

# Intraoral anatomy

Lecture 8

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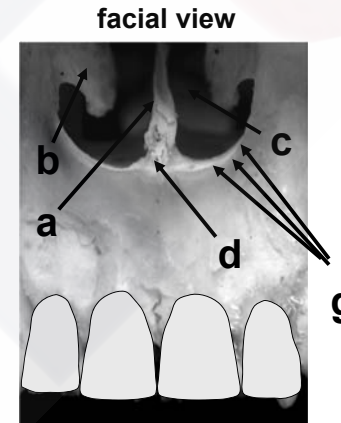
- The anatomical structures that may be seen on intraoral films are more likely to be seen when using the bisecting angle technique because of the increased vertical angulation commonly used with this technique.
- Some of the structures may be confused with pathology, it is important to understand their normal appearance in order to make a proper diagnosis.

2

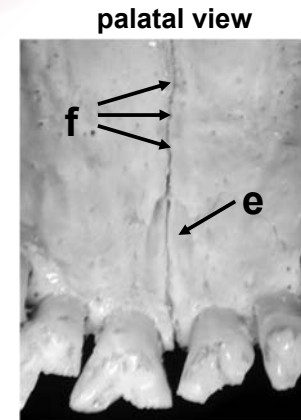
## Introduction

- Some landmarks are related to the bone, whereas other are related to soft tissue.

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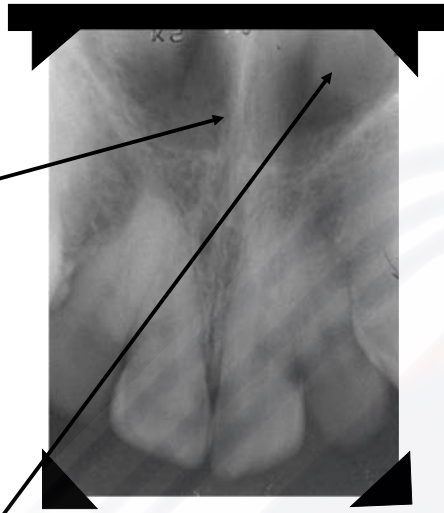
a = nasal septum  
 b = inferior concha  
 c = nasal fossa  
 d = anterior nasal spine  
 g = bony border of nasal cavity



e = incisive foramen  
 f = median palatal suture

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**Nasal septum**



**Inferior concha**

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**Nasal (cavity) fossa**

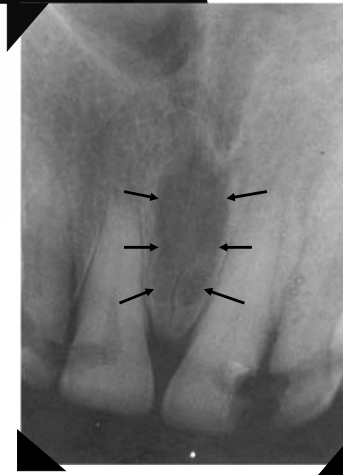
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**Bony border of nasal cavity**



**Anterior nasal spine**

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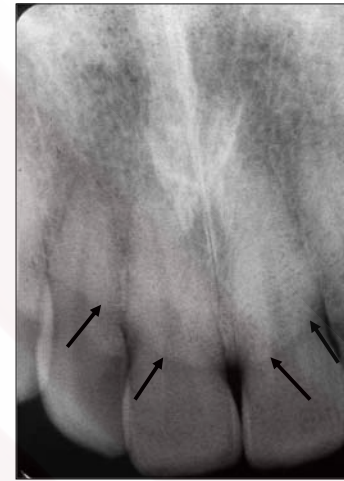
**Incisive foramen**

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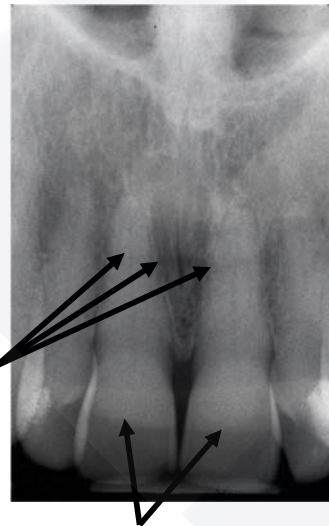
**Median palatal suture**

