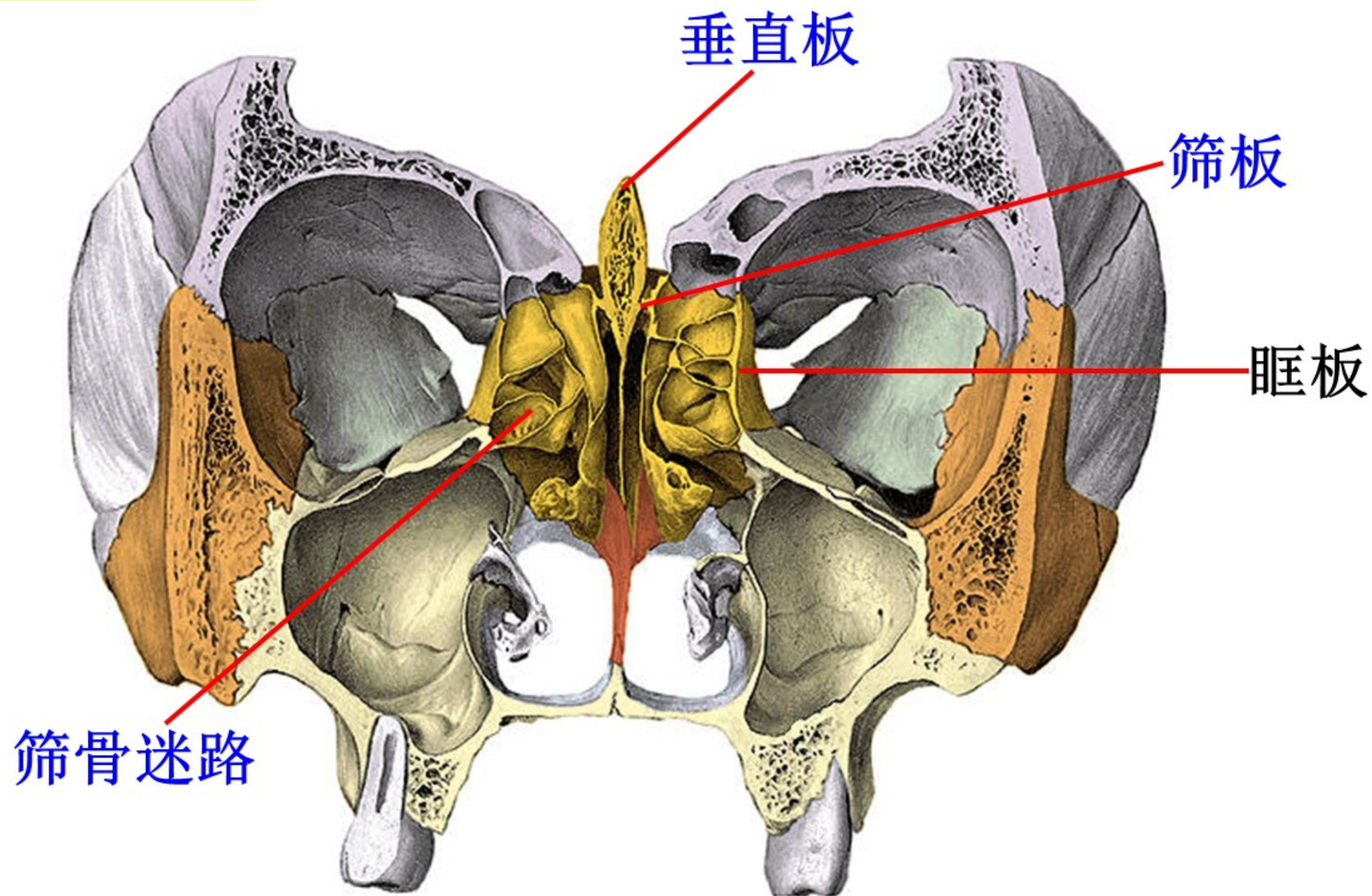
鼻部

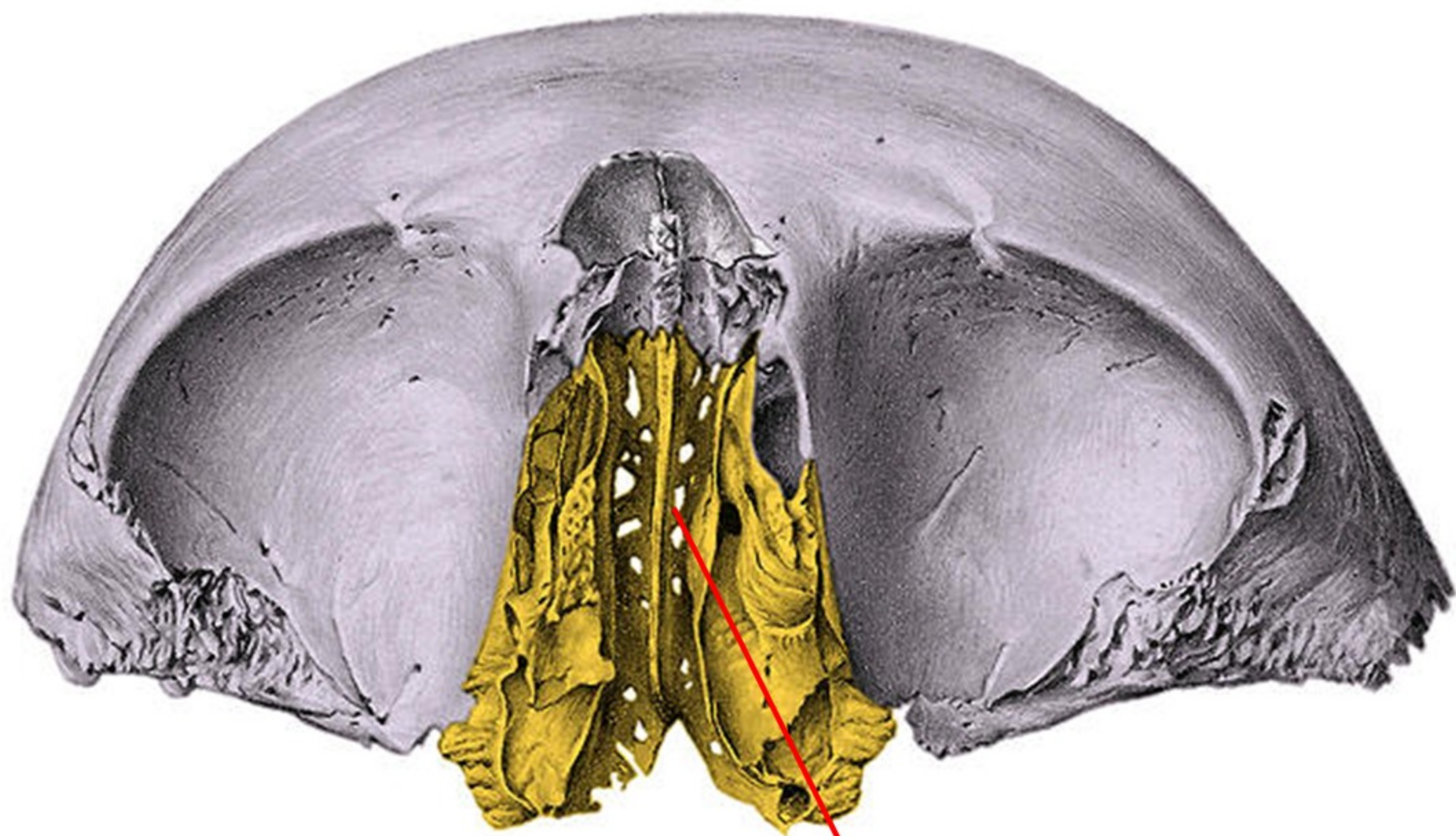
额骨前面观



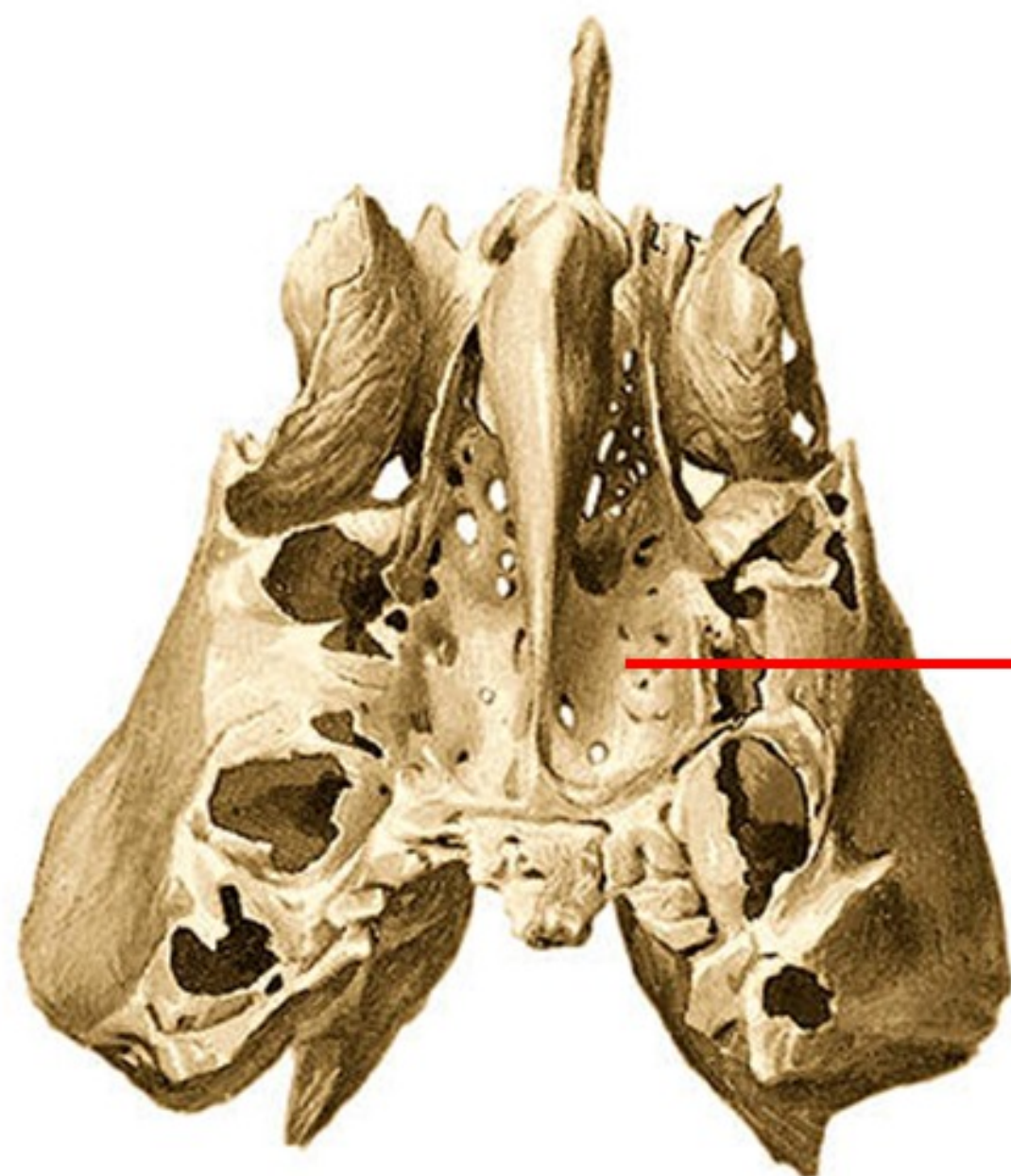
额骨下面观

2. 筛骨：两眶之间



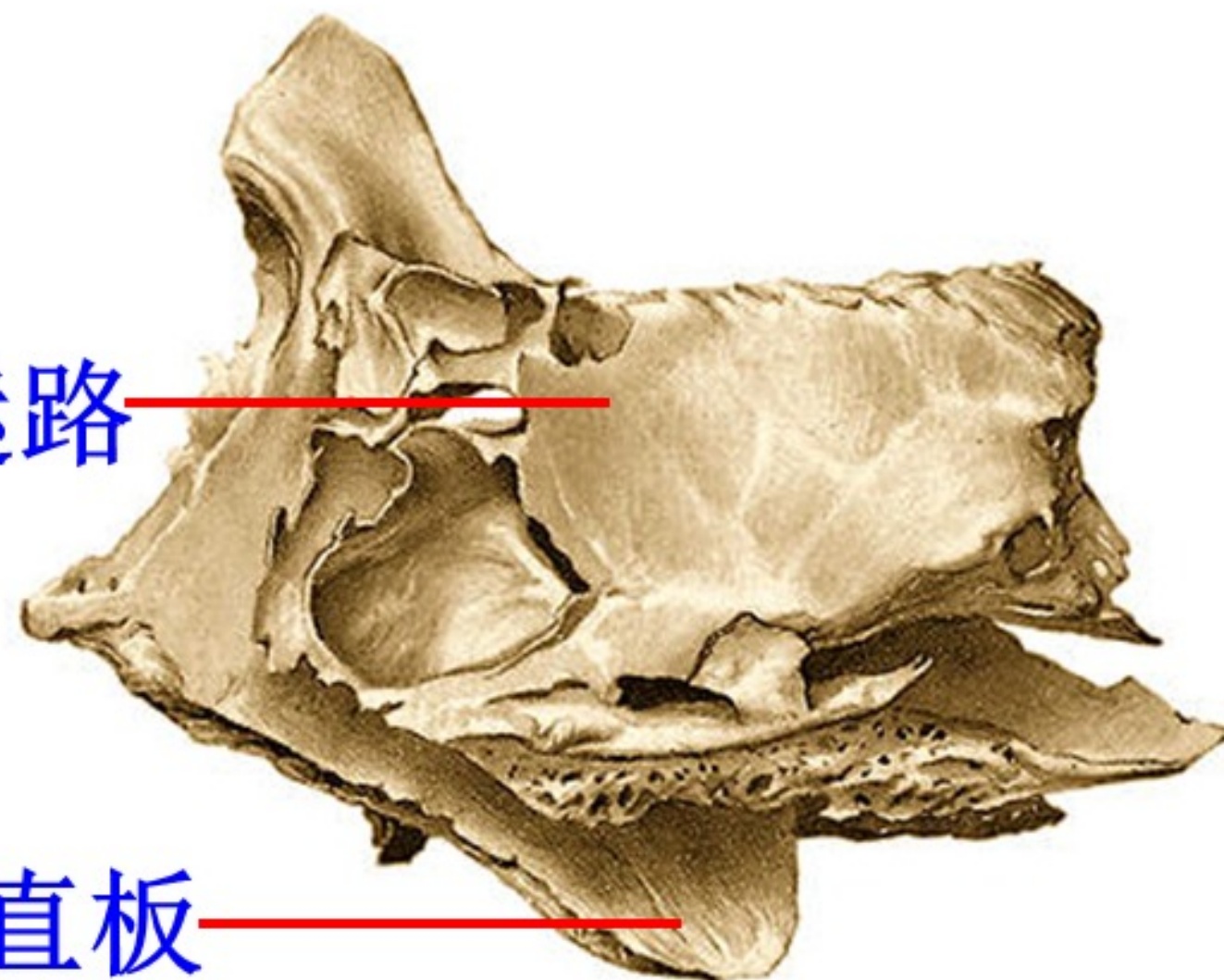


篩板



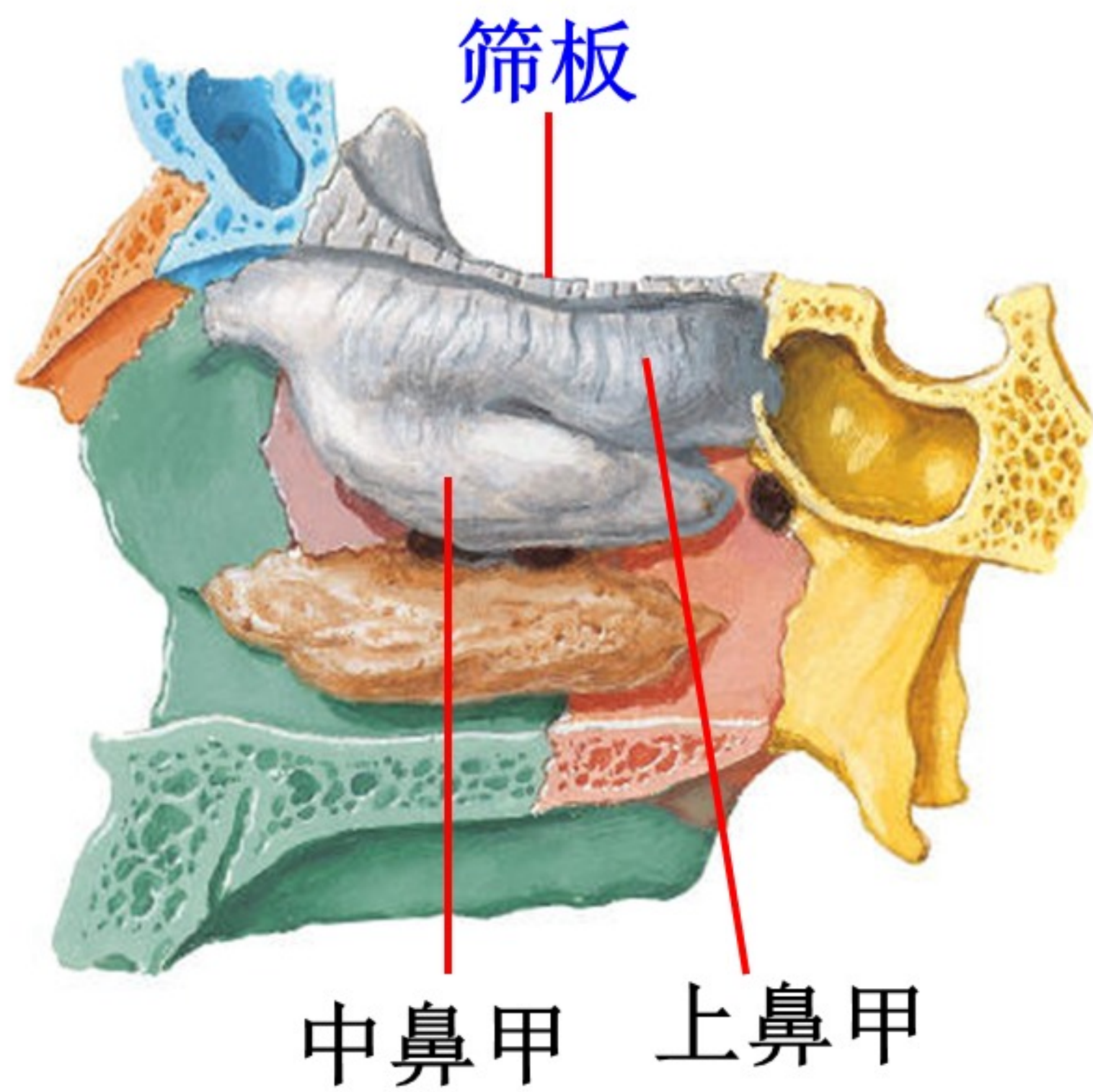
筛骨上面观

筛骨迷路
筛板

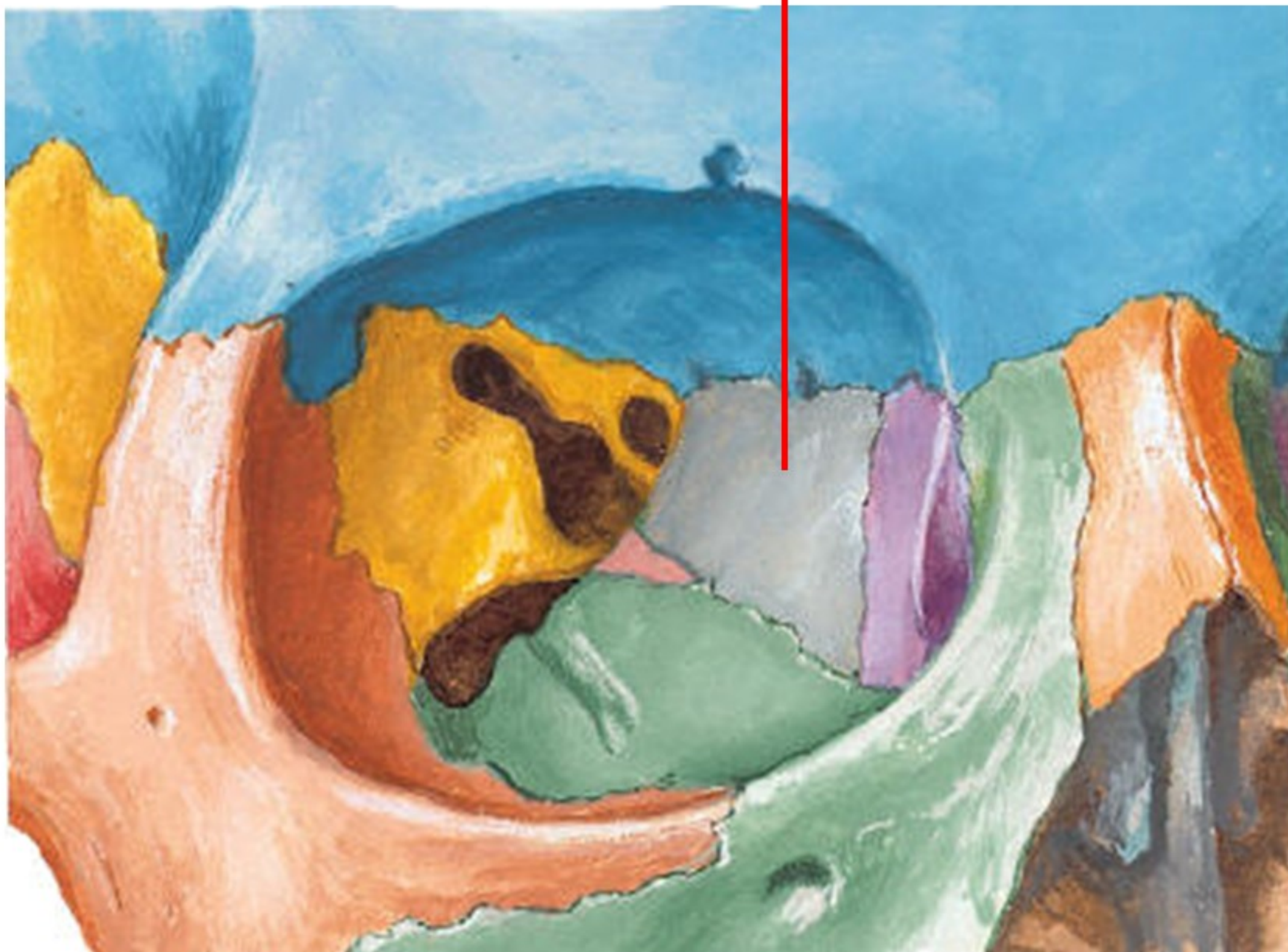


