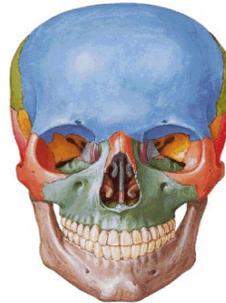




## Osteoartrología de la cara

Dr. Arnoldo Hernández Caldera.  
Cirujano Dentista



### DEFINICION

- ◆ Conjunto de estructuras duras y blandas que forman la porción antero inferior de la cabeza.
- ◆ Su formación obedece a las siguientes necesidades:
  - Protección de proyecciones del SNC (órganos de los sentidos).
  - Alimentación (mandíbula superior e inferior).

## ◆ Funciones:

- Parachoque natural de la cabeza (traumatología).
- Sentidos: visión, olfato, gusto.
- Masticación y deglución.
- Etc.



## EVOLUCION

- ◆ Aumento de capacidad craneana.
- ◆ Aplanamiento facial.
- ◆ Cambio morfológico dentomandibular.

**Australopithecus**  
(3-2 millones de años)



**Homo erectus**  
(750.000 años)



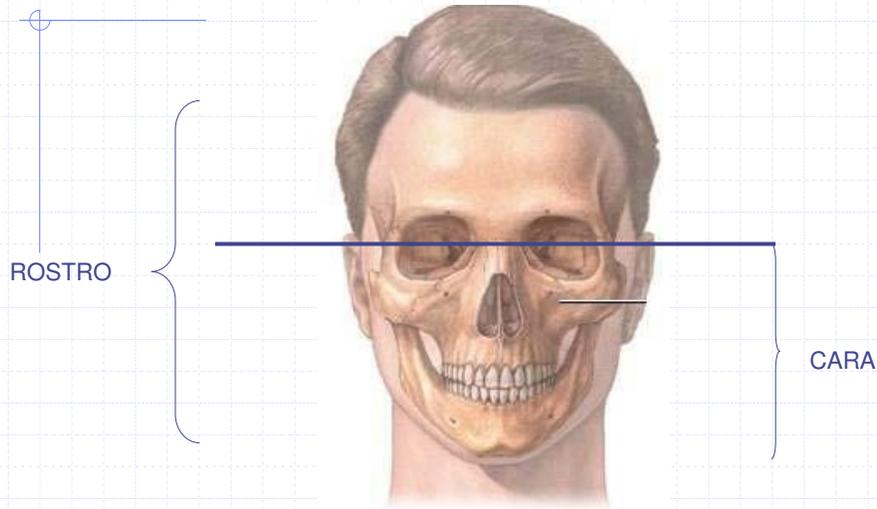
**Homo neanderthalensis**  
(100.000 a 40.000 años)



**Homo (sapiens) sapiens**  
(40.000 años hasta hoy)

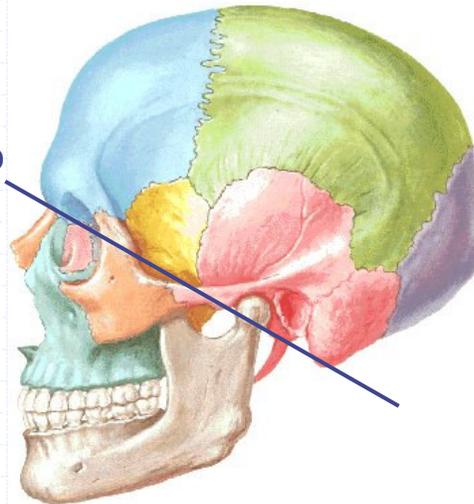


## CARA Y ROSTRO.



## LIMITES DE LA CARA.

- ◆ Línea: art. Frontonasal y fronto cigomática a proceso mastoideas.



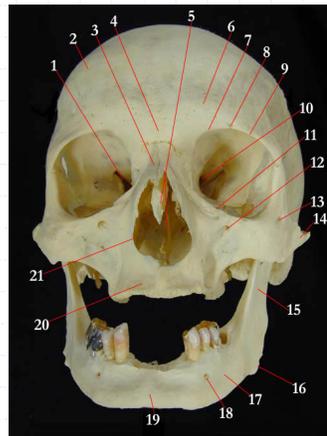
## OSTEOARTROLOGIA DE LA CARA.