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**Soft tissue of the nose**

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**Soft tissue of the nose**

**The upper lip line**

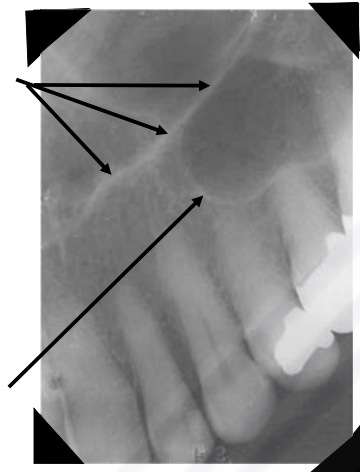
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**Superior foramina of the nasopalatine canals.**

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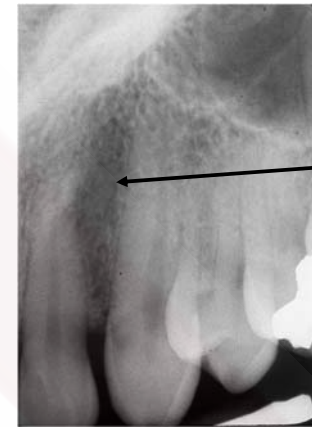
**Floor of nasal cavity (hard palate)**



**Anterior border of maxillary sinus**

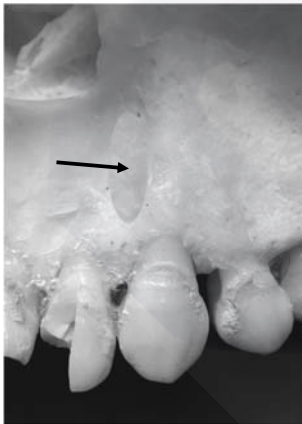
**Floor of nasal cavity and the anterior border of the maxillary sinus form the inverted Y.**

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**Lateral fossa**

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**Lateral fossa**

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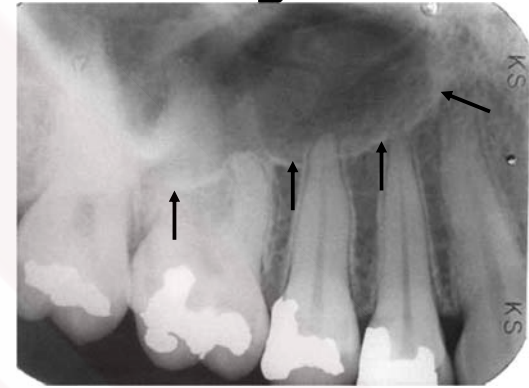
**Soft tissue of the cheek (Nasolabial fold)**

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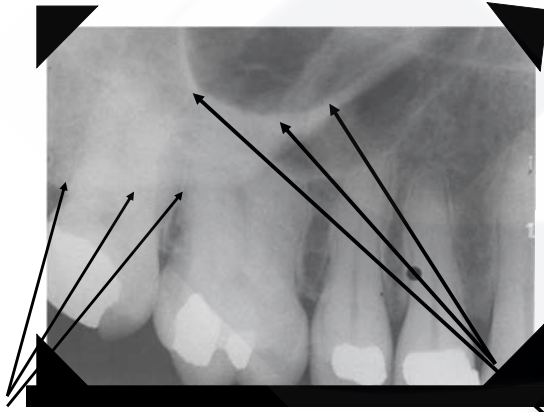
**The floor of the nasal fossa.**

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**Maxillary Sinus**

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**The zygomatic bone**

**Zygomatic process of maxilla**

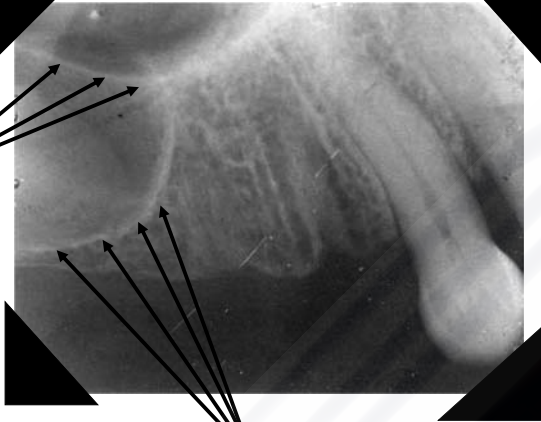
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**Sinus septum**