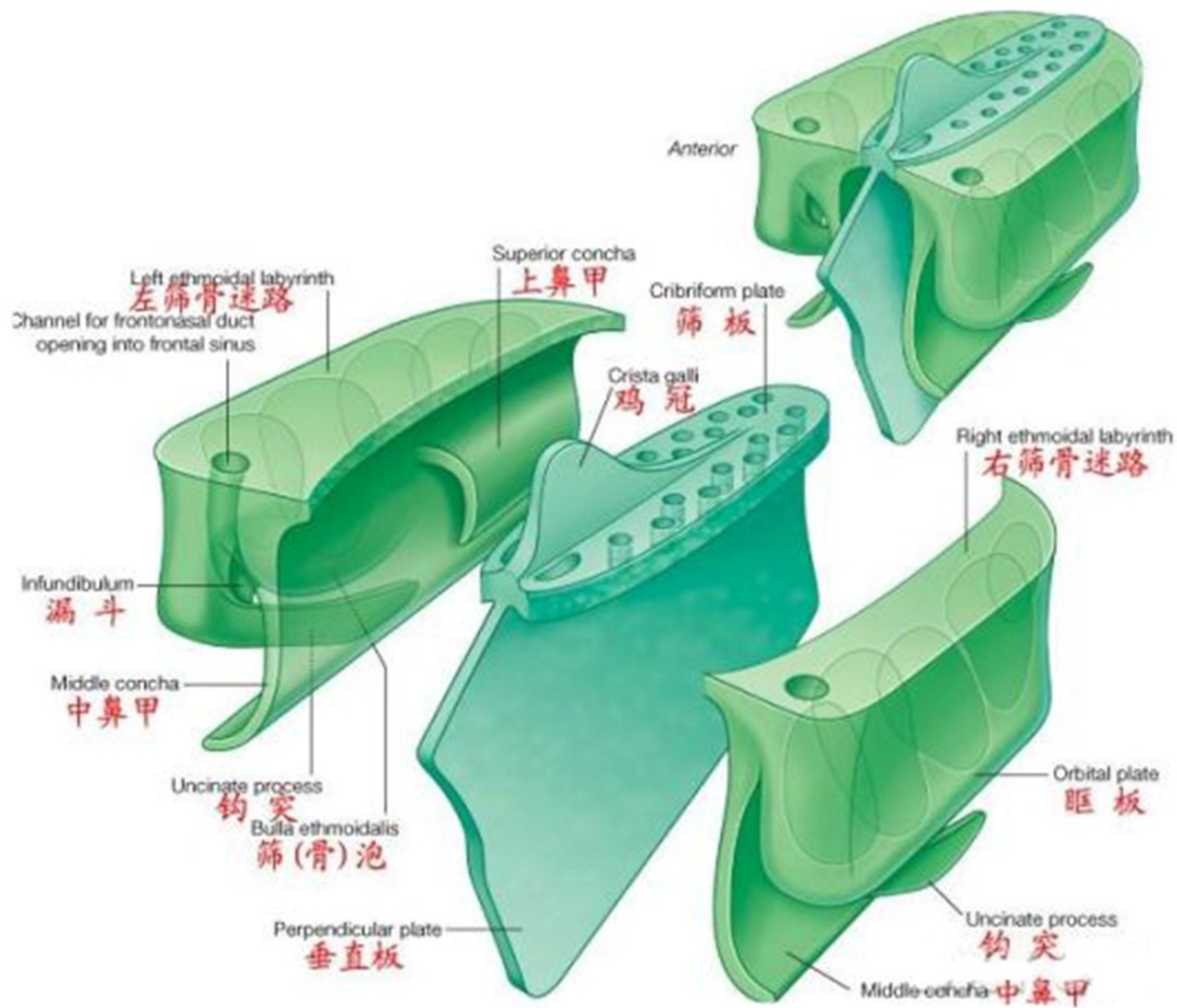
垂直板

筛骨侧面观

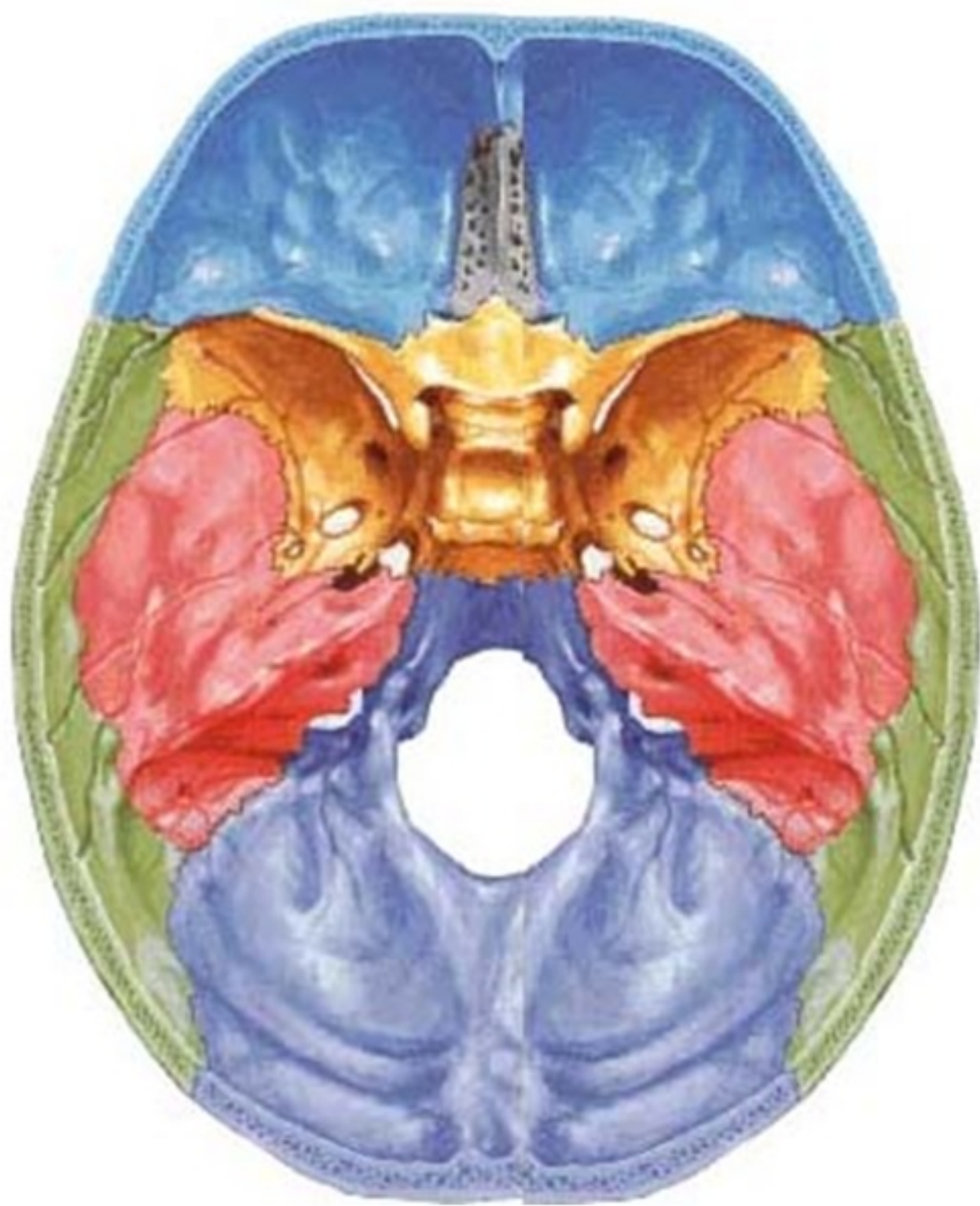


眶板

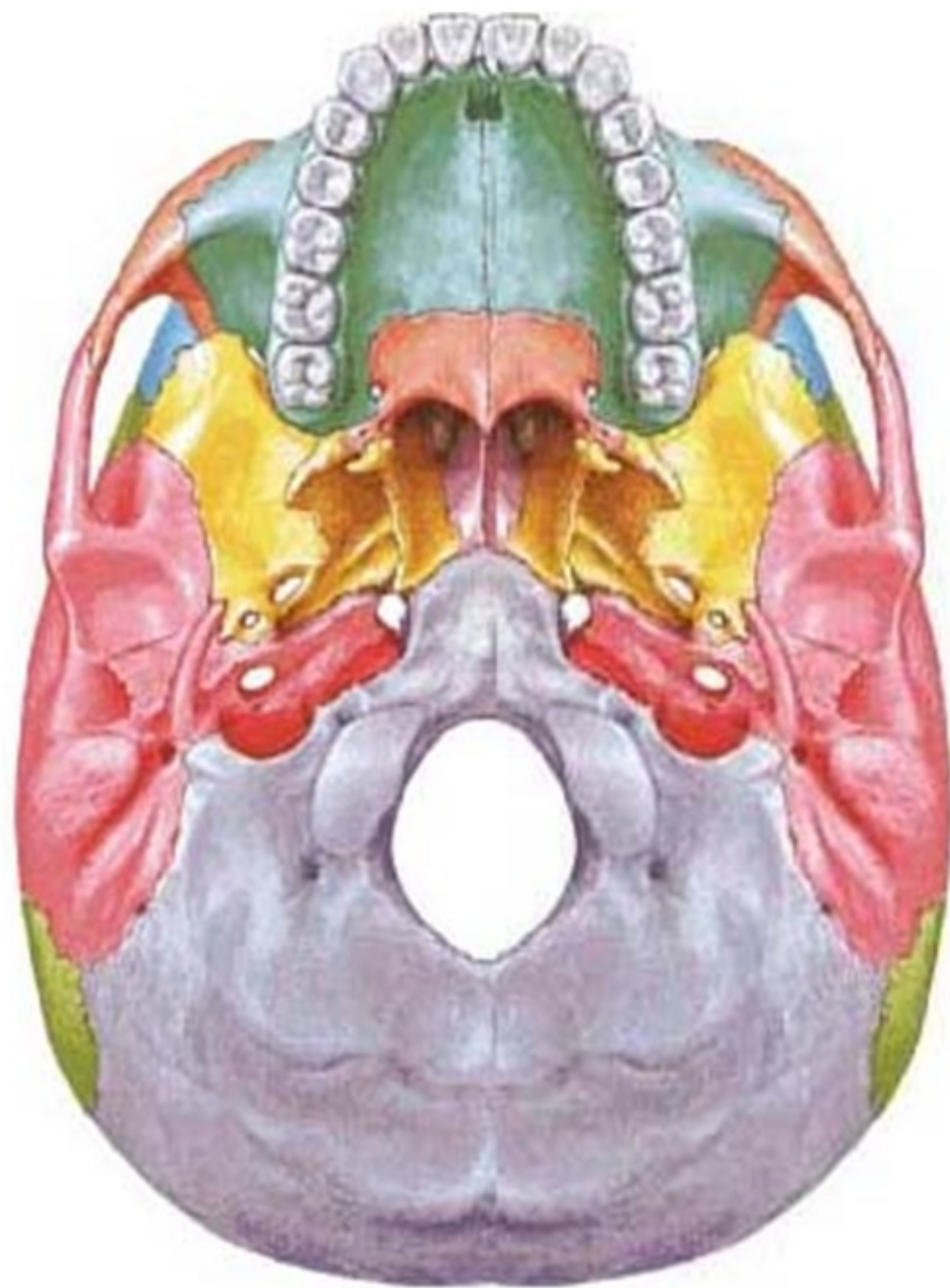




3. 蝶骨

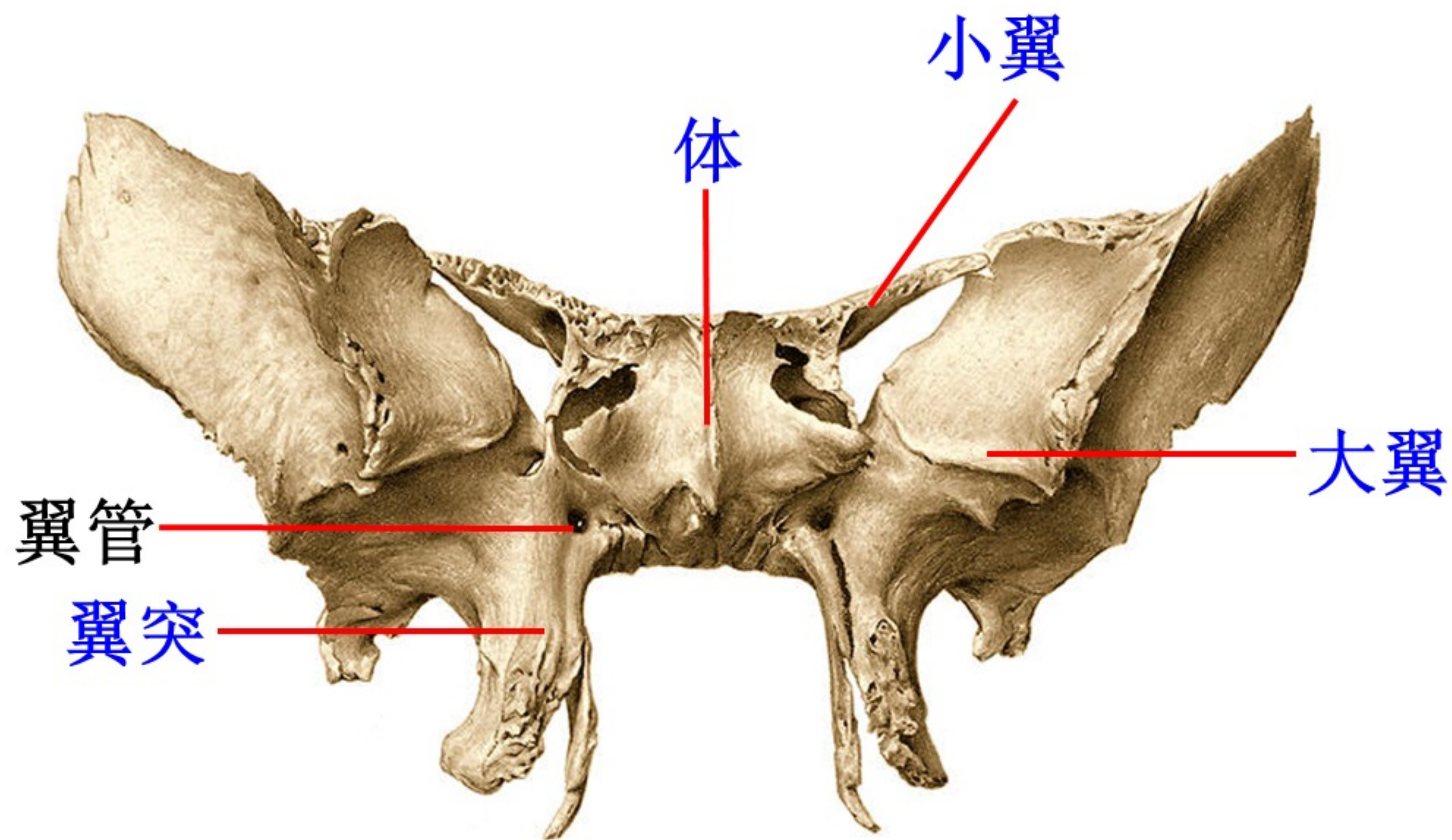


颅底内面观

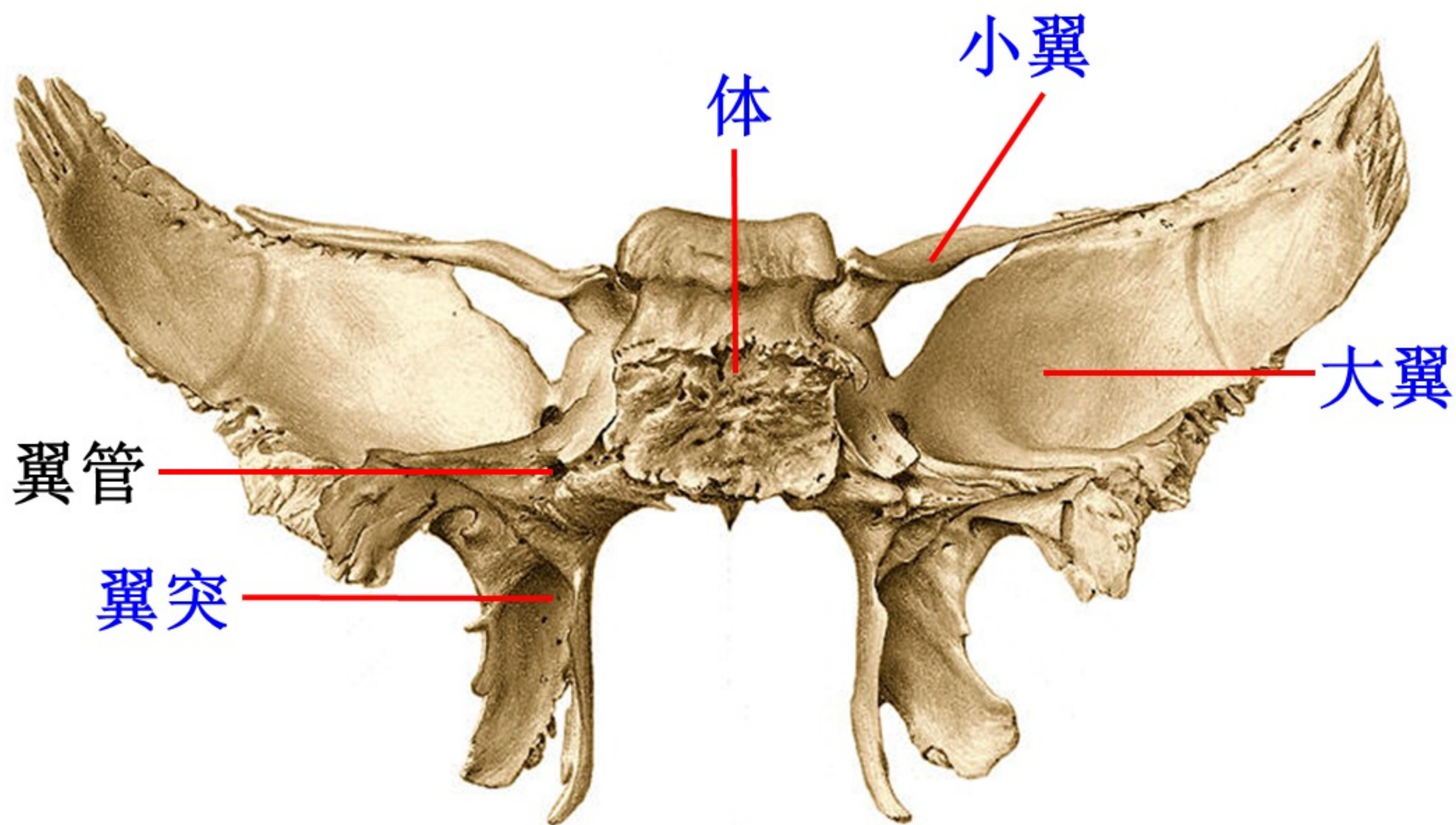


颅底外面观



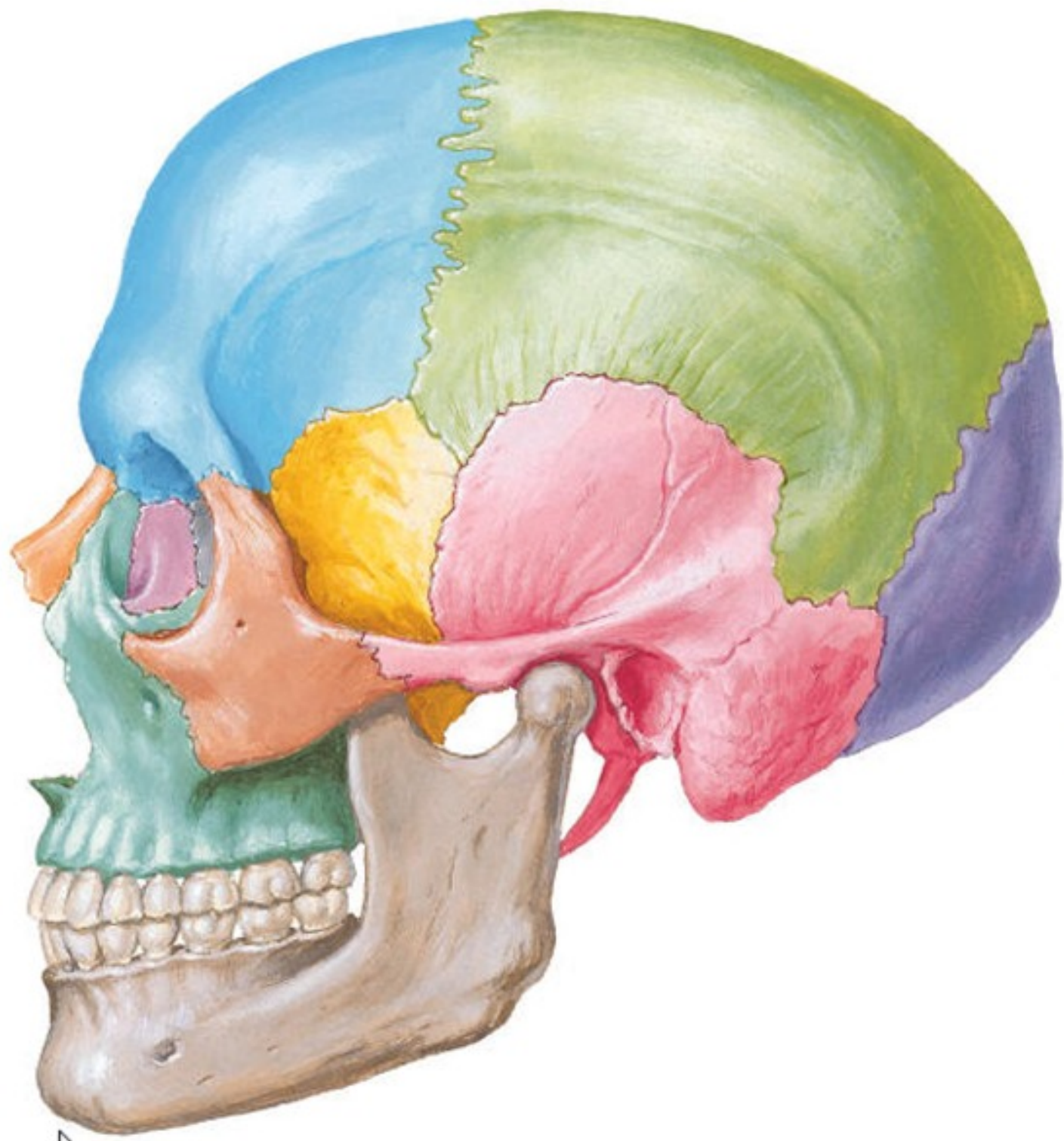


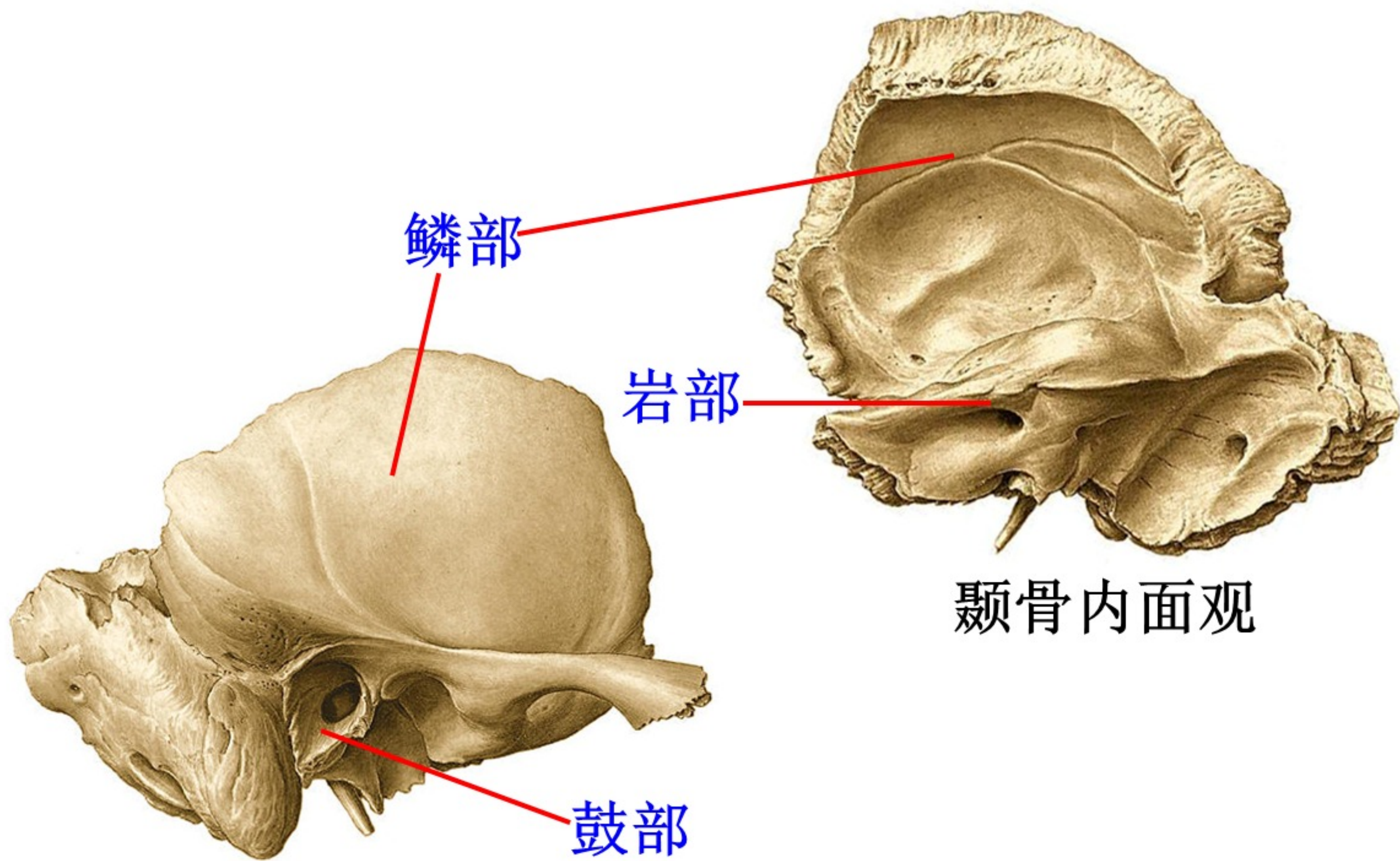