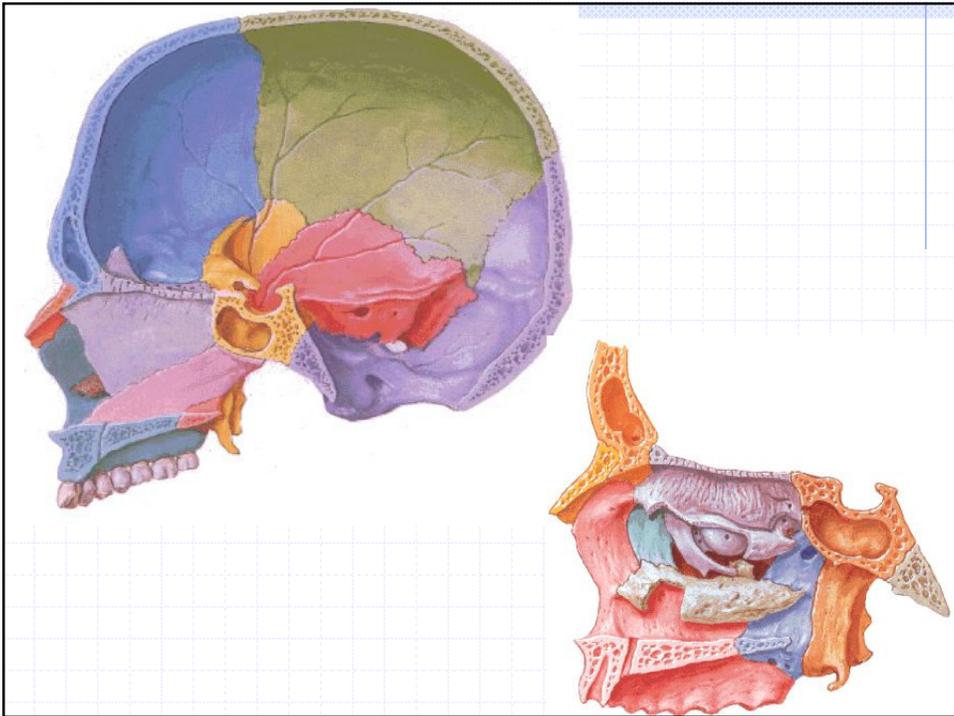
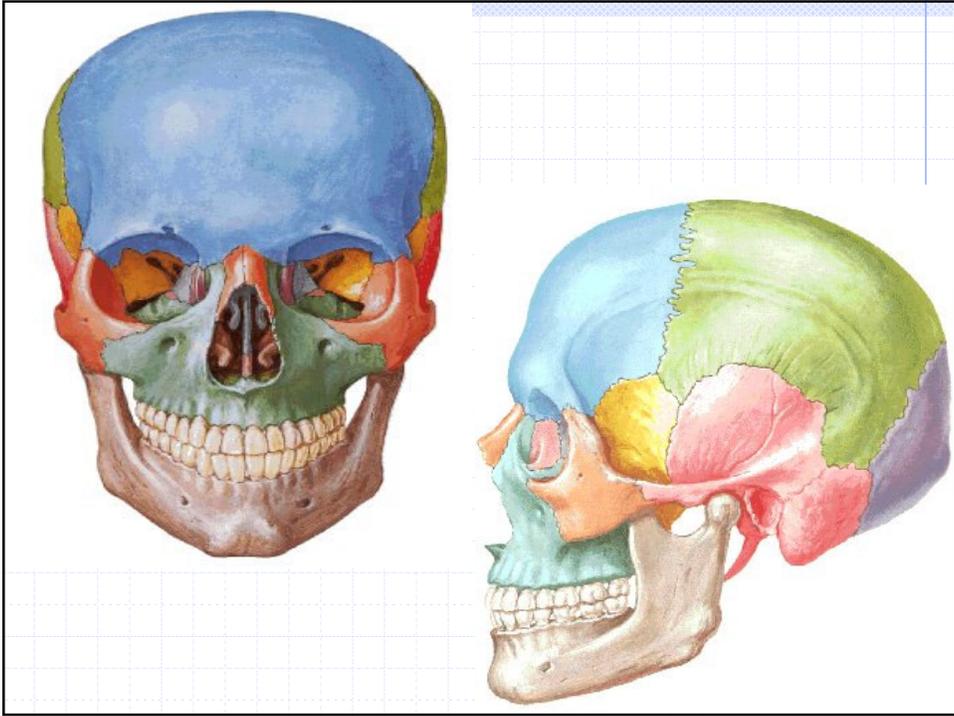
- ◆ Huesos irregulares.
- ◆ Huesos planos.
- ◆ Huesos neumáticos.
- ◆ 14 huesos + dientes.
- ◆ Organizados en torno a cavidades.
- ◆ Art. Suturas y 1 sinovial.