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**Floor of nasal cavity**



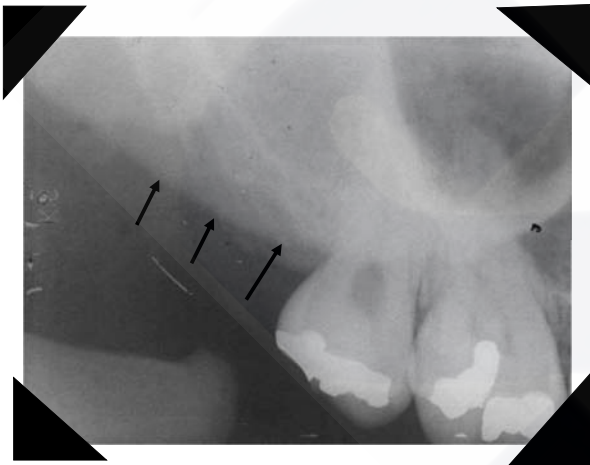
**Floor of maxillary sinus (Pneumatization)**

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**Cheek (nasolabial fold)**

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**Zygomatic (malar) bone / arch**

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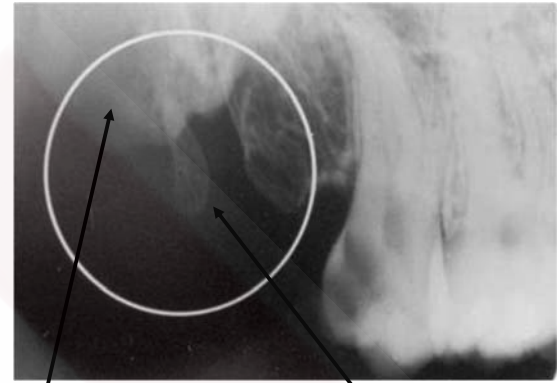
**Maxillary Tuberosity**

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**Coronoid process**

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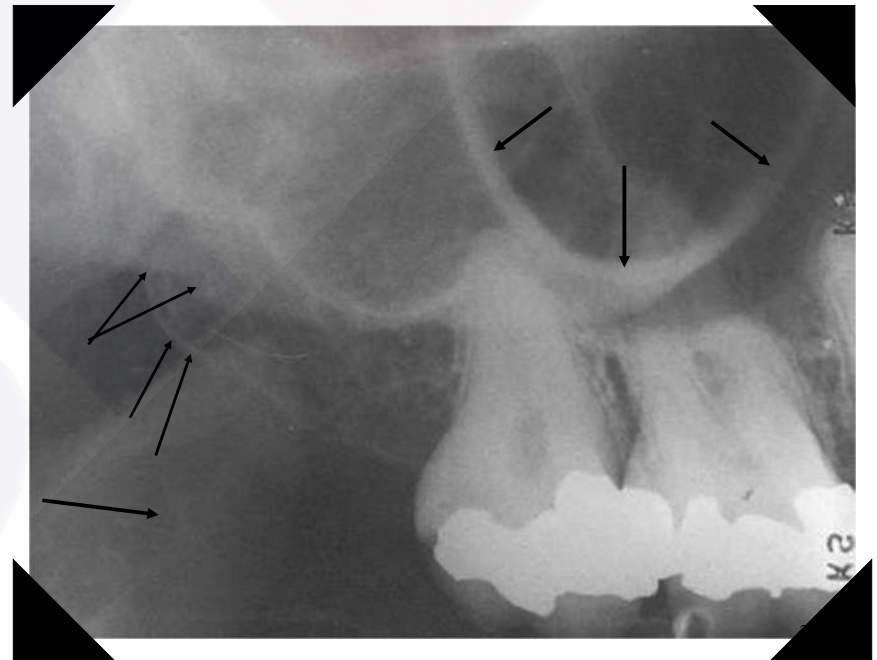