蝶骨前面观



蝶骨后面观

4. 颞骨

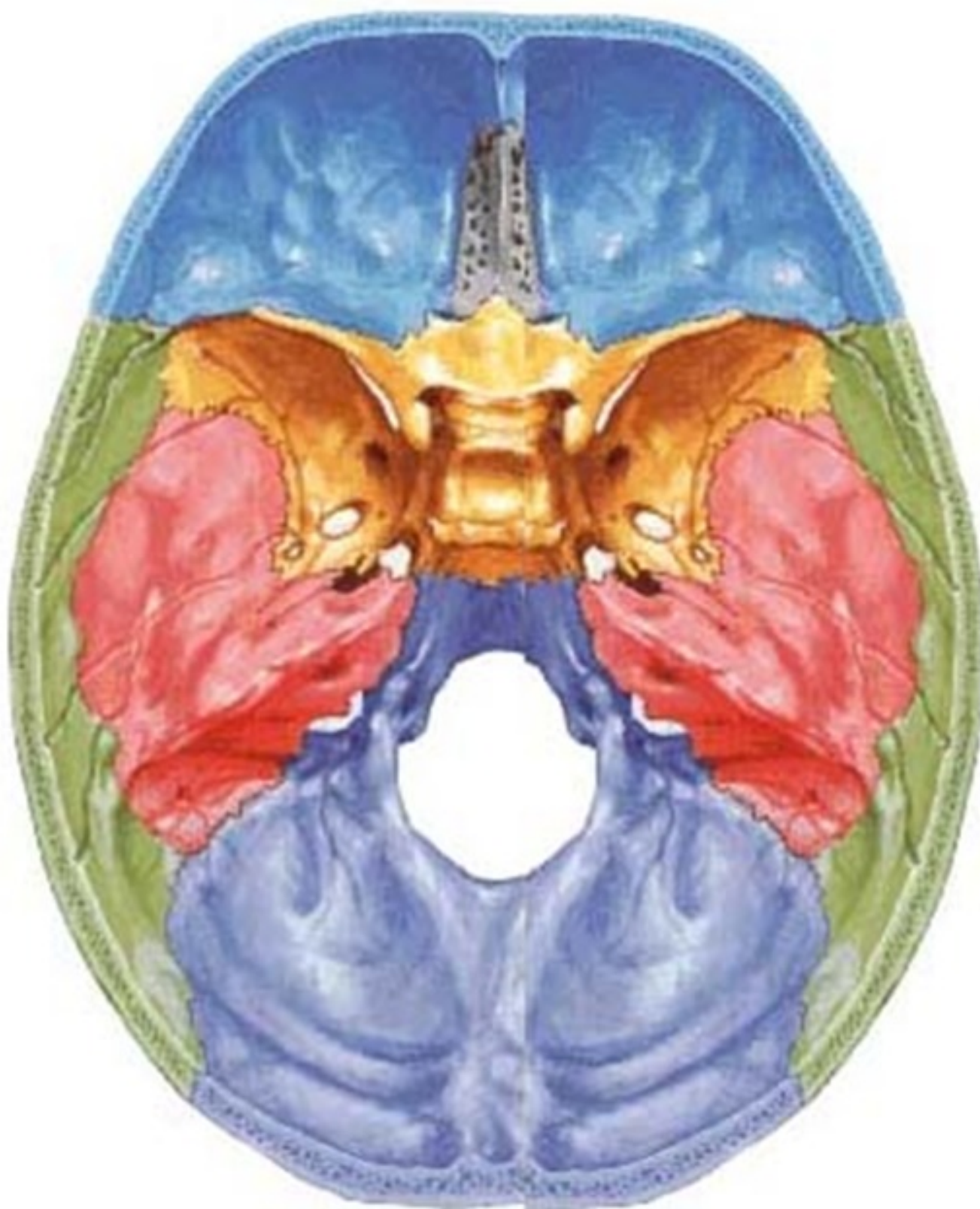




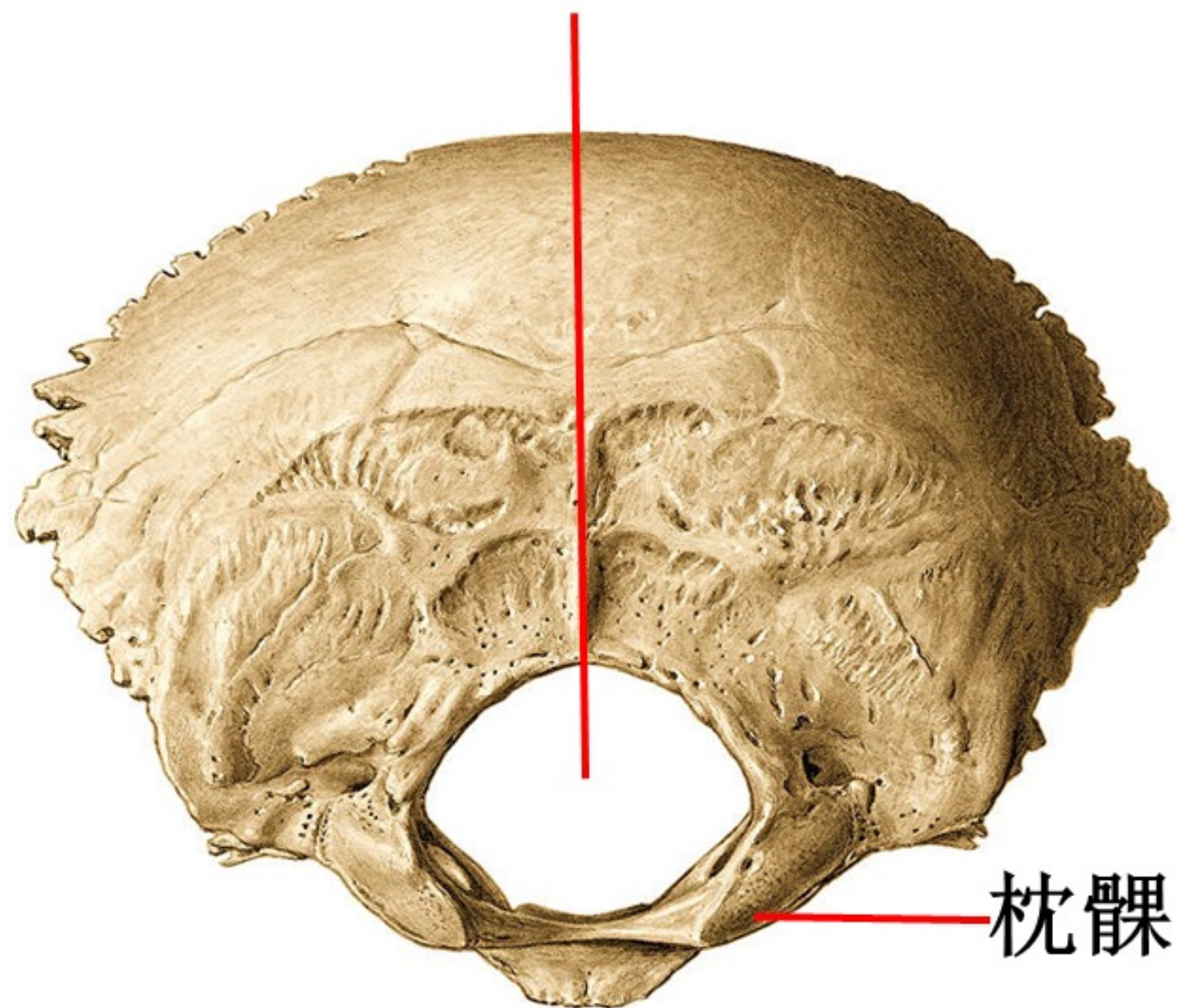
颞骨外面观

颞骨内面观

5.枕骨



枕骨大孔



枕髁

枕骨外面观



枕骨内面观

6. 顶骨



顶骨外面观



顶骨内面观

下列脑颅骨中成对的有：

A 额骨

B 蝶骨

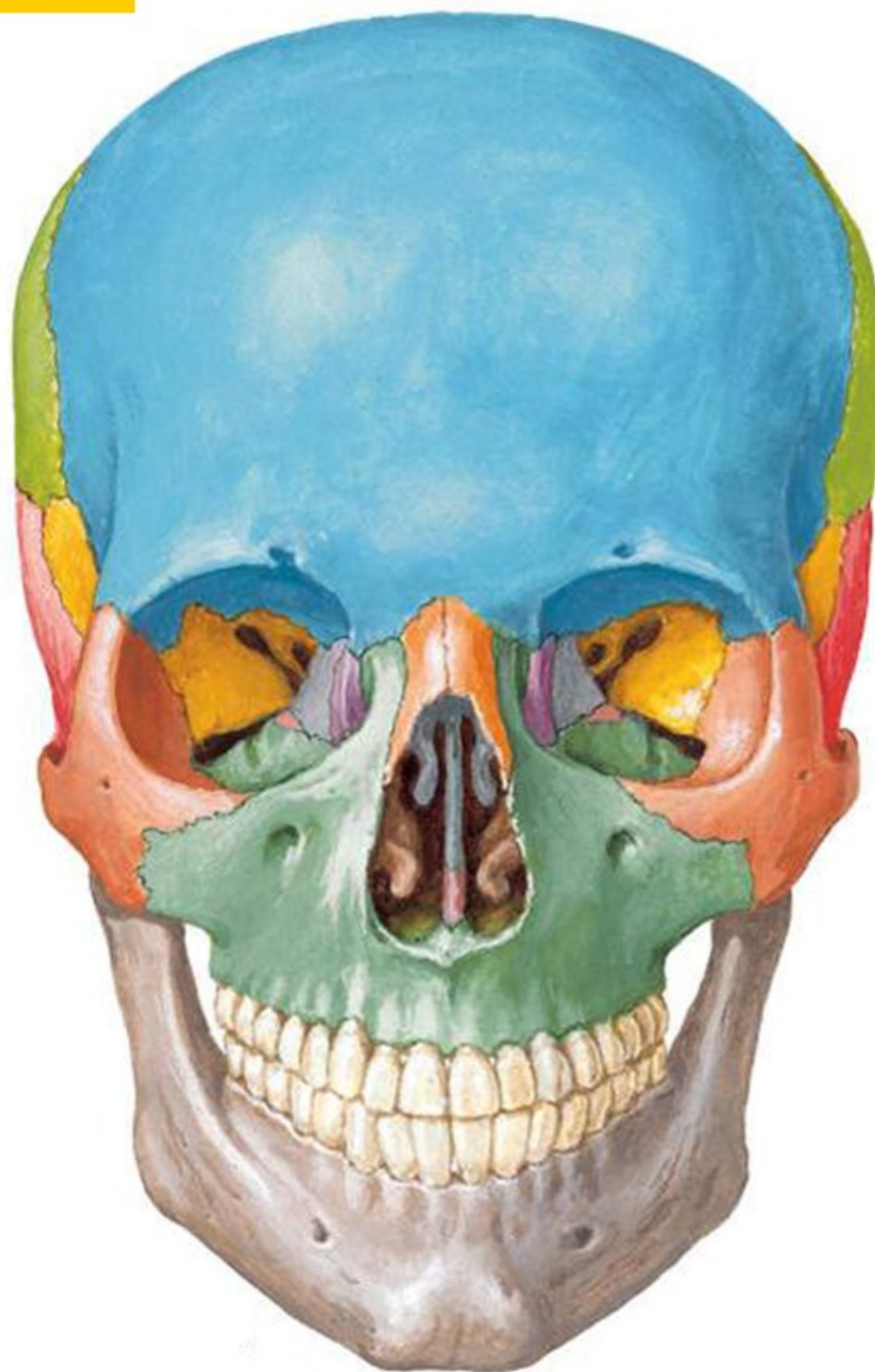
C 颞骨

D 筛骨

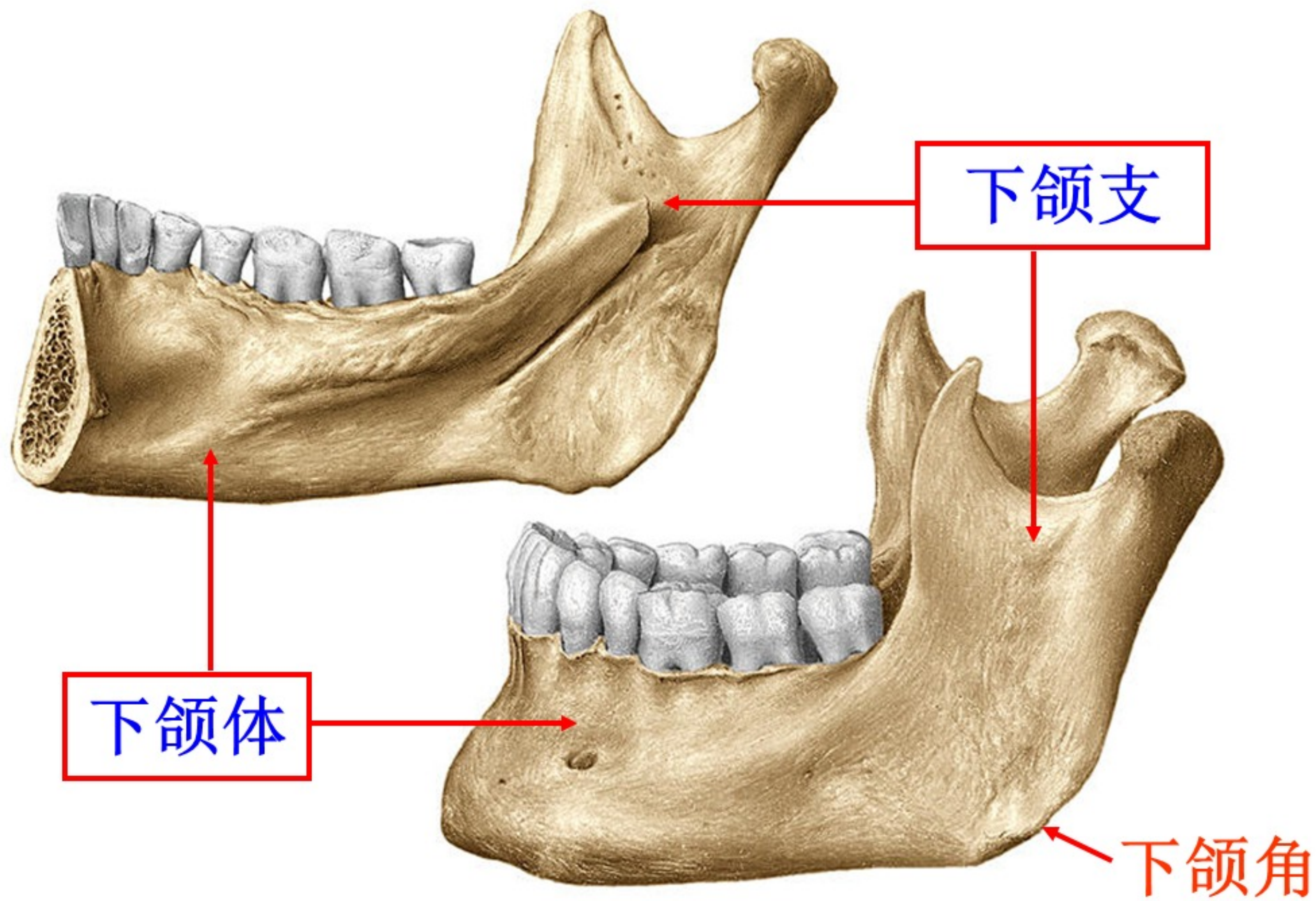
面颅骨