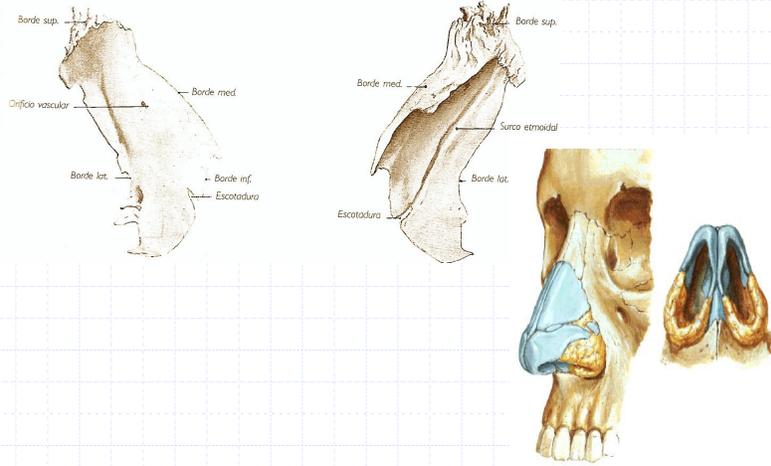
## HUESOS.

- ◆ Nasal: 2
- ◆ Cigomático: 2
- ◆ Lagrimal: 2
- ◆ Maxilar: 2
- ◆ Concha Nasal Inferior: 2
- ◆ Palatino: 2
- ◆ Vómer: 1
- ◆ Mandíbula: 1





# HUESO NASAL



# HUESO CIGOMÁTICO

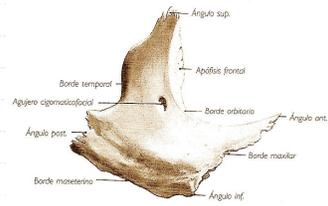


Fig. 78 • Hueso cigomático (cara lateral).

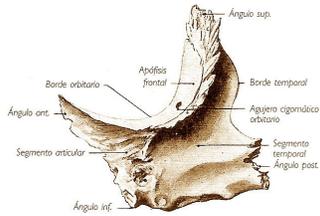
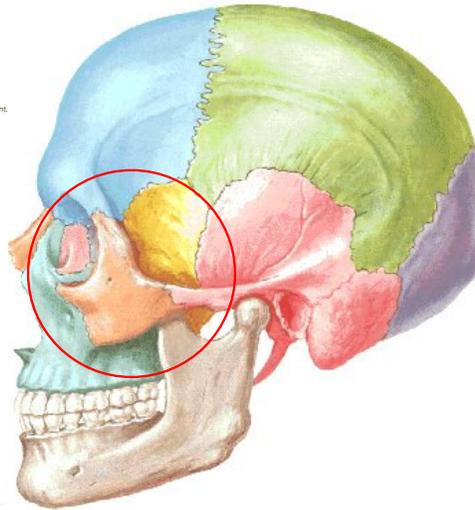
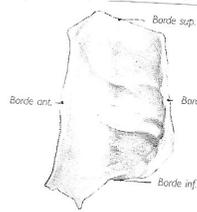
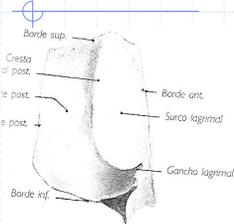