**Pterygoid plates**

**Hamular process**



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# Mandibular landmarks

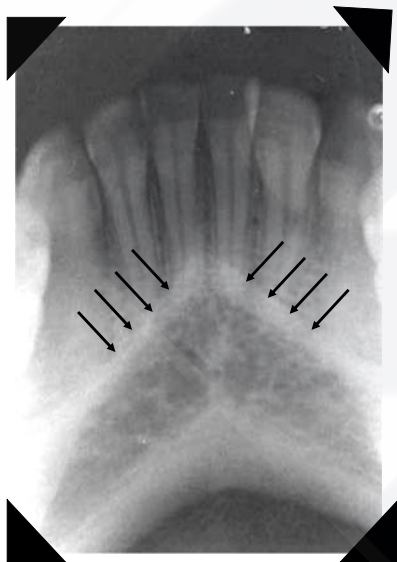
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Lingual foramen

Genial tubercles (mental spines)

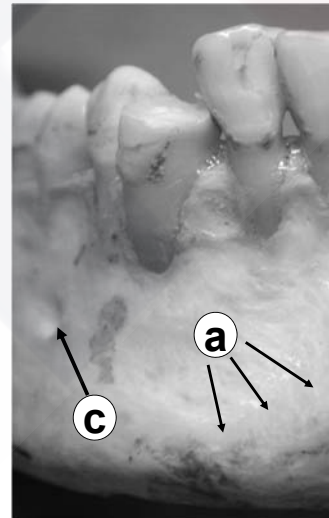
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Mental ridge

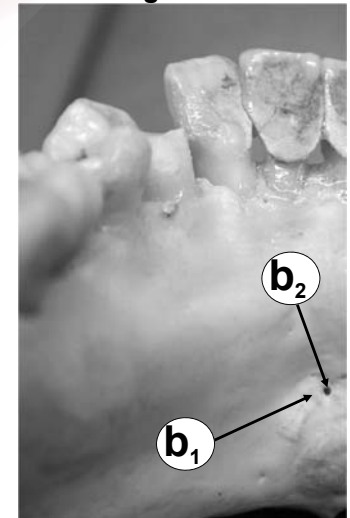
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facial view



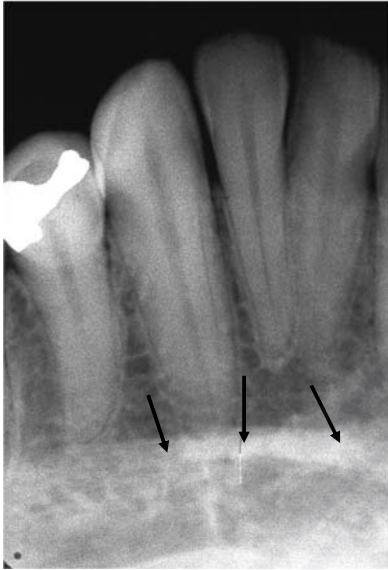
a = mental ridge  
c = mental foramen

lingual view



b<sub>1</sub> = genial tubercles  
b<sub>2</sub> = lingual foramen<sup>32</sup>





**Mental ridge**

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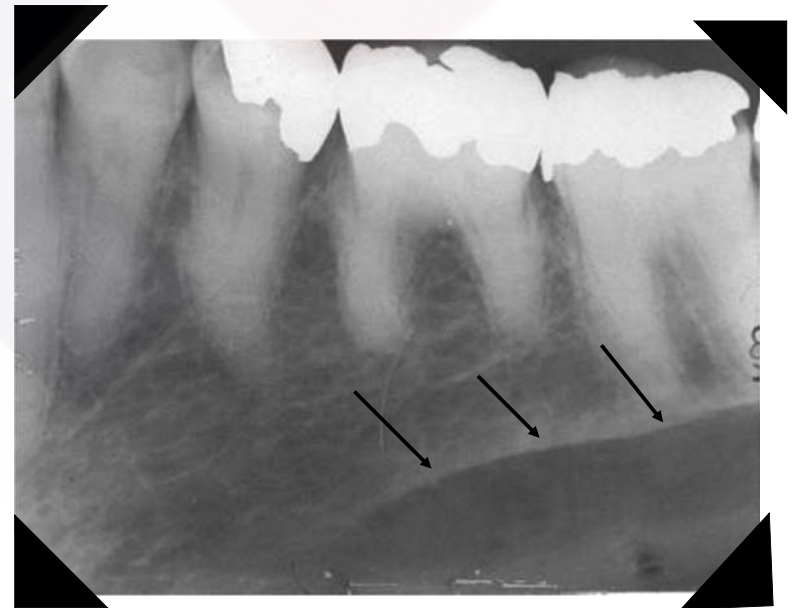
**Mental foramen**