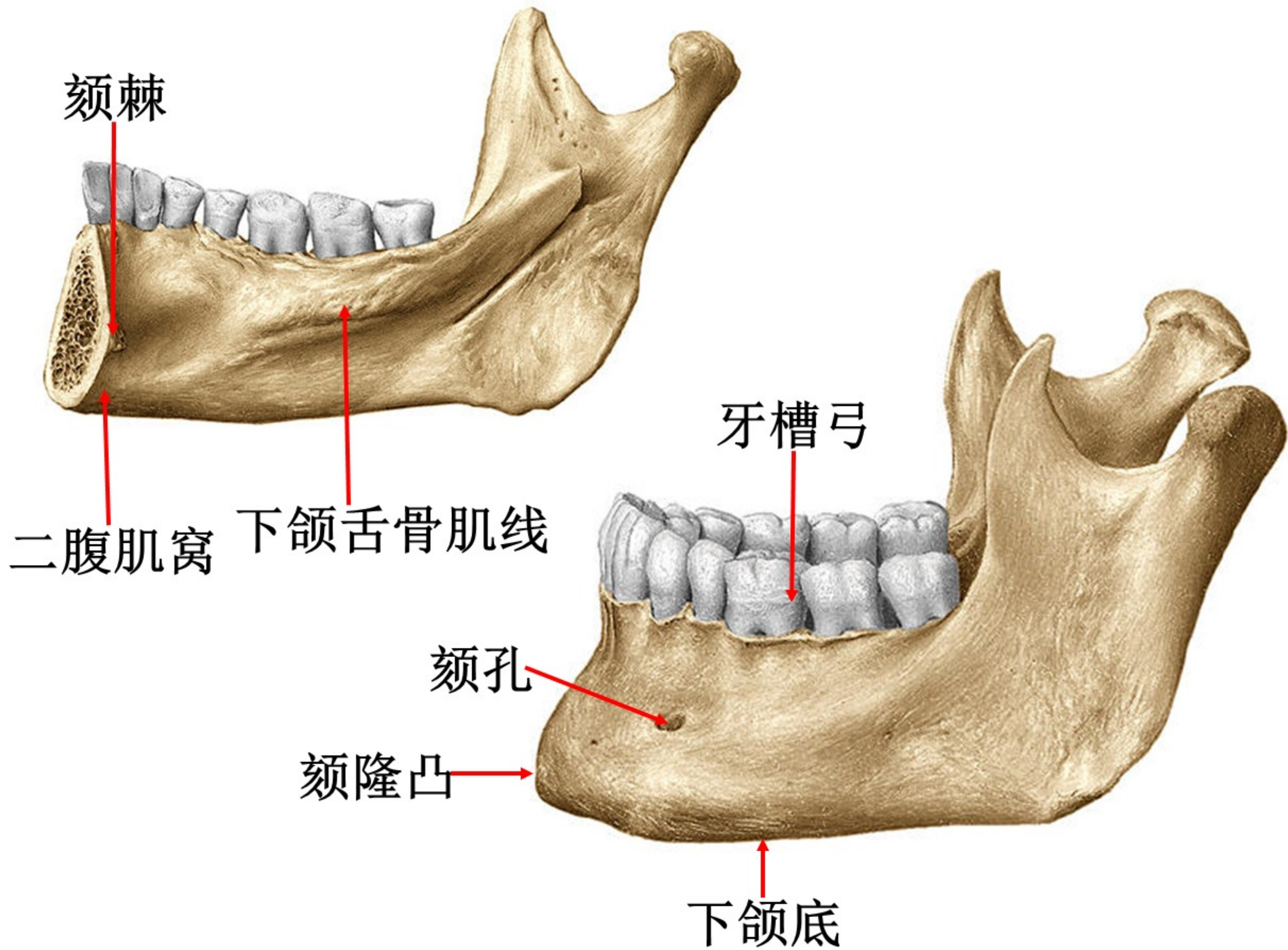
共15块

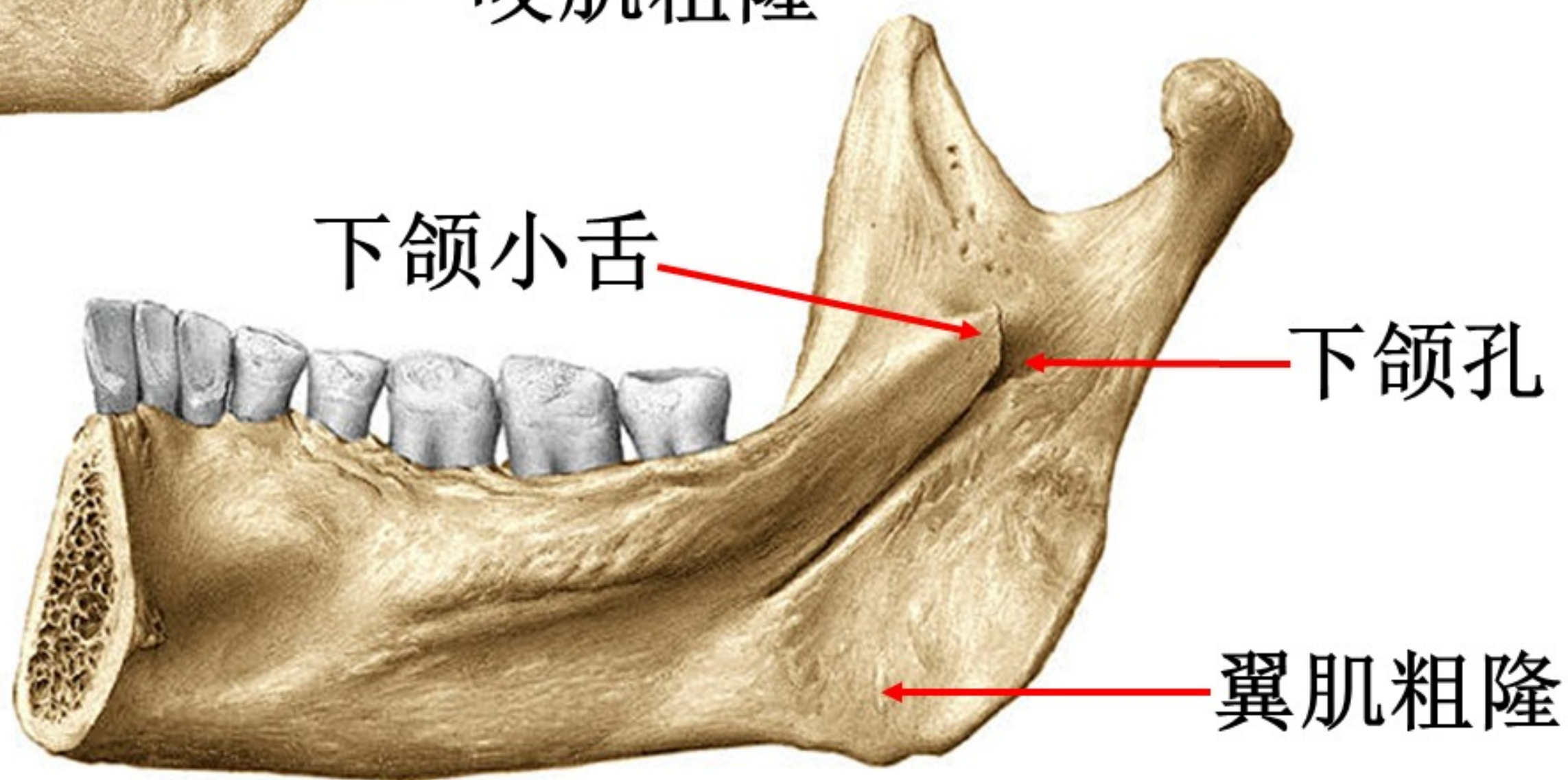
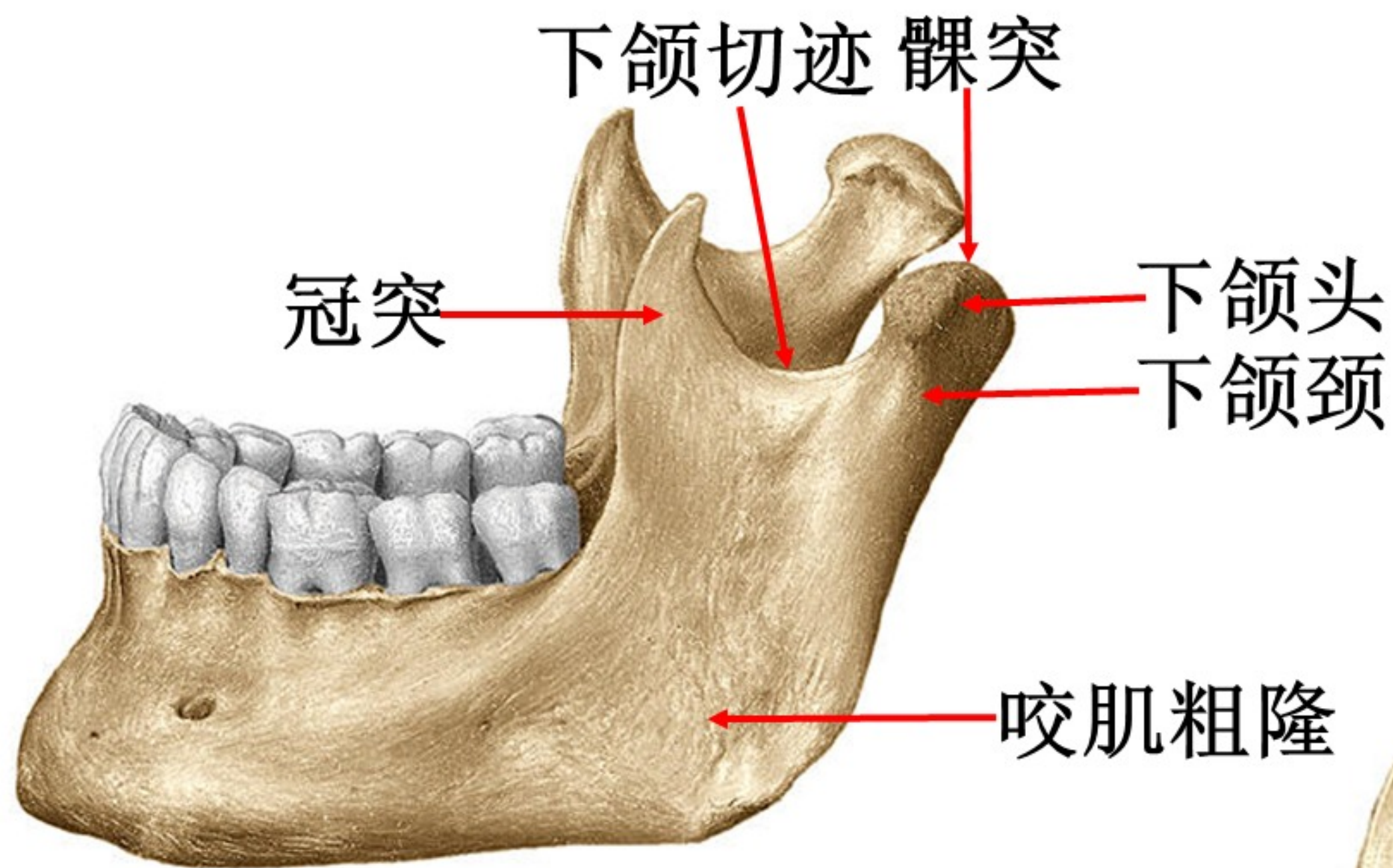
- 成对：上颌骨、腭骨、
颧骨、鼻骨、
泪骨、下鼻甲
- 不成对：犁骨、下颌骨、
舌骨



1. 下颌骨



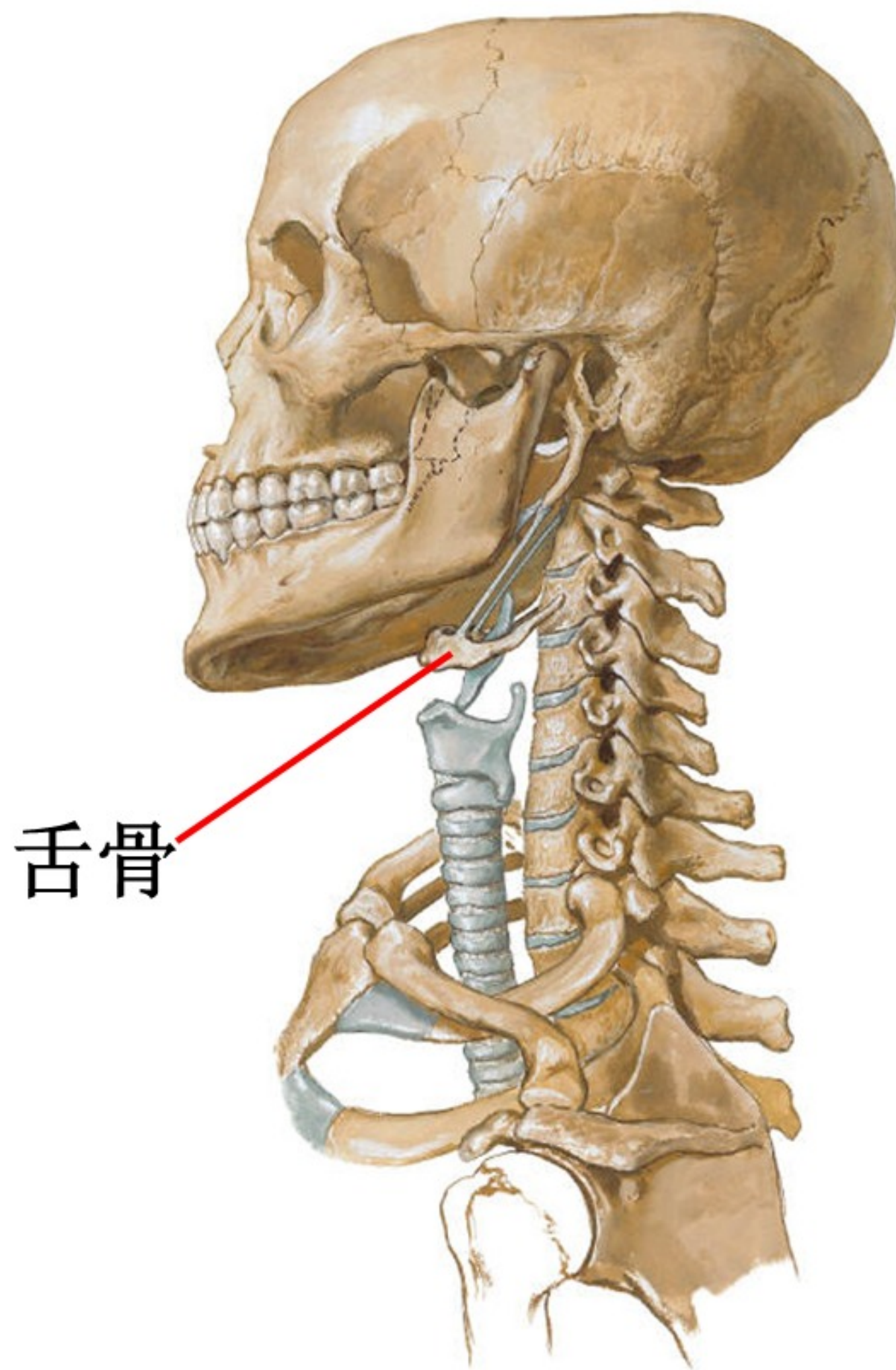




2. 舌骨



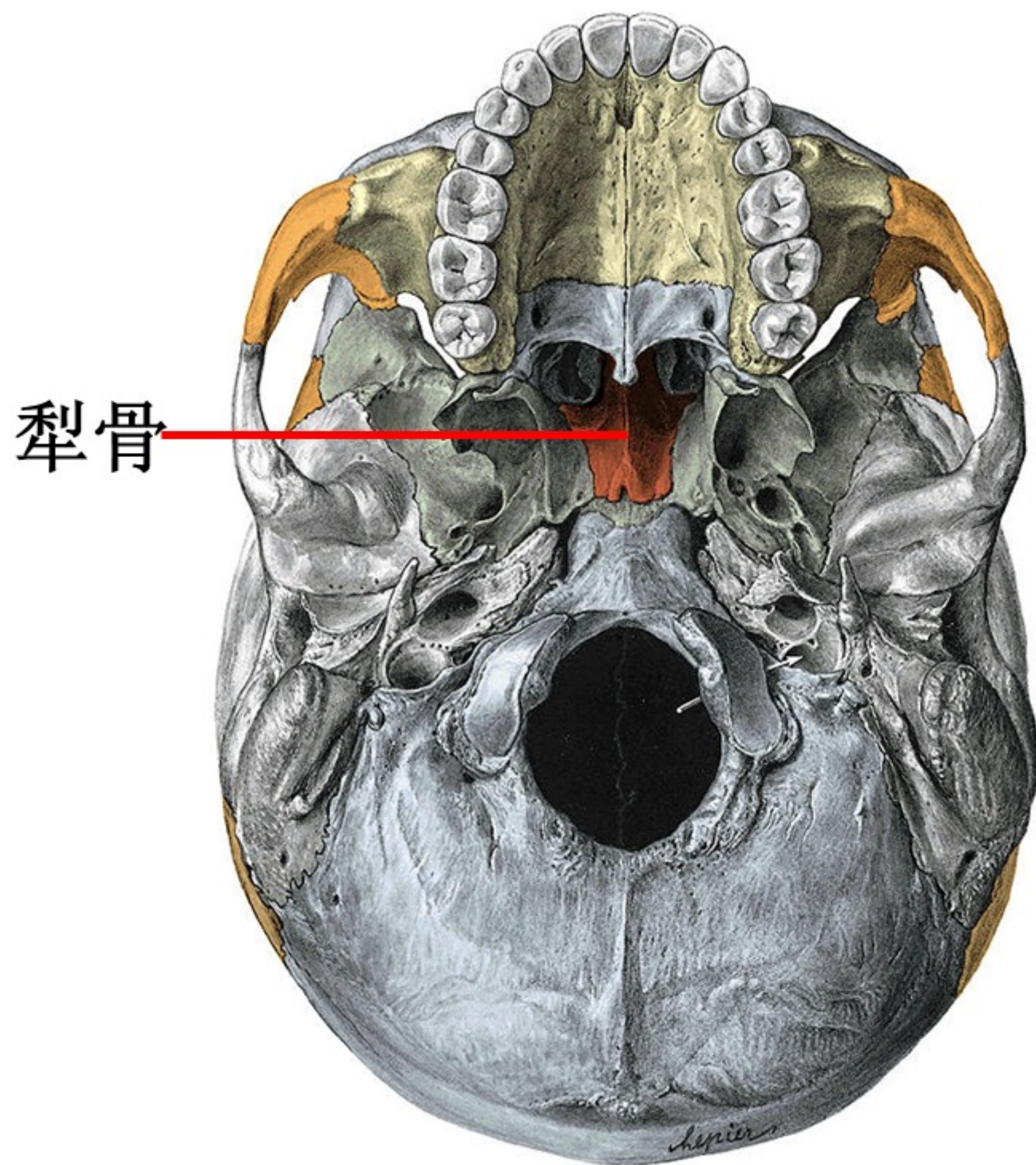
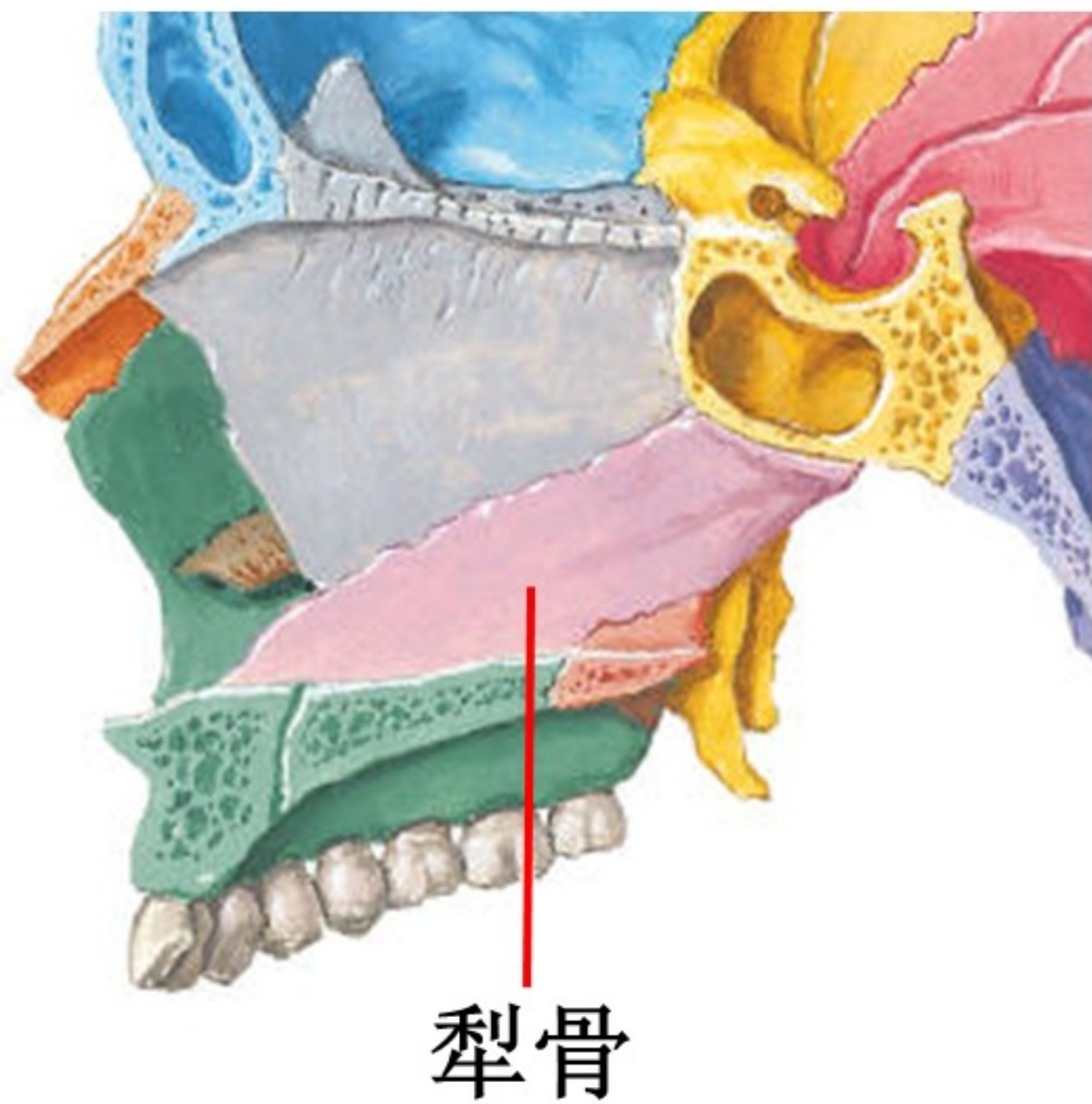
舌骨上面观