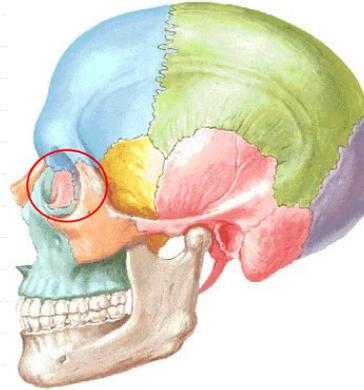
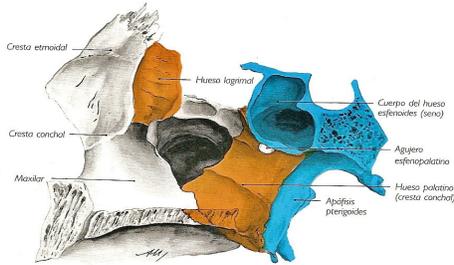
Fig. 79 • Hueso cigomático (cara medial).



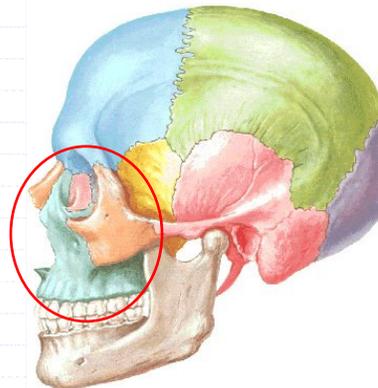
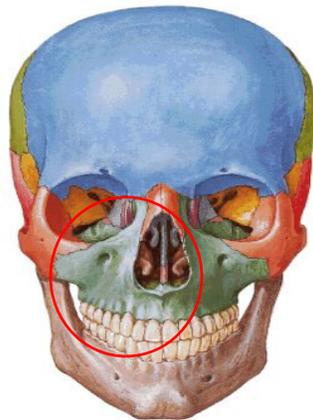
# HUESO LAGRIMAL



Hueso lagrimal (visión lateral).

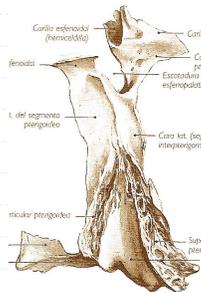
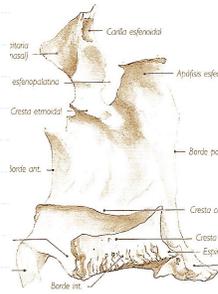
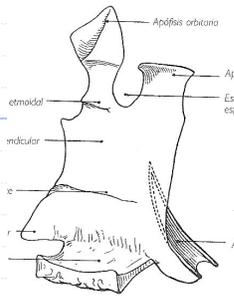
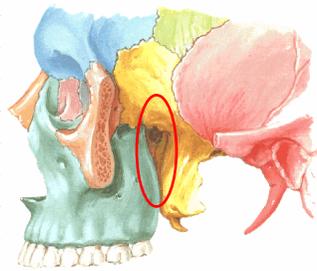
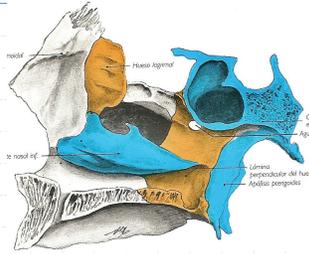