**Mental foramen**

**Mandibular canal**

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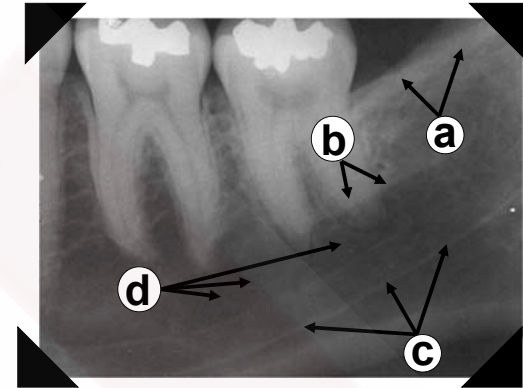
**Mylohyoid (internal oblique) ridge**

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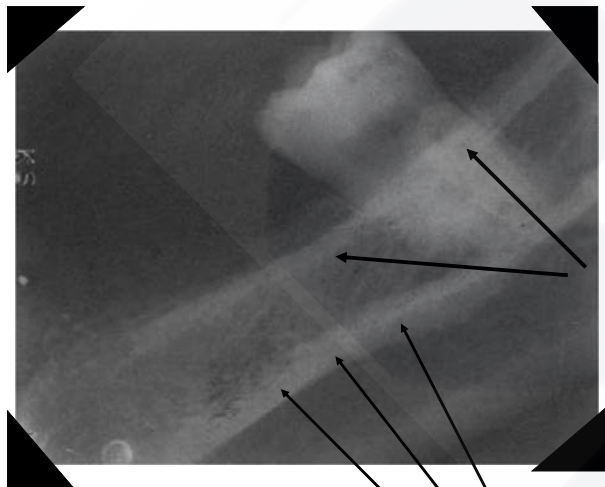
**Mandibular canal (Inferior alveolar canal)**

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- a = external oblique ridge
- b = mylohyoid ridge
- c = mandibular canal
- d = submandibular gland fossa

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**External oblique ridge**

**Internal oblique ridge**

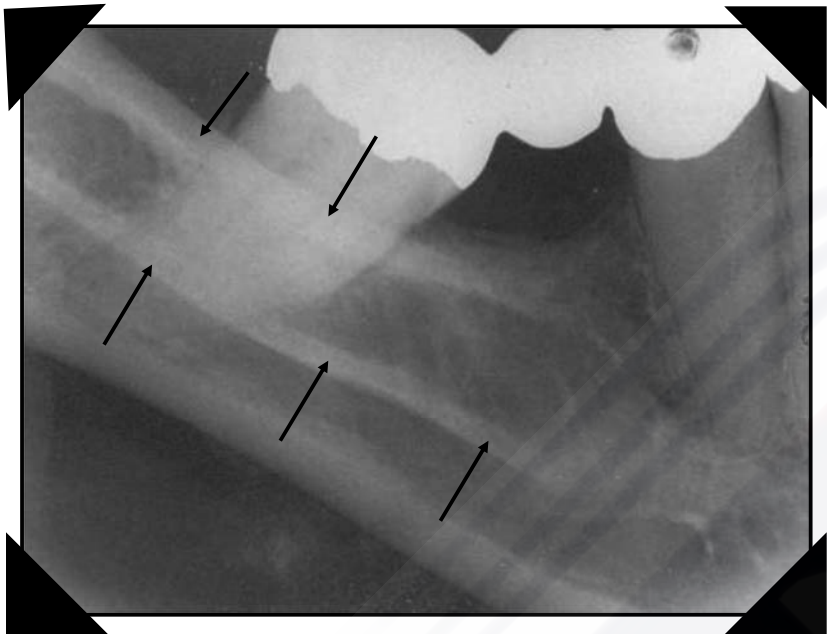
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**Inferior alveolar canal**

**Inferior cortex of the mandible**

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