舌骨

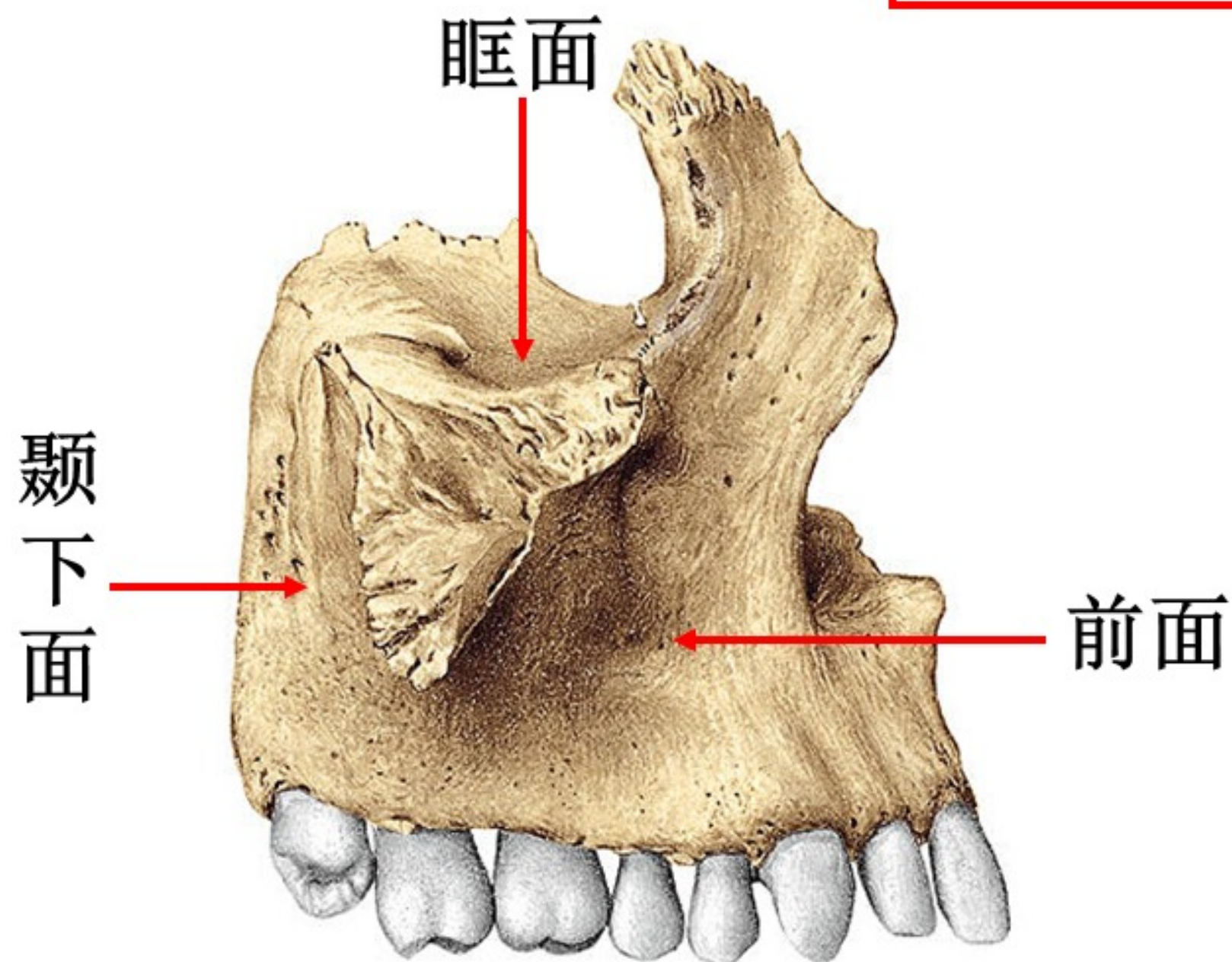
舌骨的位置

3. 犁骨

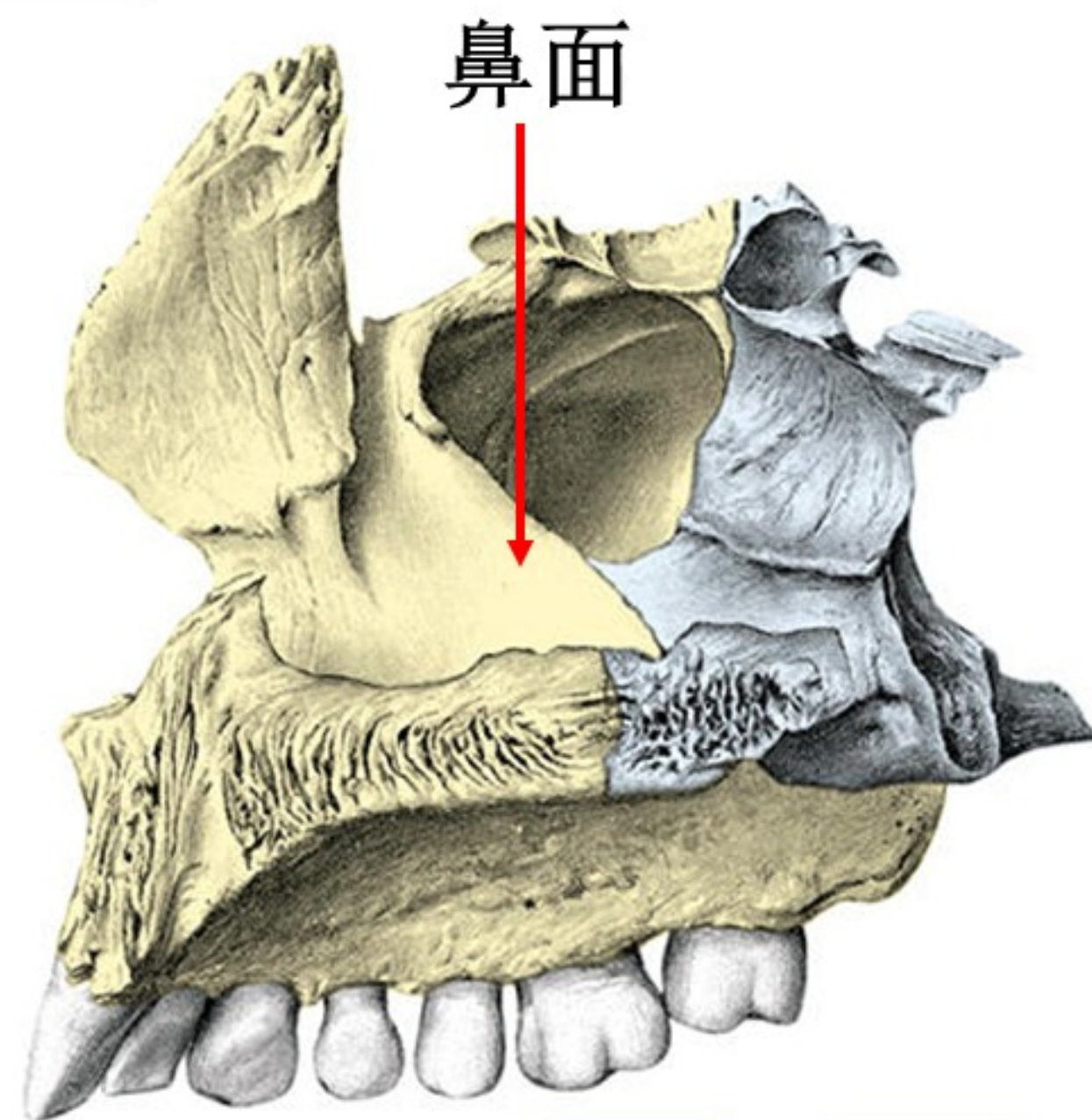


4. 上颌骨

1体：上颌体



上颌骨外面观



上颌骨、腭骨内面观

4突

颧突

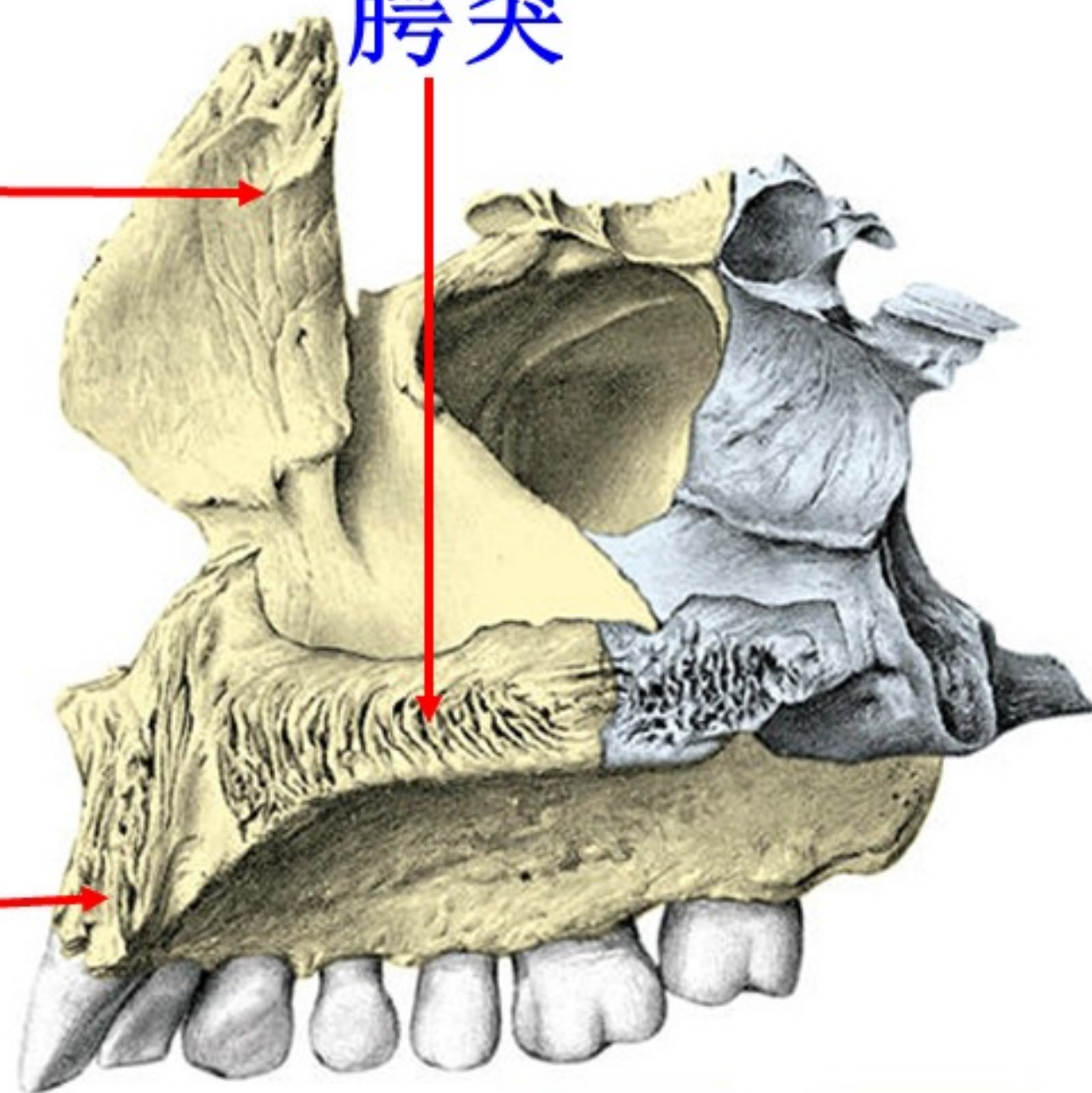
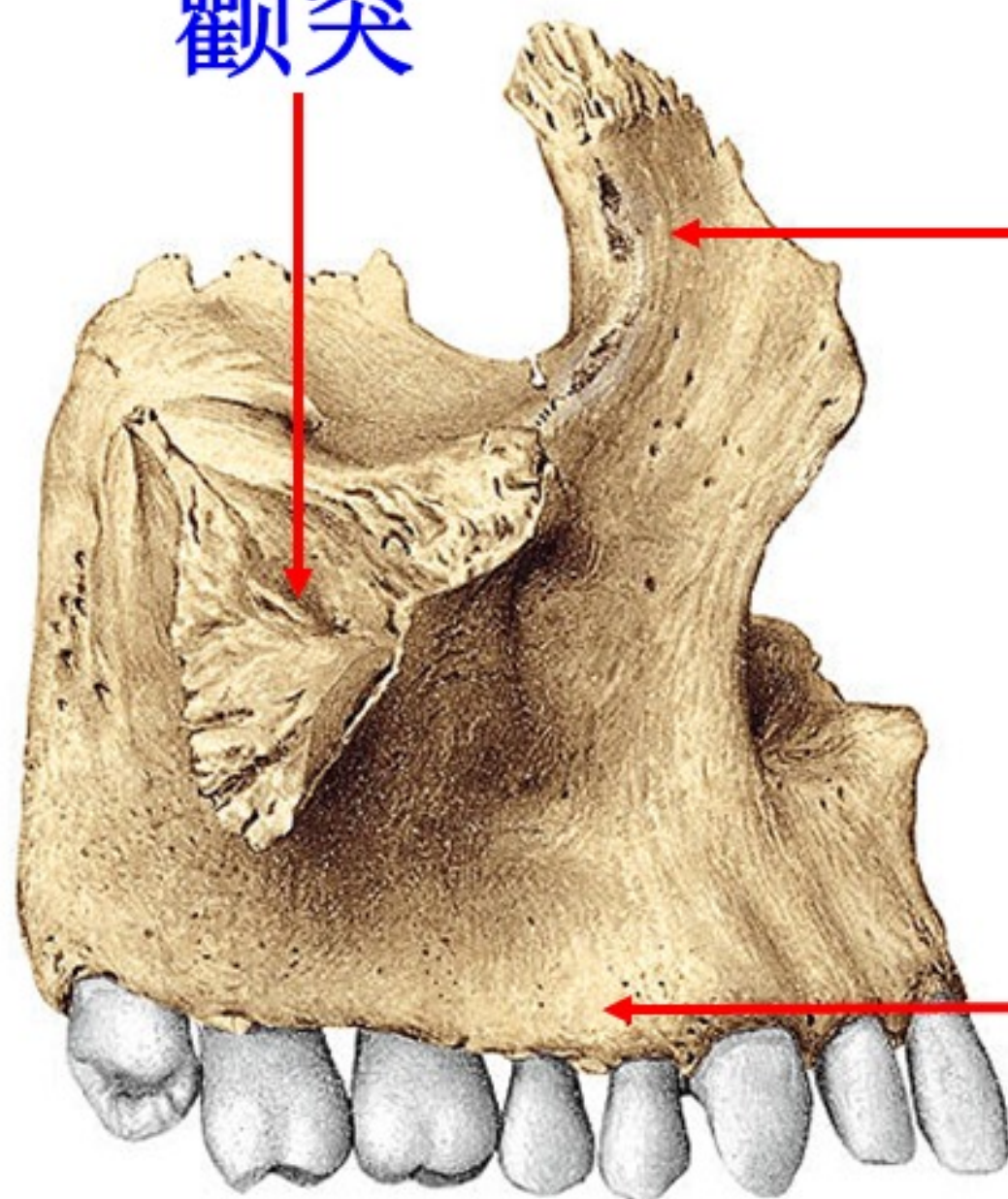
额突

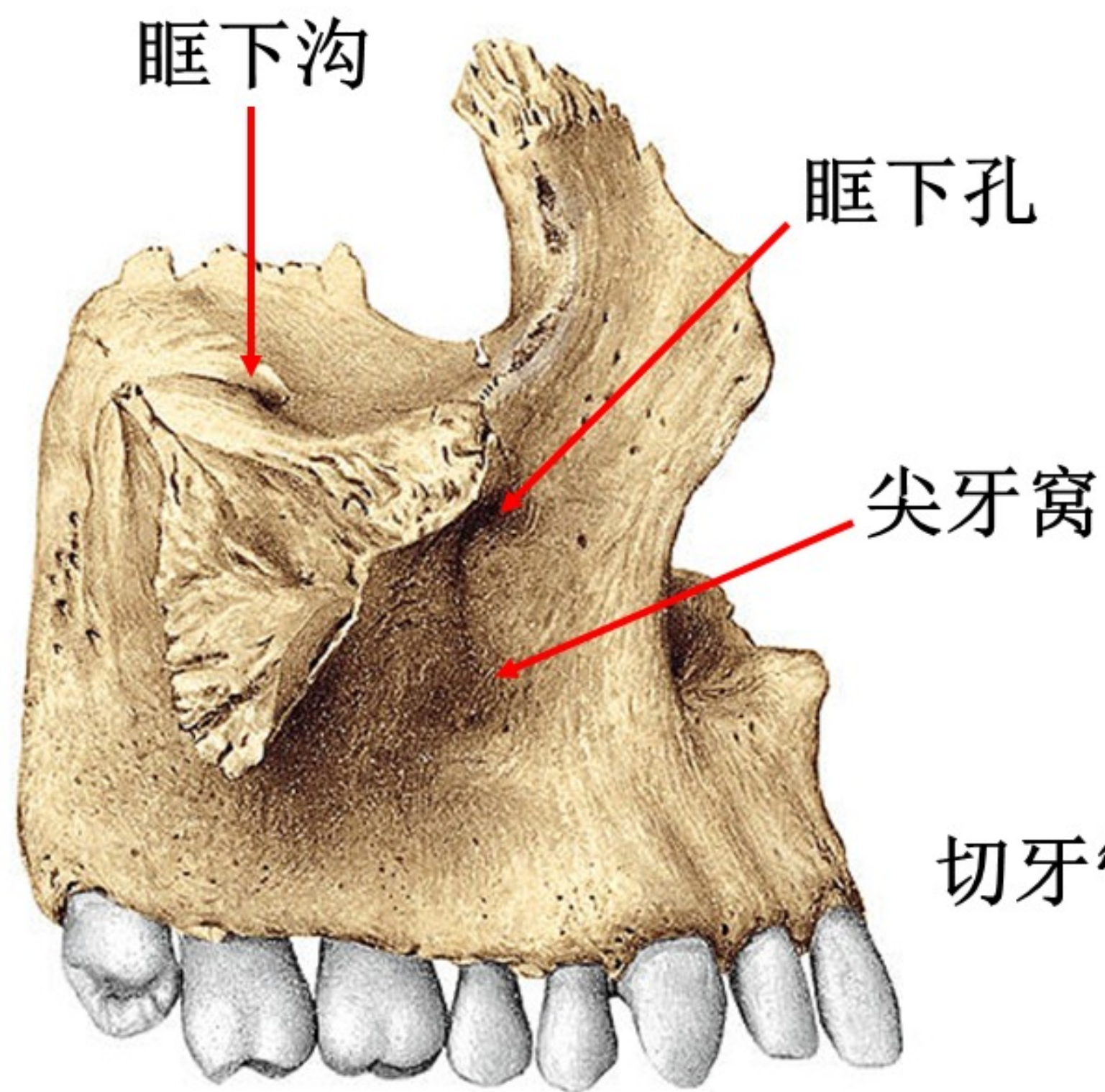
腭突

牙槽突

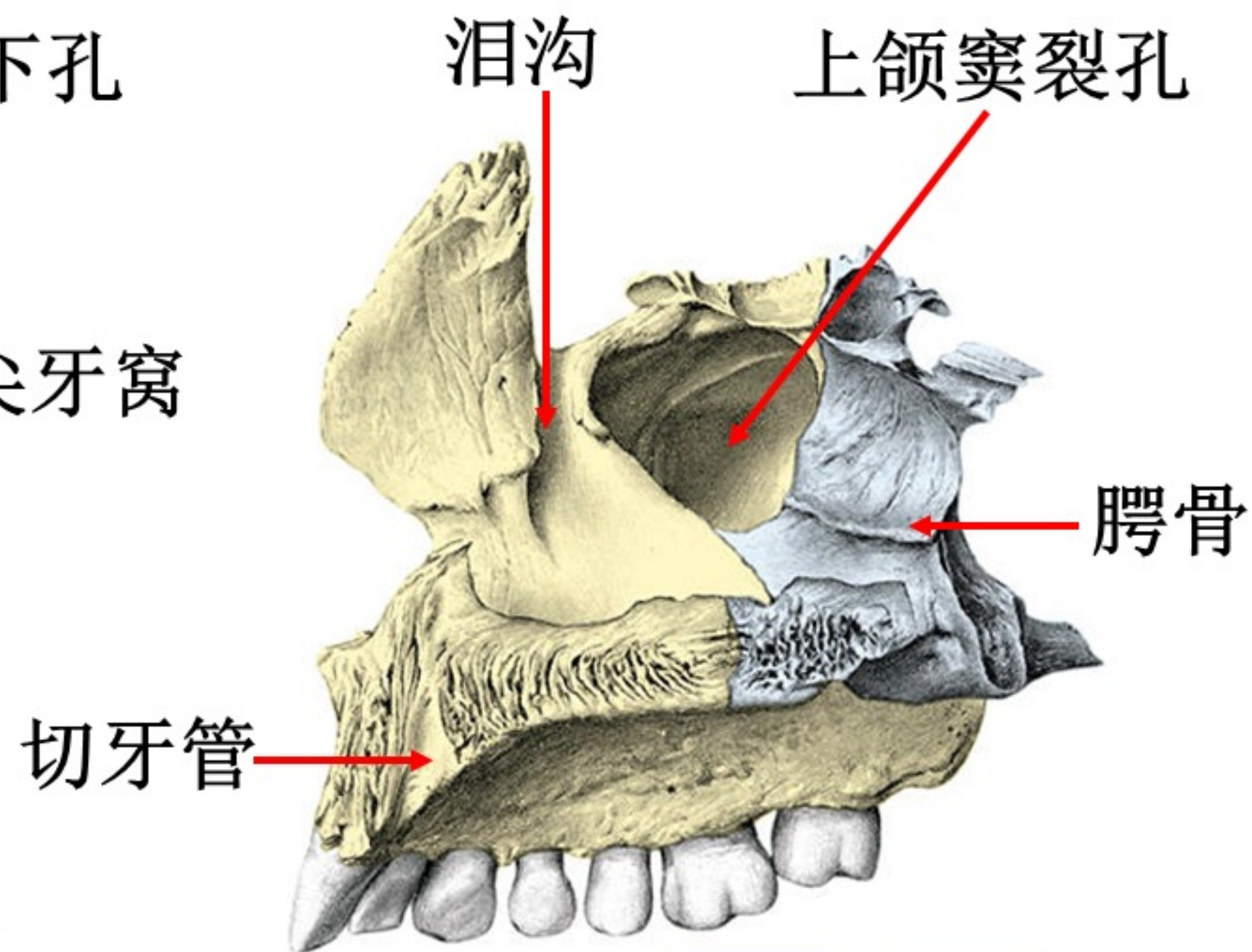
上颌骨外面观

上颌骨、腭骨内面观

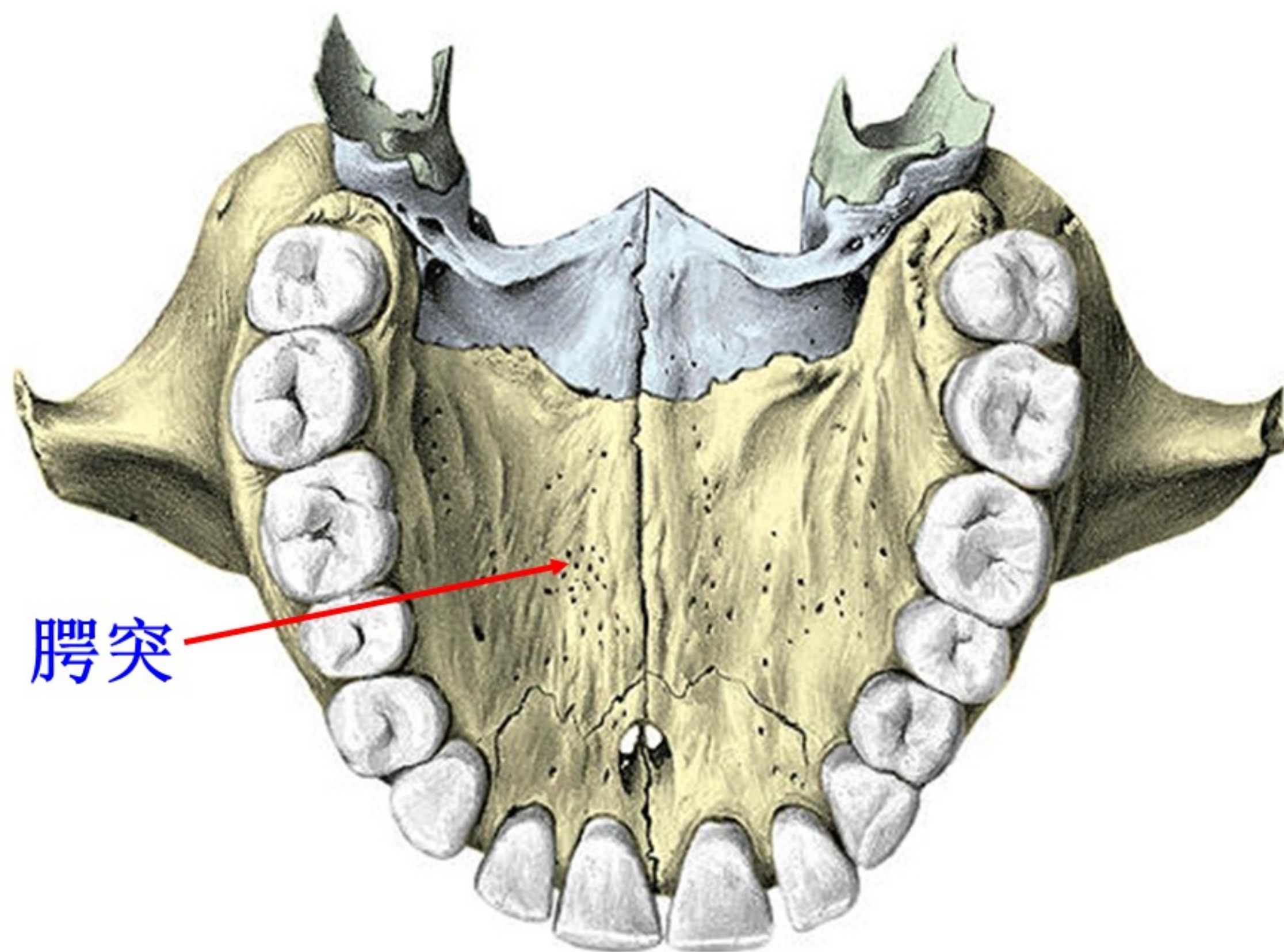




上颌骨外面观

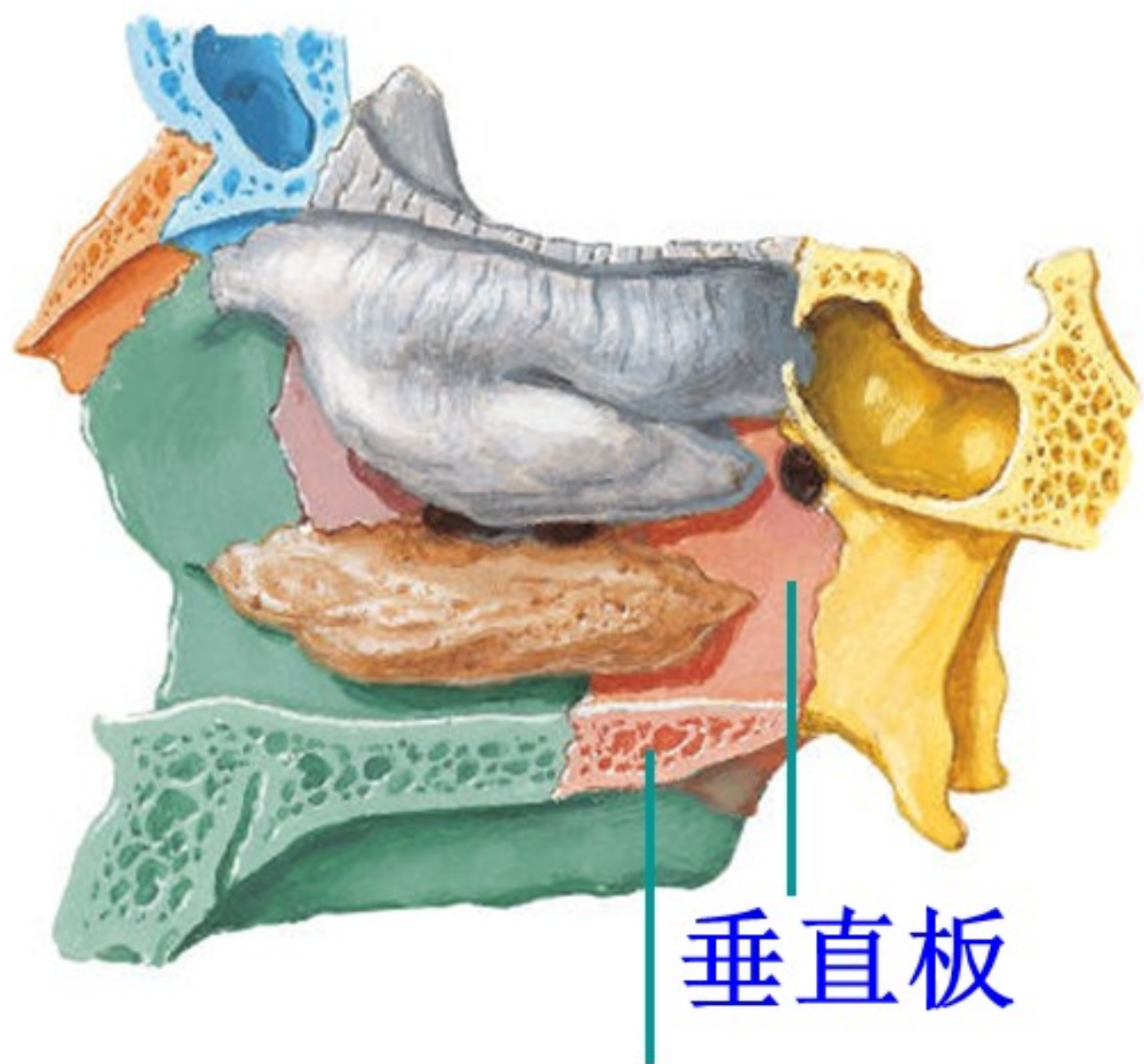


上颌骨、腭骨内面观

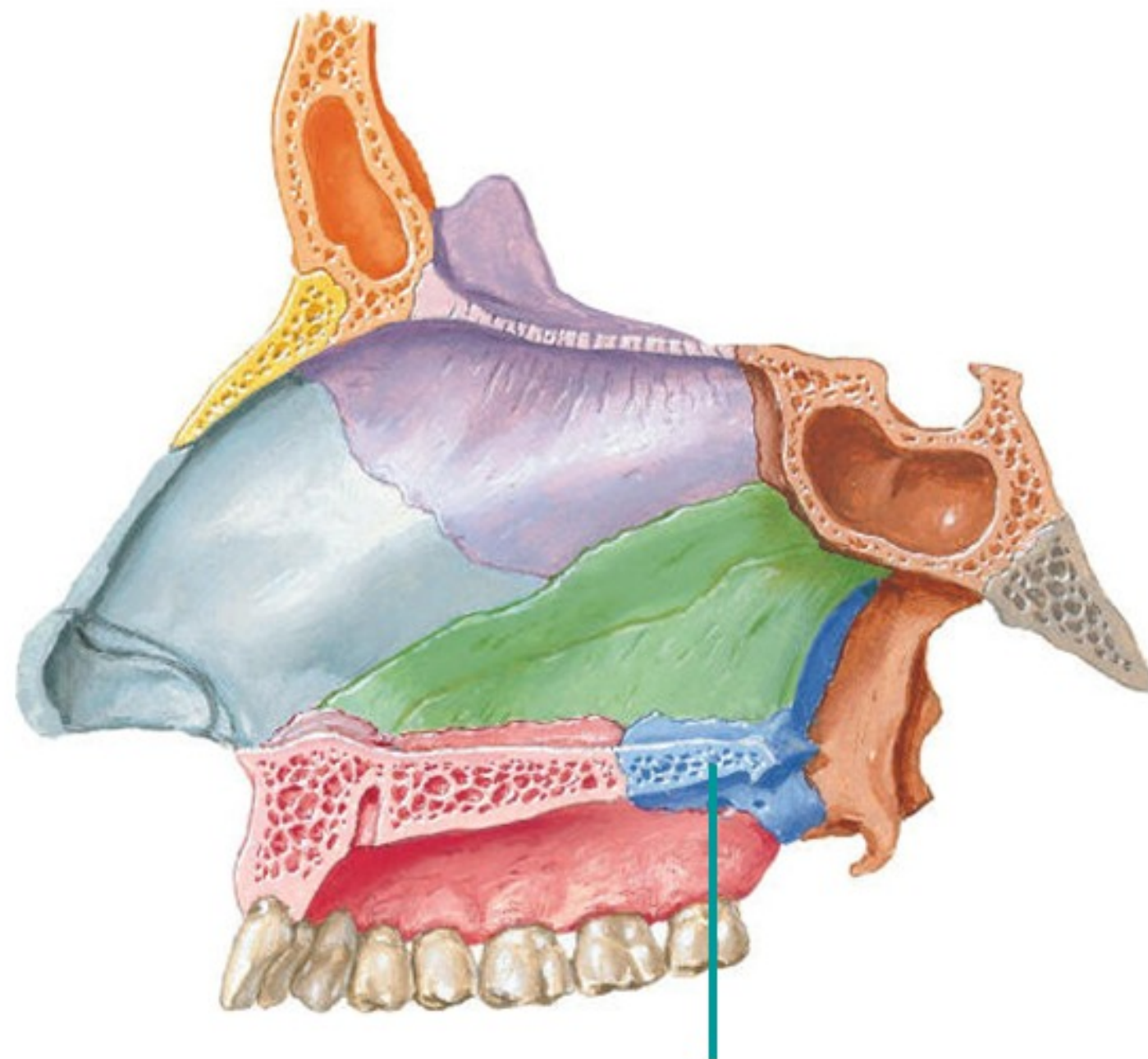


腭突

5. 腭骨



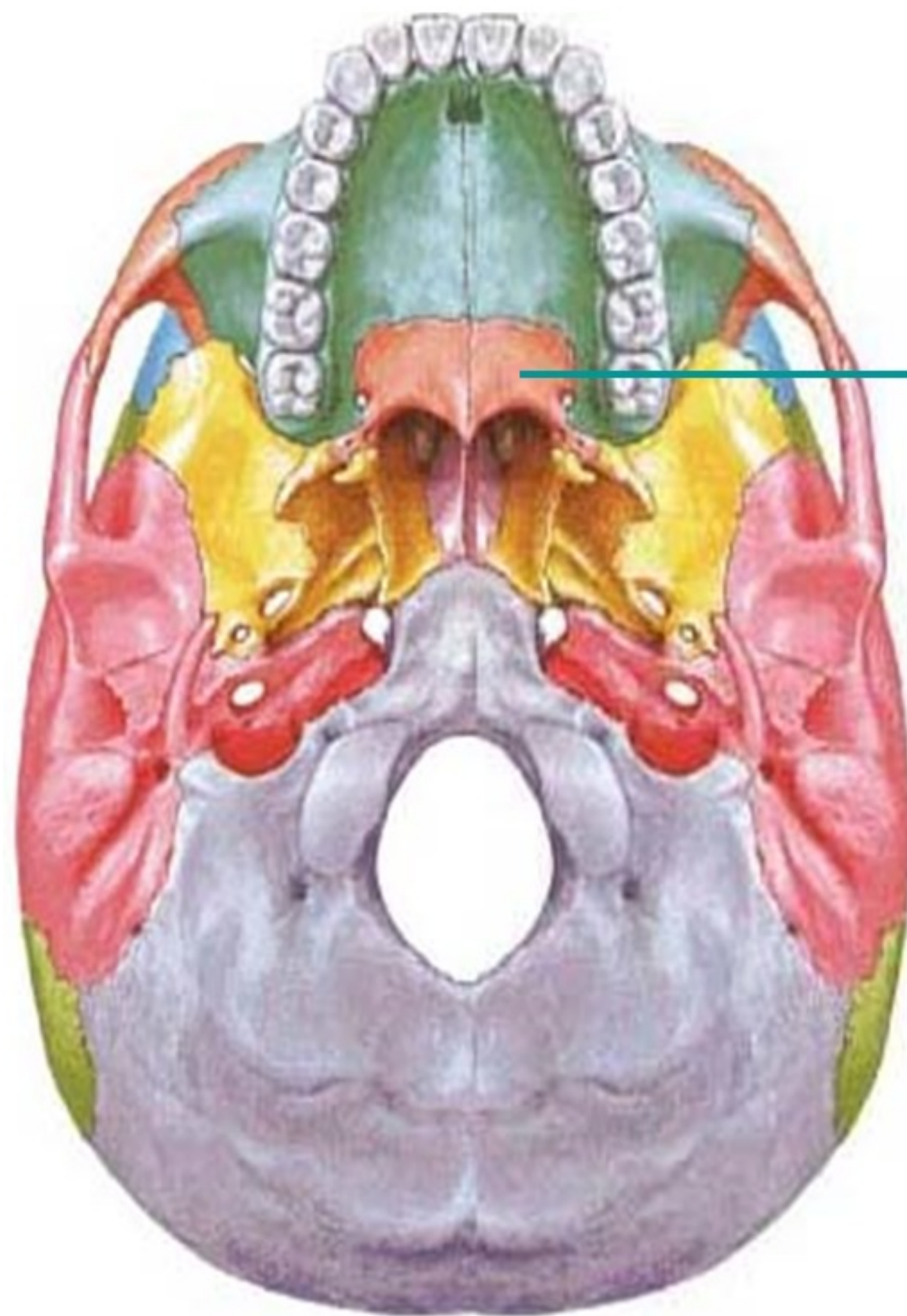
垂直板
水平板



水平板



腭骨后面观



水平板

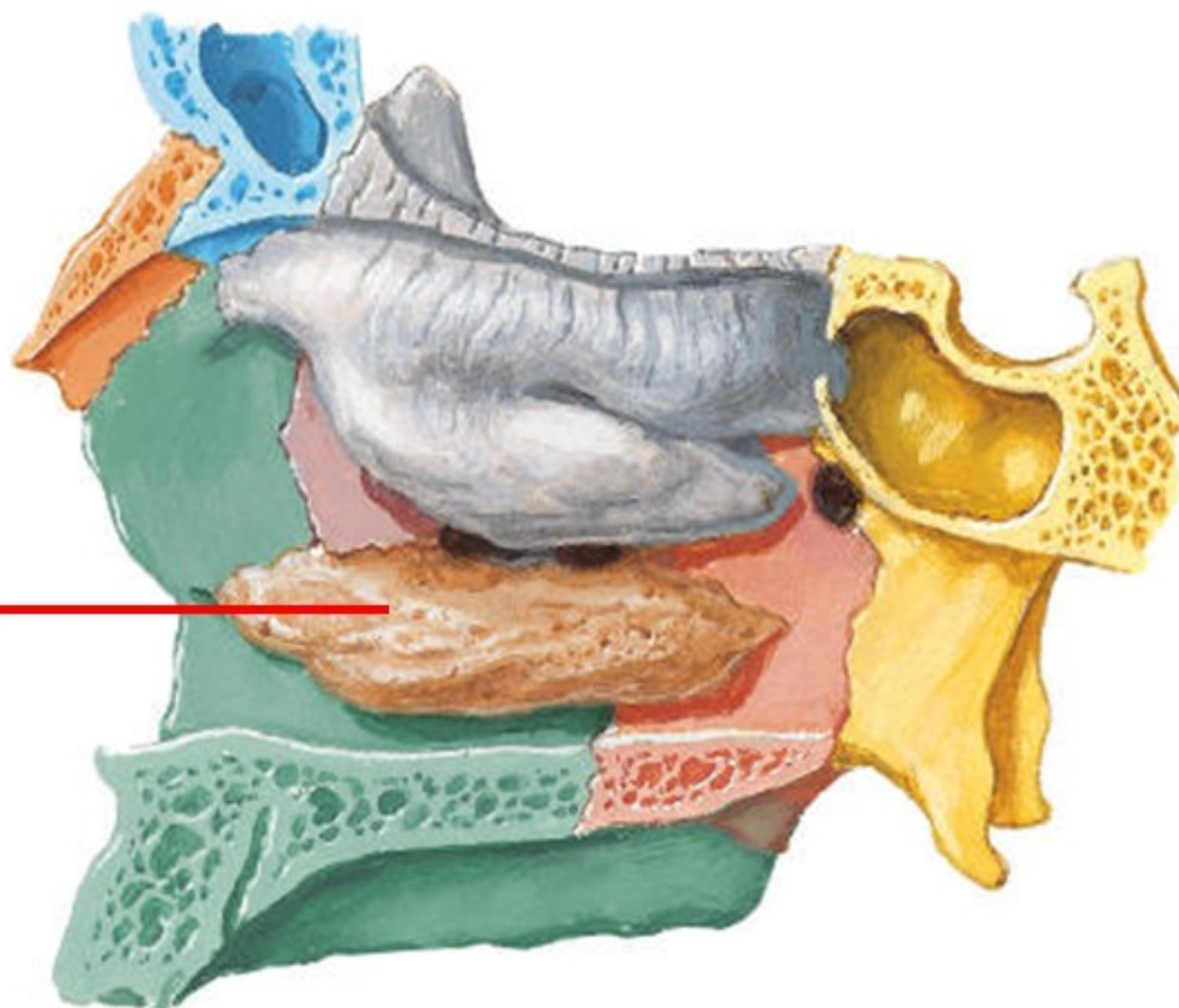
6. 鼻骨

7. 泪骨

8. 下鼻甲



鼻骨
泪骨



下鼻甲

9. 颧骨



面颅骨中不成对的有：

A 上颌骨

B 下颌骨

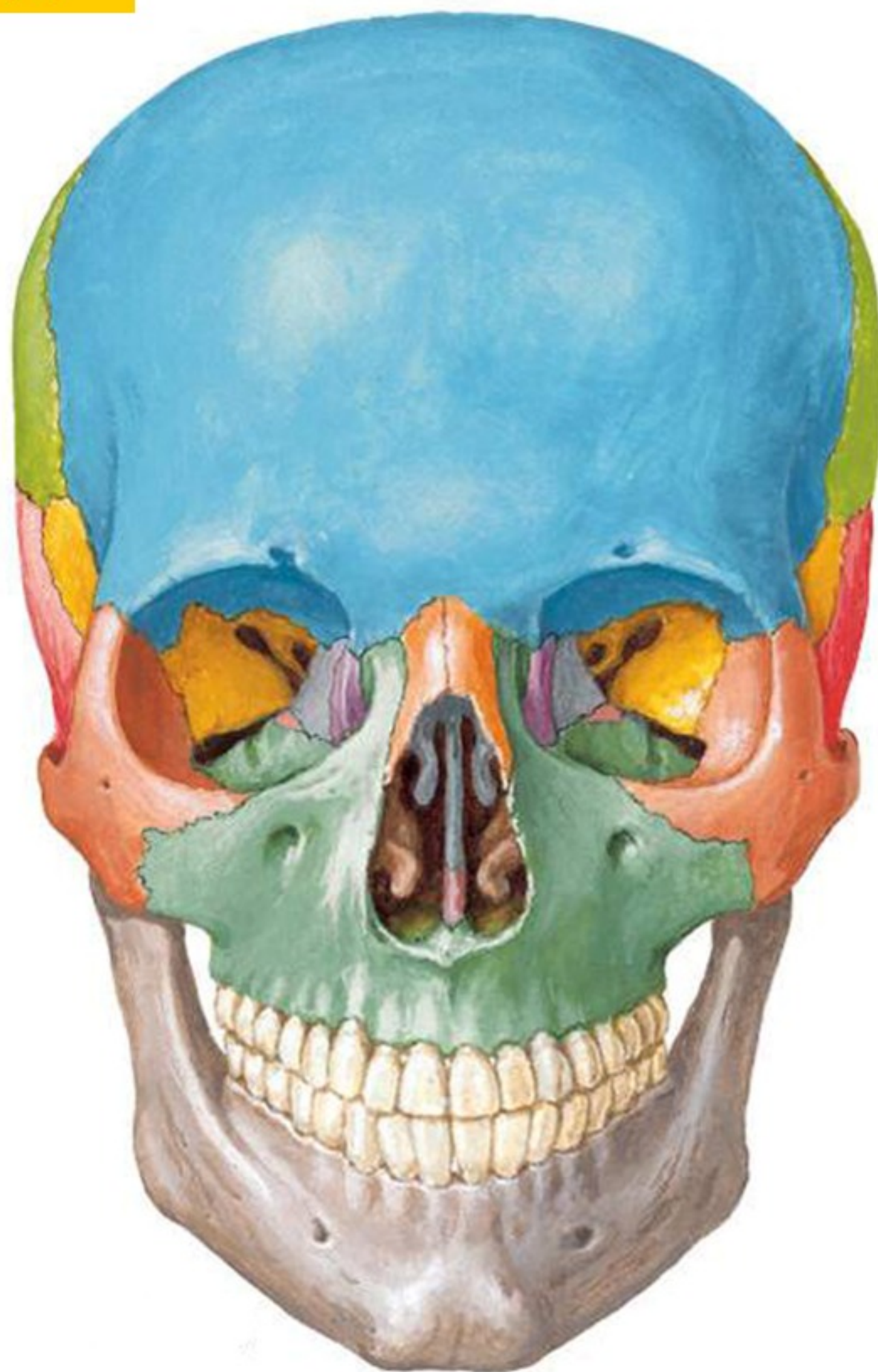
C 腭骨

D 犁骨

面颅骨

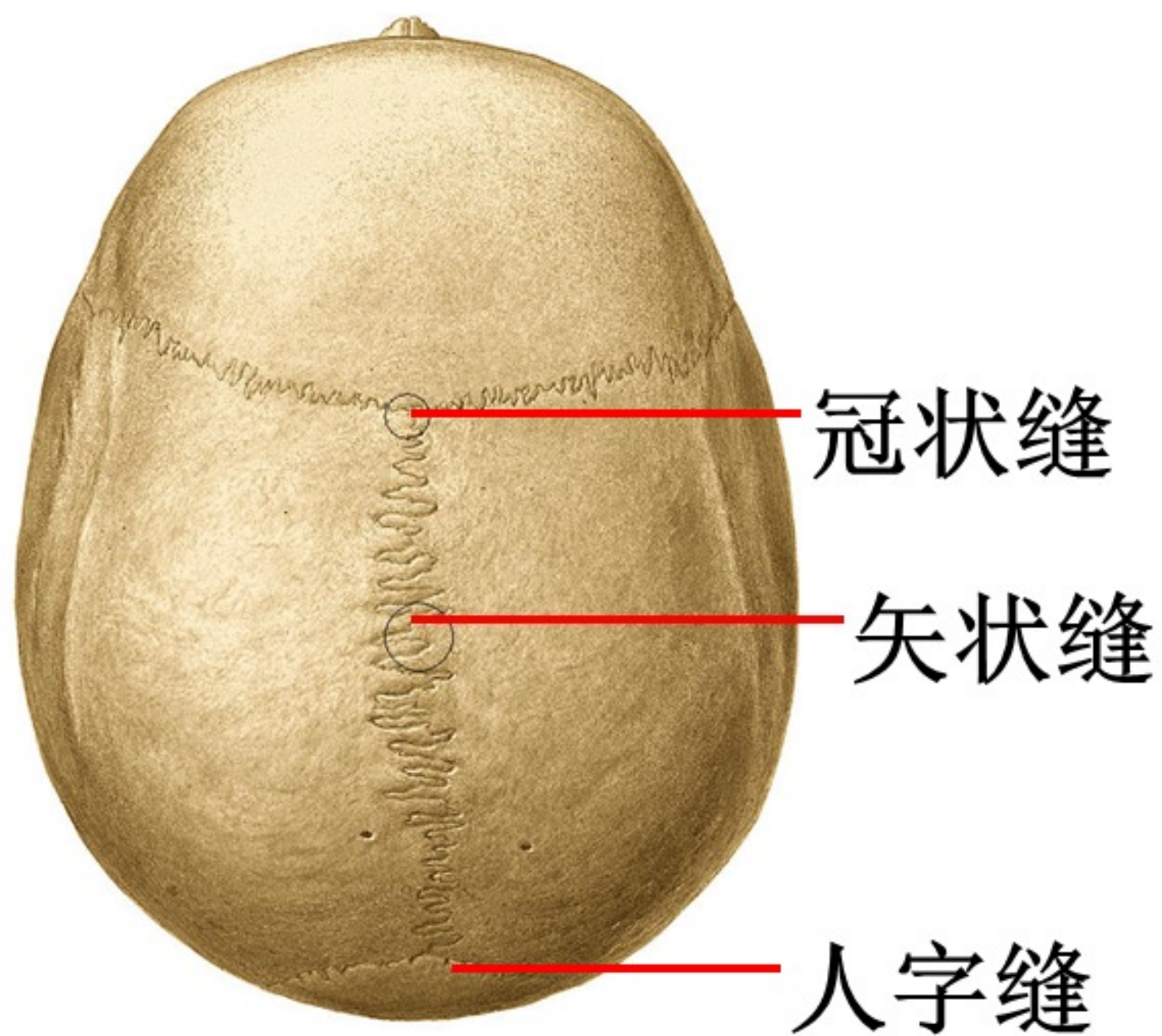
共15块

- 成对：上颌骨、腭骨、
颧骨、鼻骨、
泪骨、下鼻甲
- 不成对：犁骨、下颌骨、
舌骨

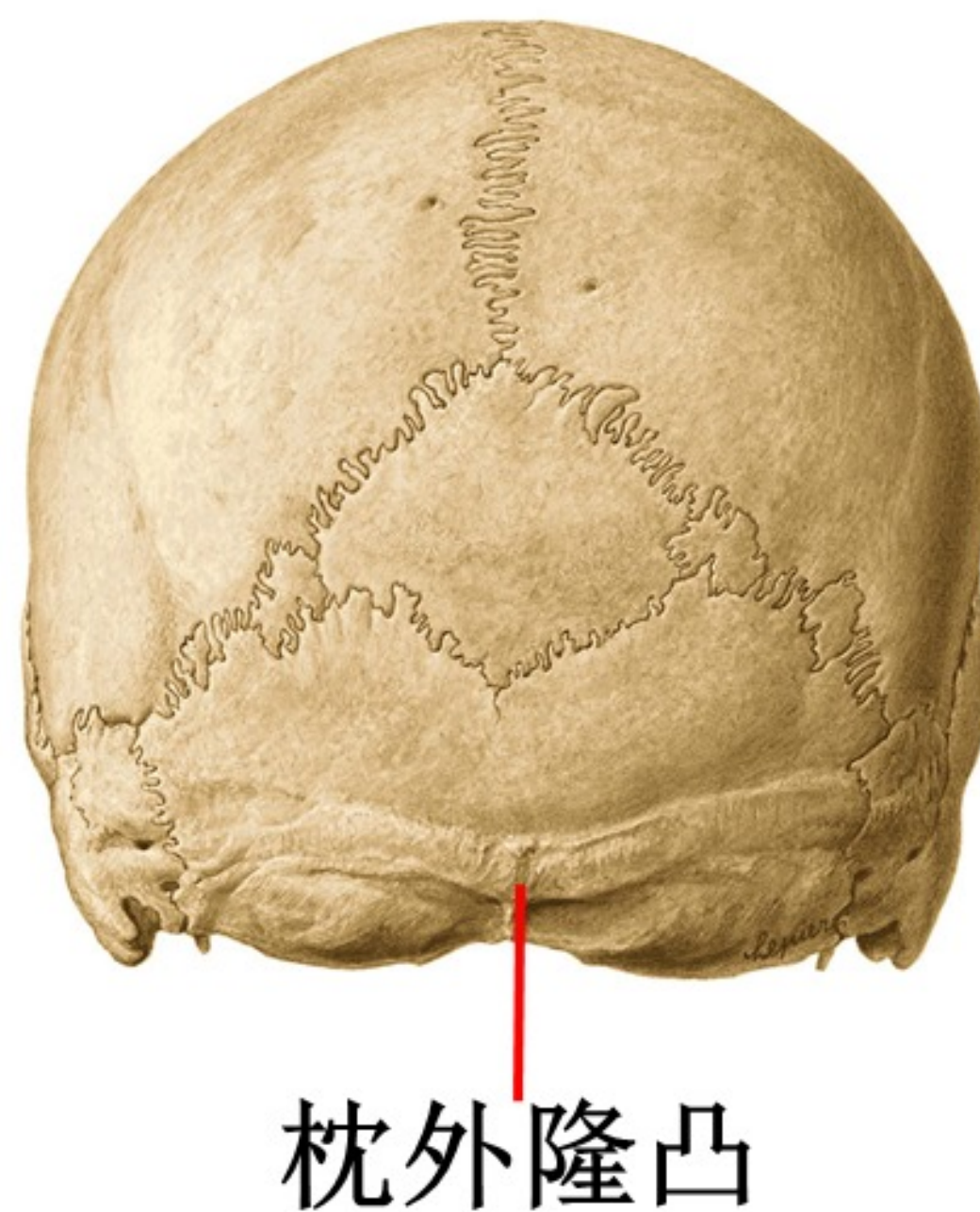


(三) 颅的整体观

1. 颅顶面观



2. 颅后面观



3. 颅内面观

颅盖内面

上矢状窦沟

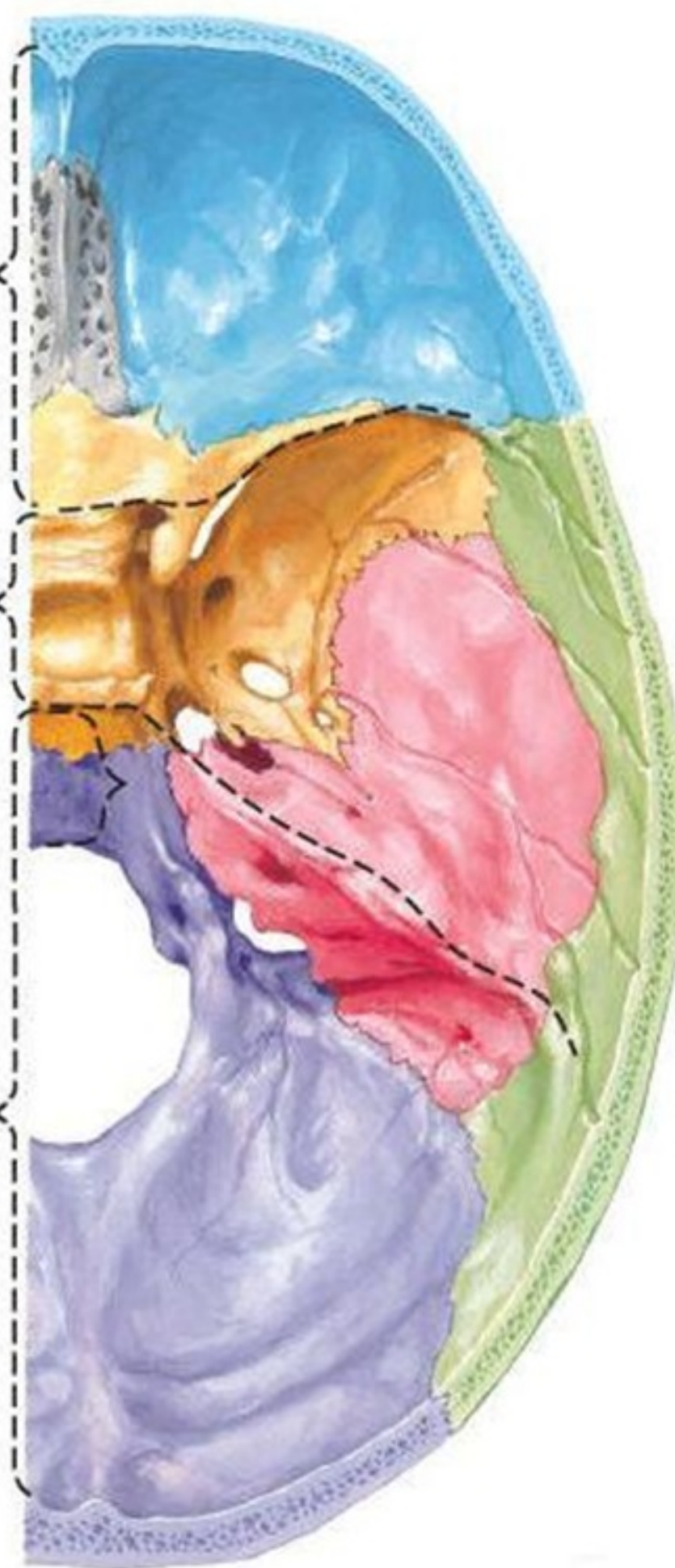


颅底内面

颅前窝

颅中窝

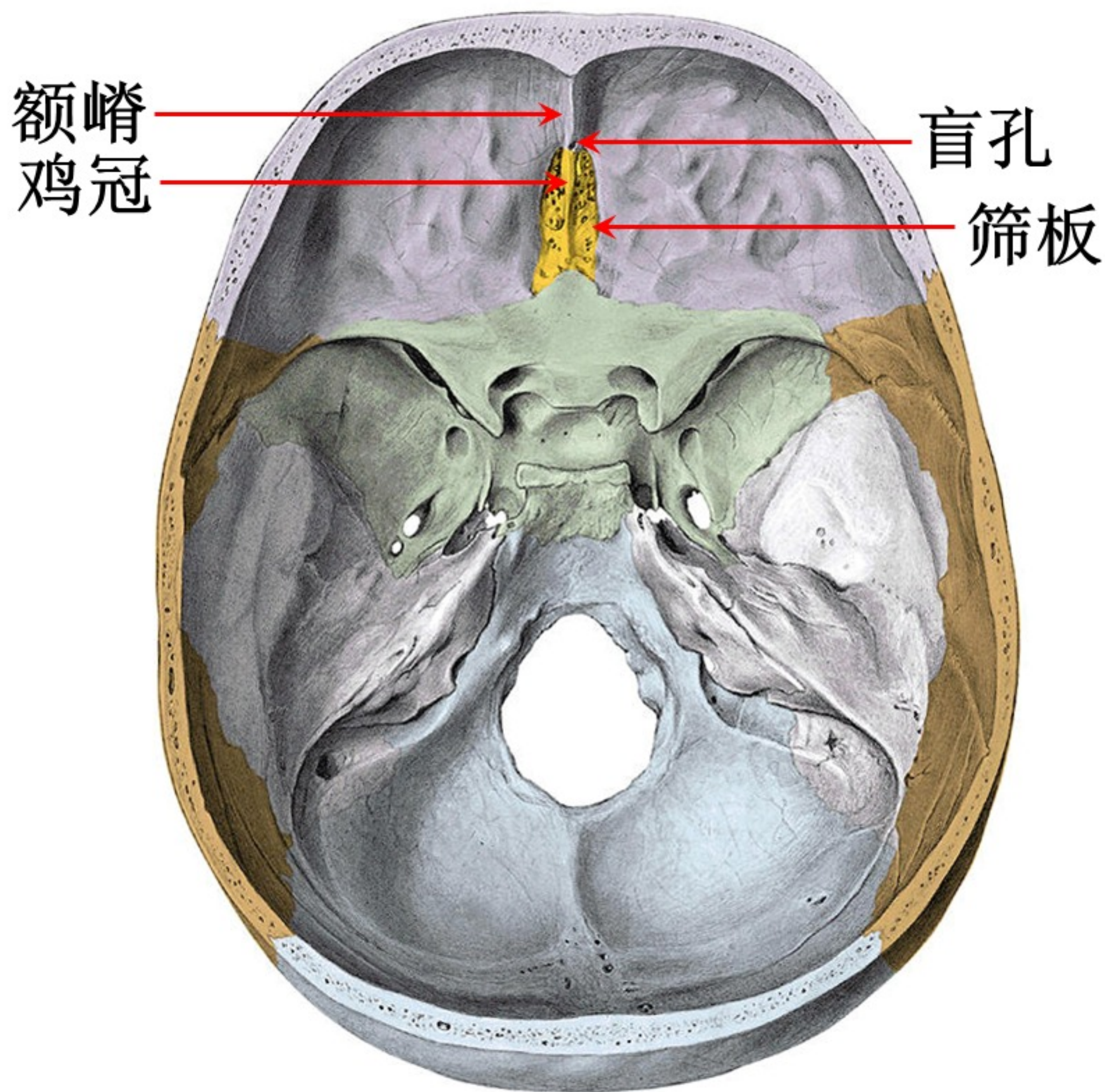
颅后窝



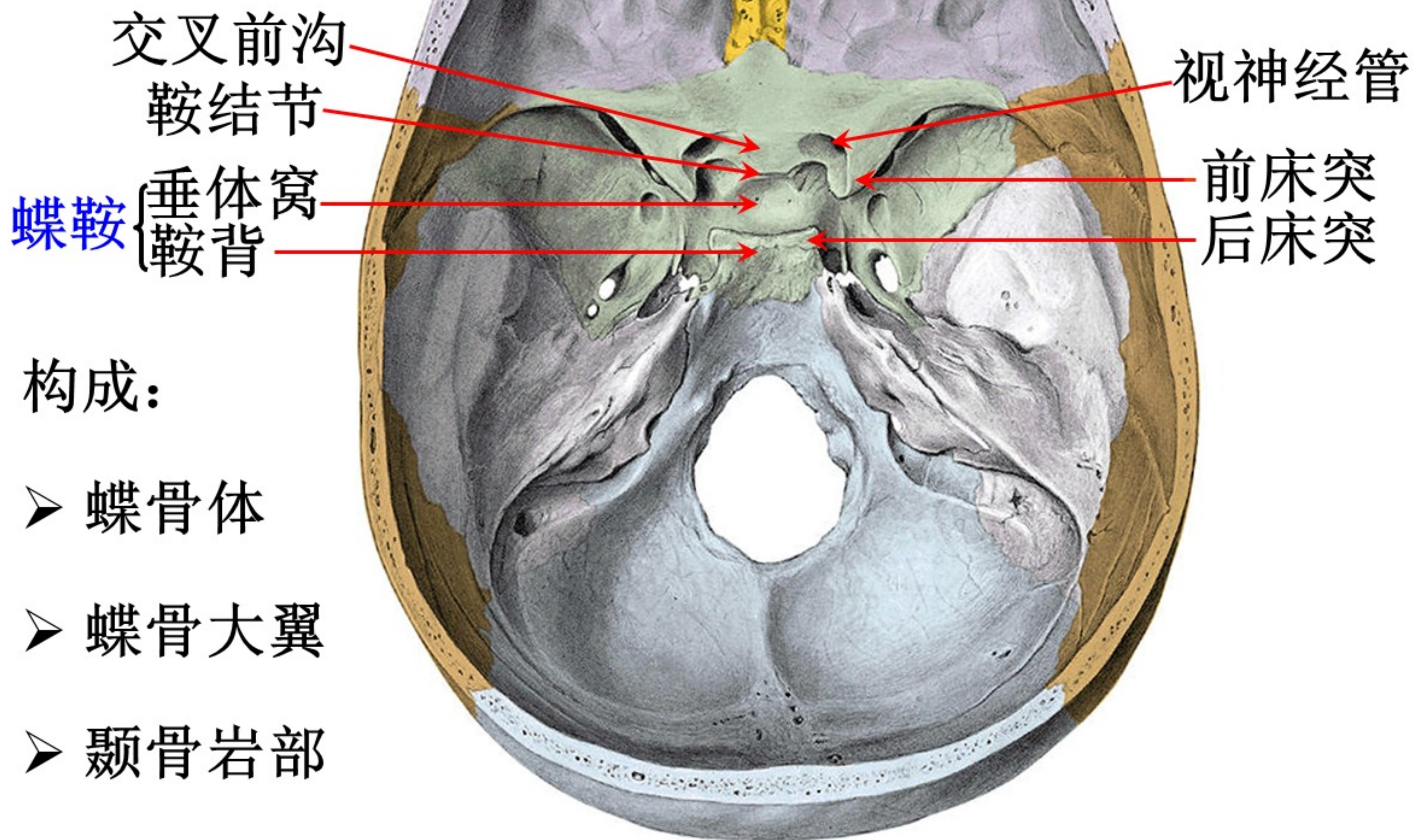
(1) 颅前窝

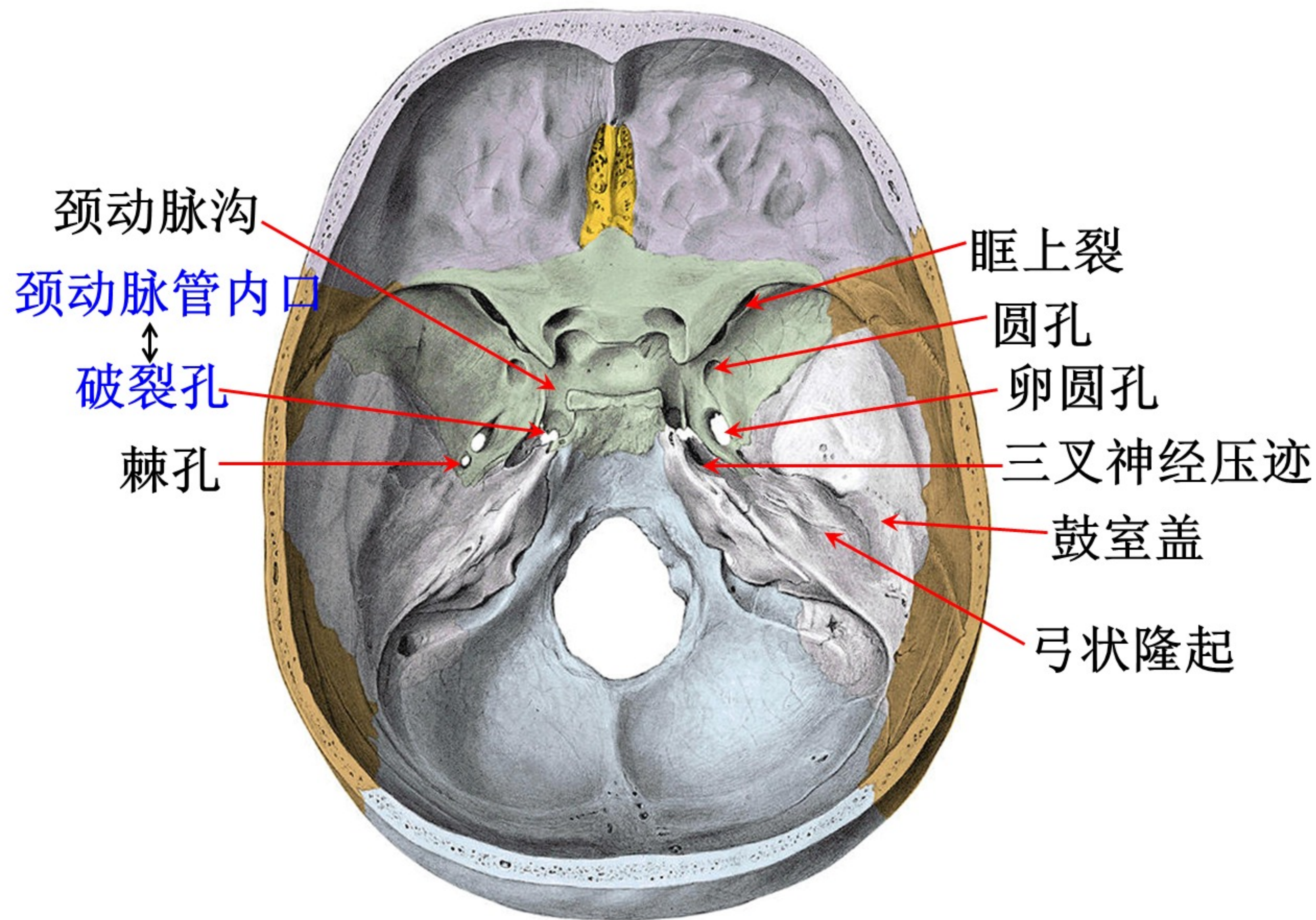
构成：

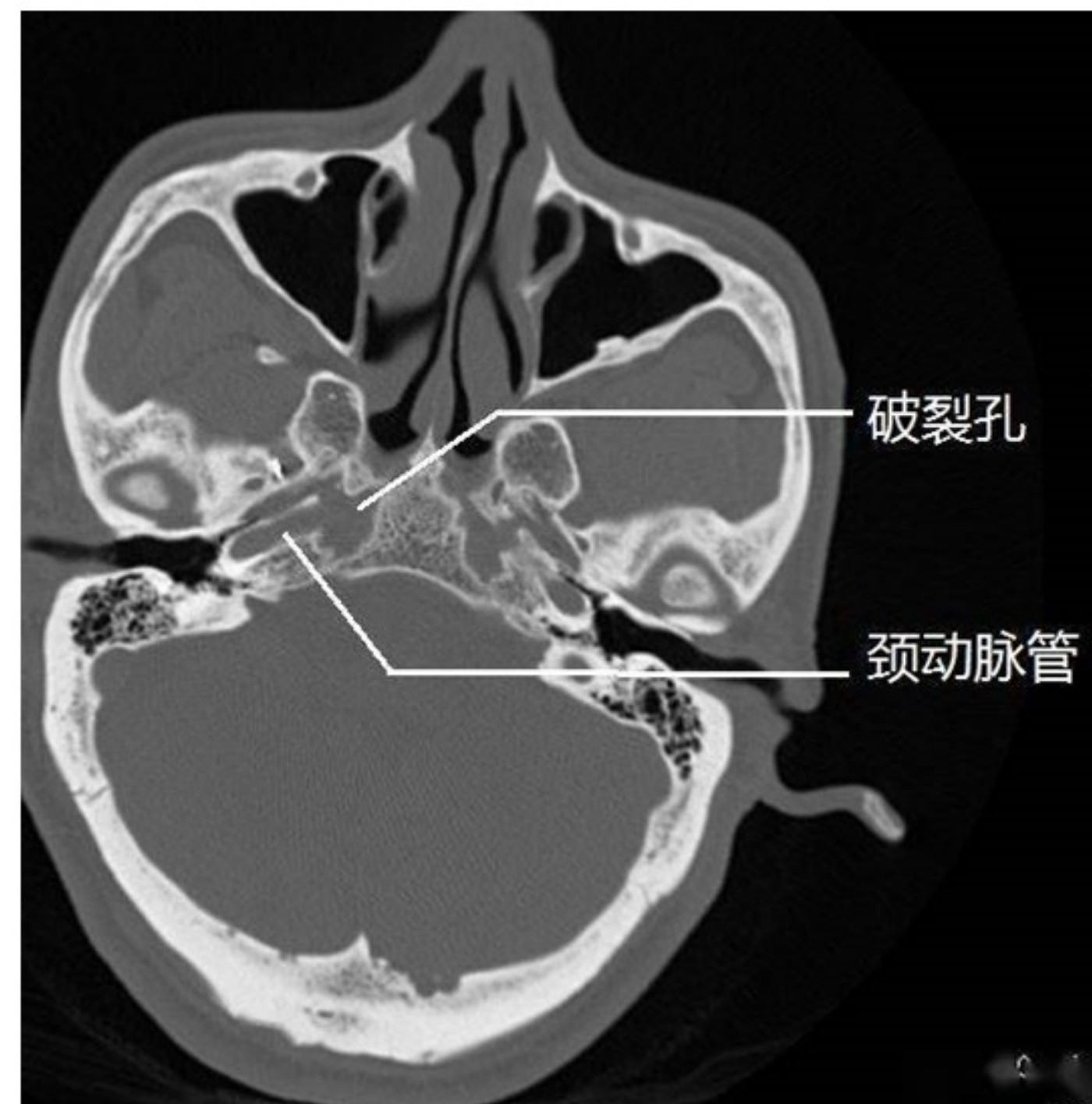
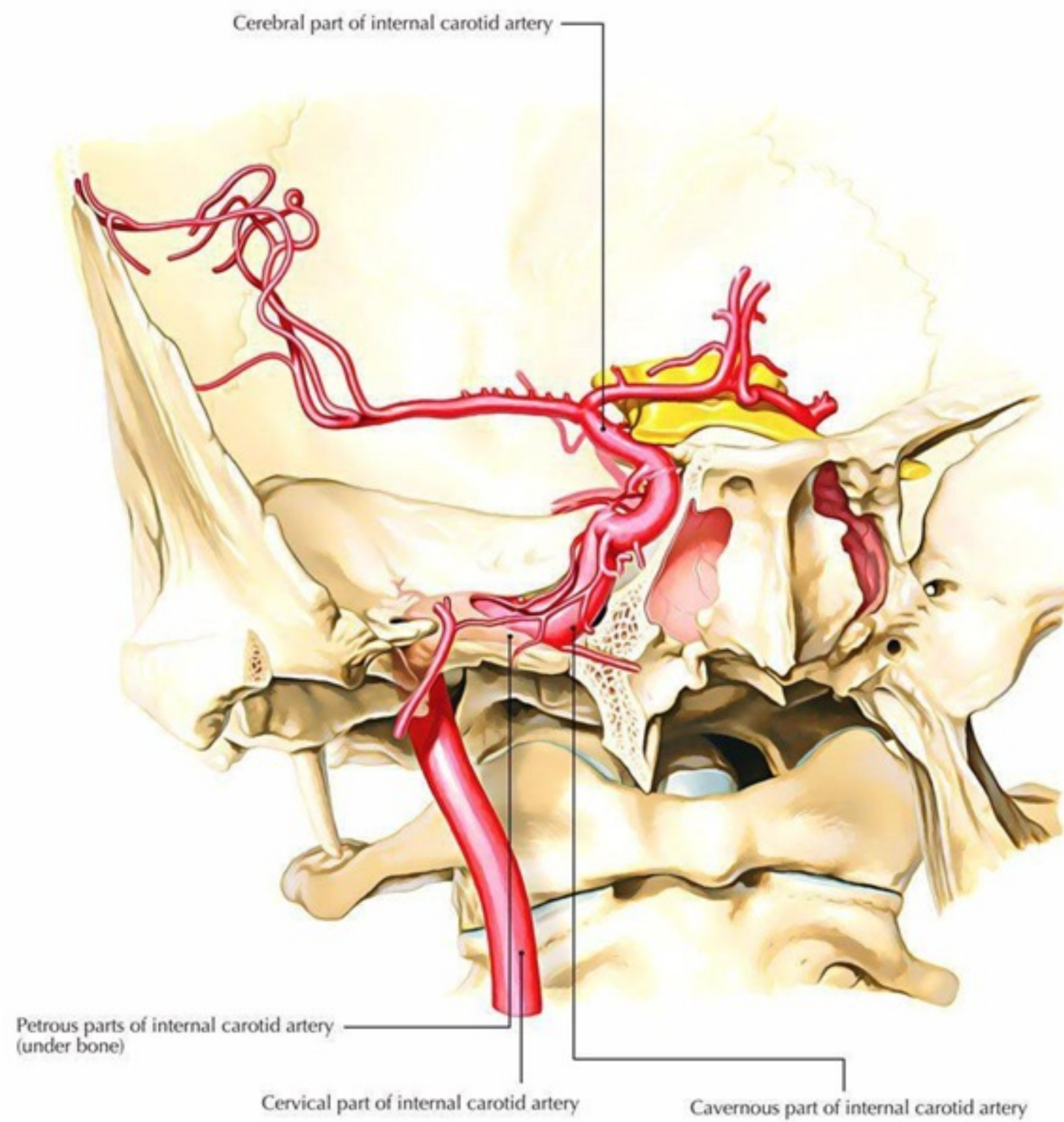
- 额骨眶部
- 筛骨筛板
- 蝶骨小翼

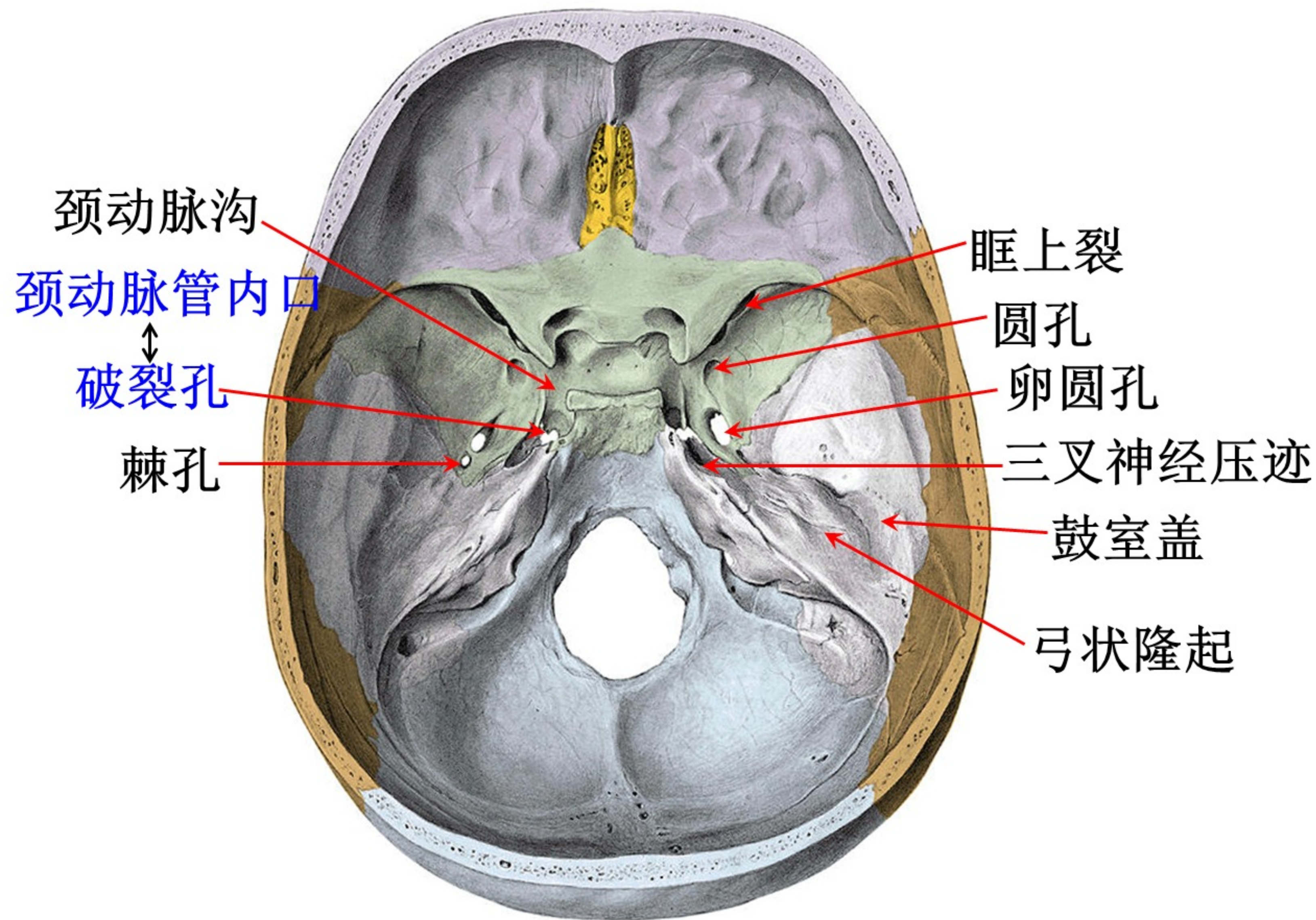


(2) 颅中窝









(3) 颅后窝

构成:

➤ 枕骨

➤ 颞骨岩部后面

舌下神经管内口

乙状窦沟

枕骨大孔

枕内隆凸

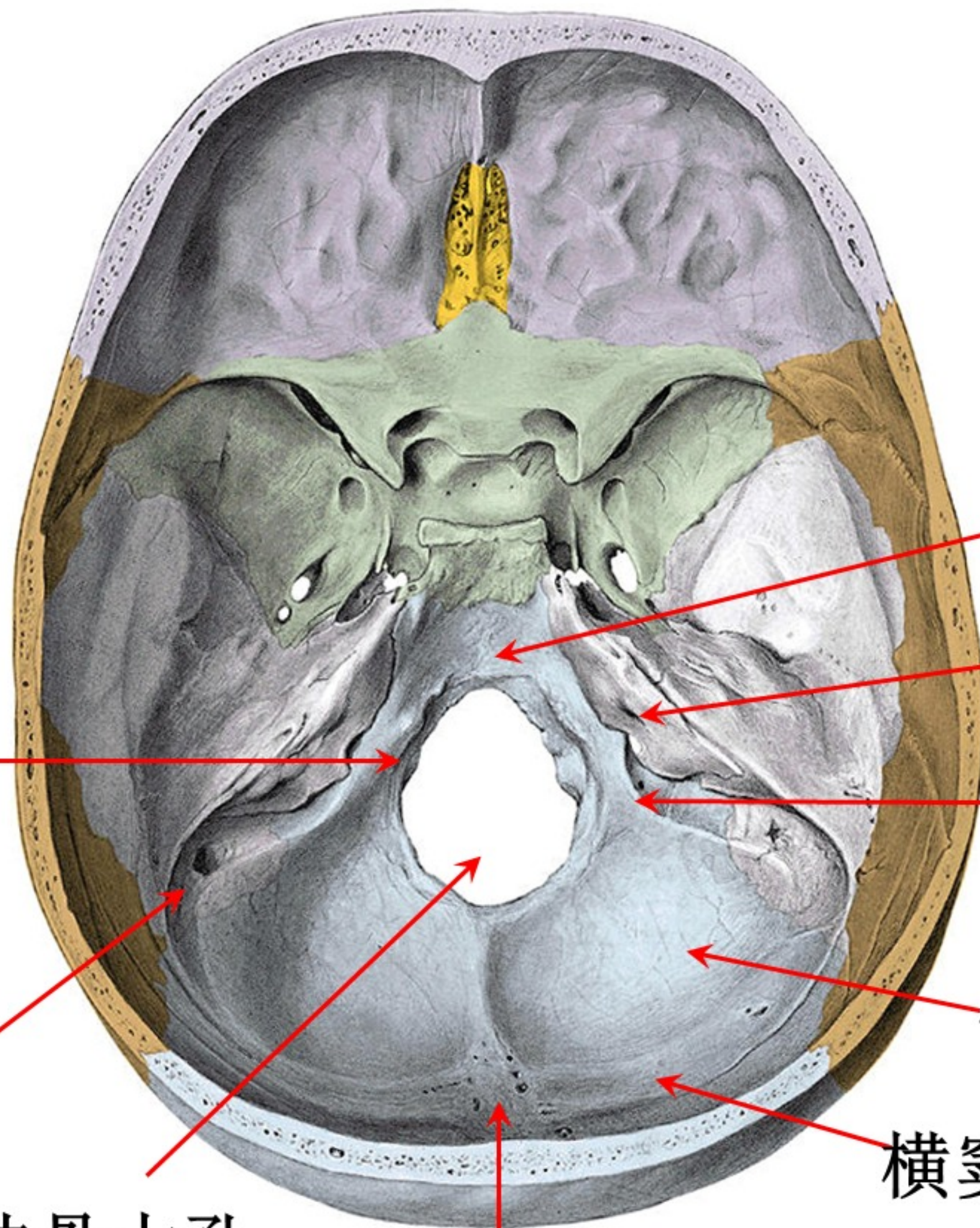
斜坡

内耳门

颈静脉孔

小脑窝

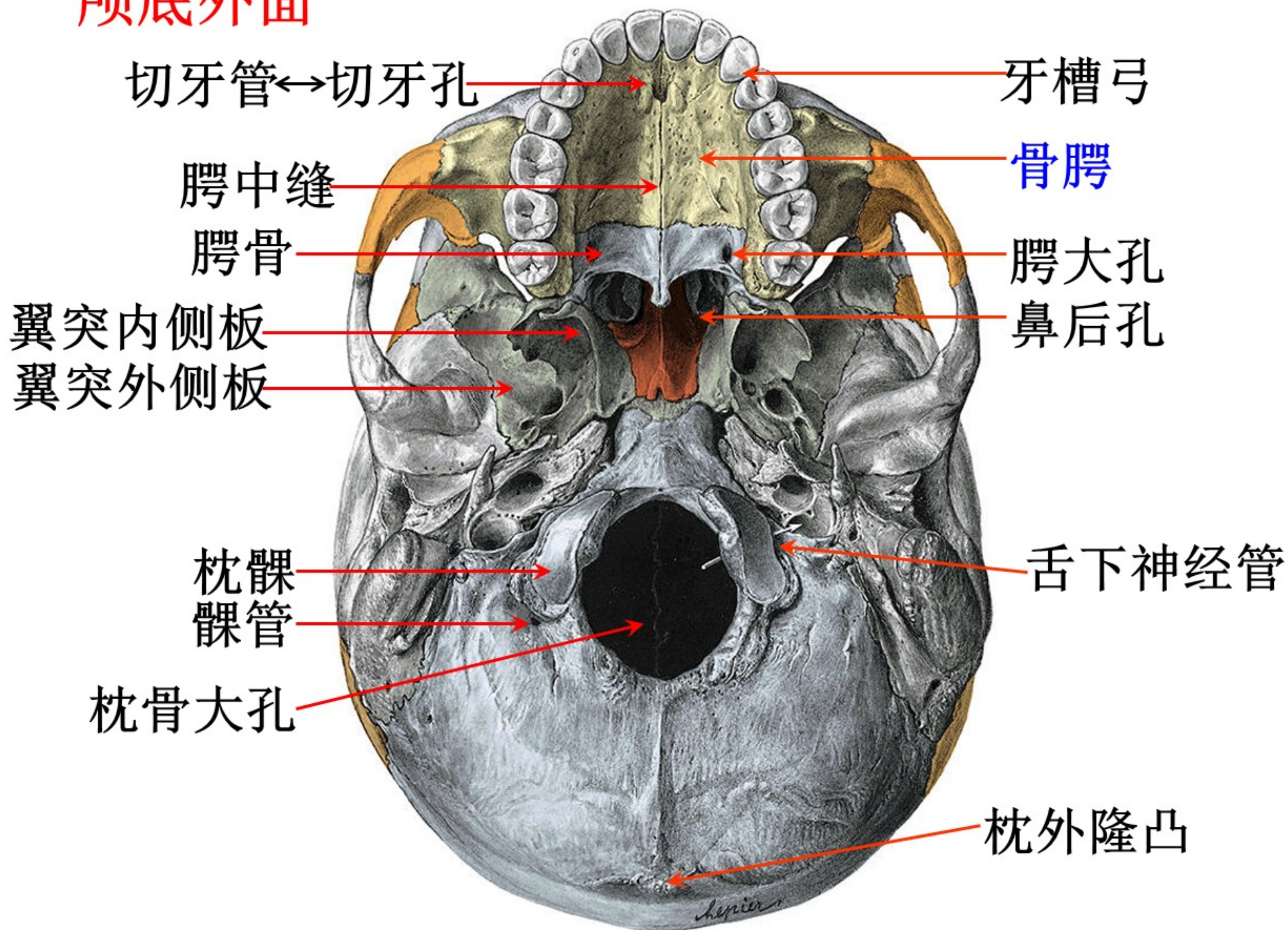
横窦沟

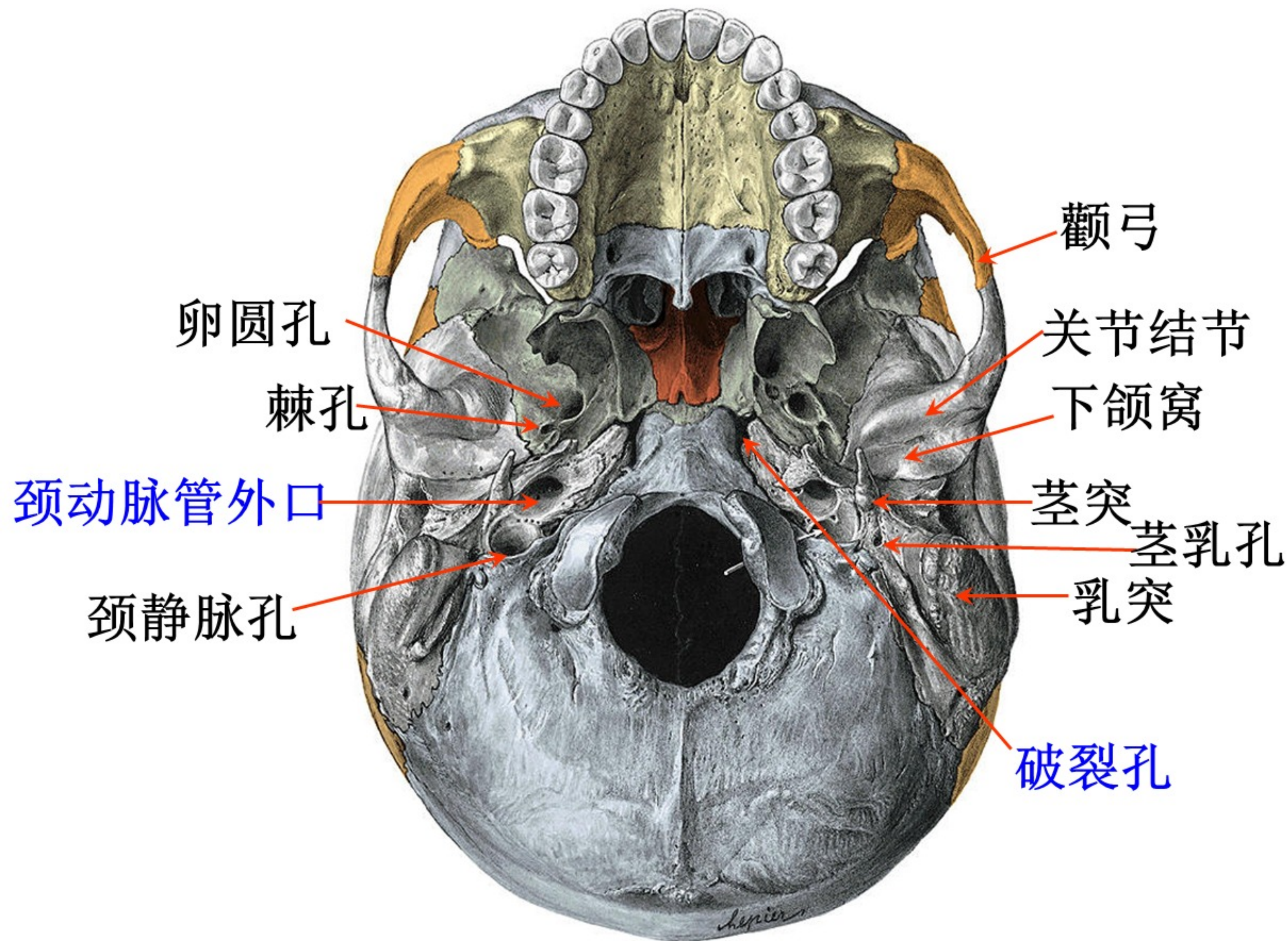


下列不属于颅中窝结构的是：

- ☐ A 三叉神经压迹
- ☐ B 内耳门
- ☐ C 卵圆孔
- ☐ D 鼓室盖

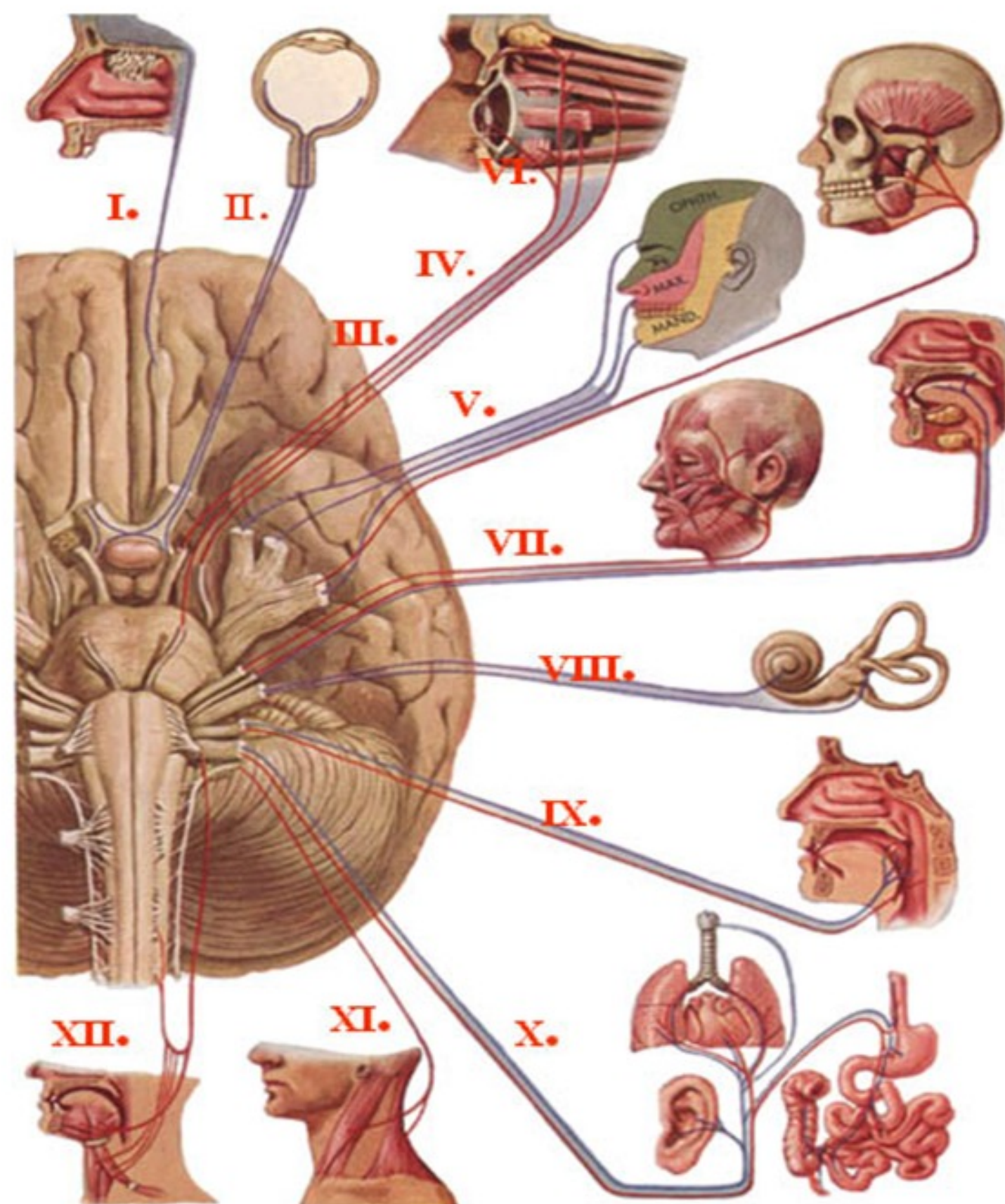
颅底外面





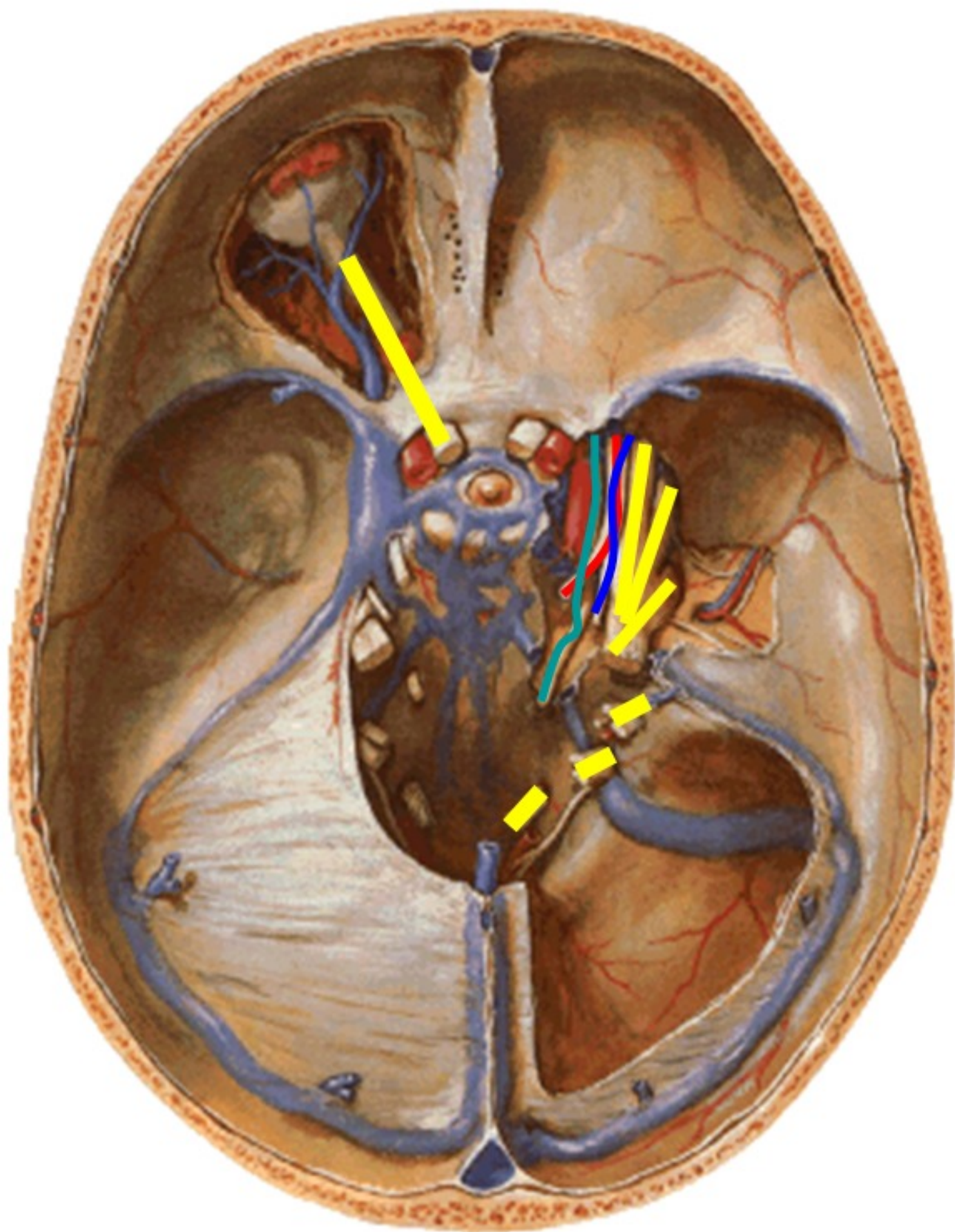
脑神经的名称、排列顺序

I 嗅 II 视 III 动眼
IV 滑 V 叉 VI 外展
VII 面 VIII 听 IX 舌咽
迷副 舌下 神经全



脑神经出入颅部位

- I → 筛孔
- II → 视神经管
- III → 眶上裂
- IV → 眶上裂
- V 1 → 眶上裂
- V 2 → 圆孔
- V 3 → 卵圆孔
- VI → 眶上裂
- VII → 内耳门、茎乳孔
- VIII → 内耳门
- IX → 颈静脉孔
- X → 颈静脉孔
- XI → 颈静脉孔
- XII → 舌下神经管



思 考

- 颅底内面颅中窝的结构有哪些？
- 颅前、中、后窝各有哪些孔、裂、沟，各通过什么结构？
- 颅前、中、后窝骨折可能损伤哪些结构？



*That's over,
thank you!*