# HUESO MAXILAR

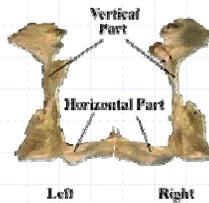




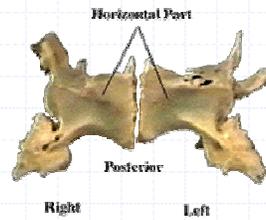
# HUESO PALATINO

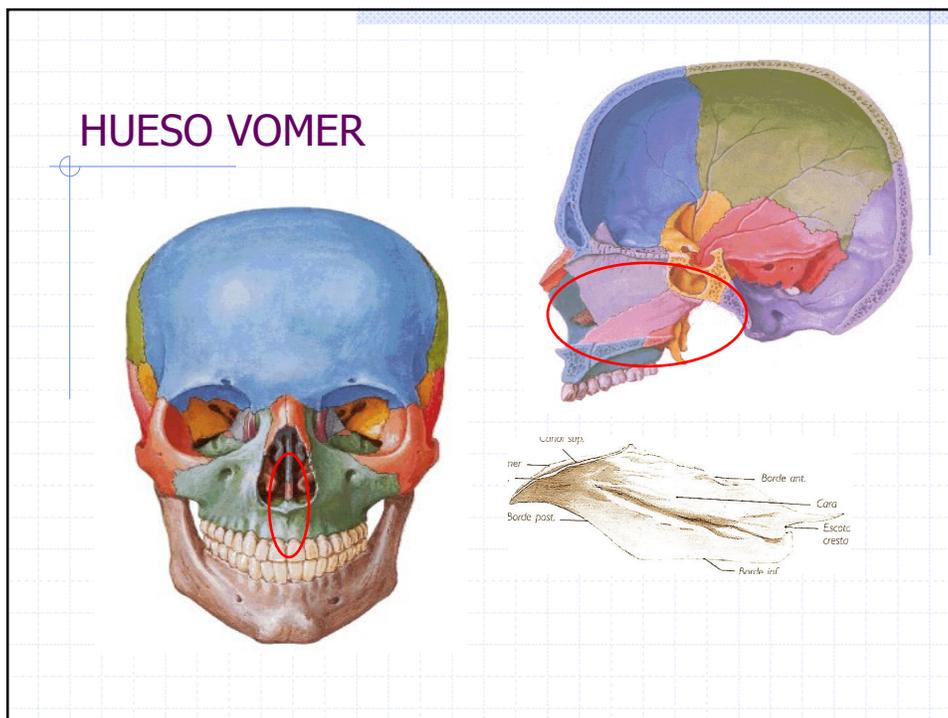
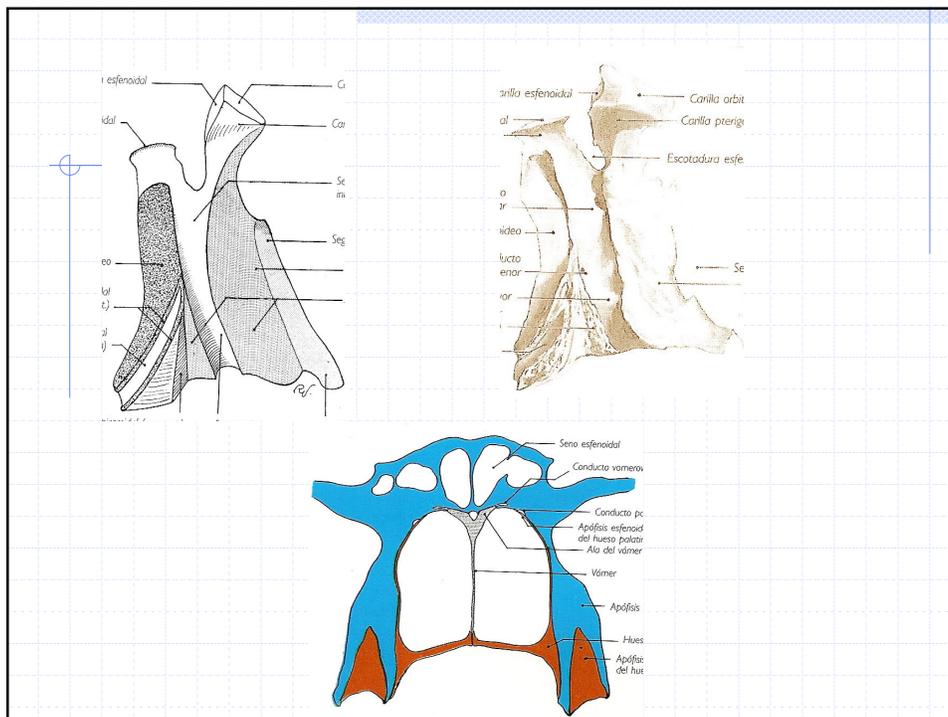


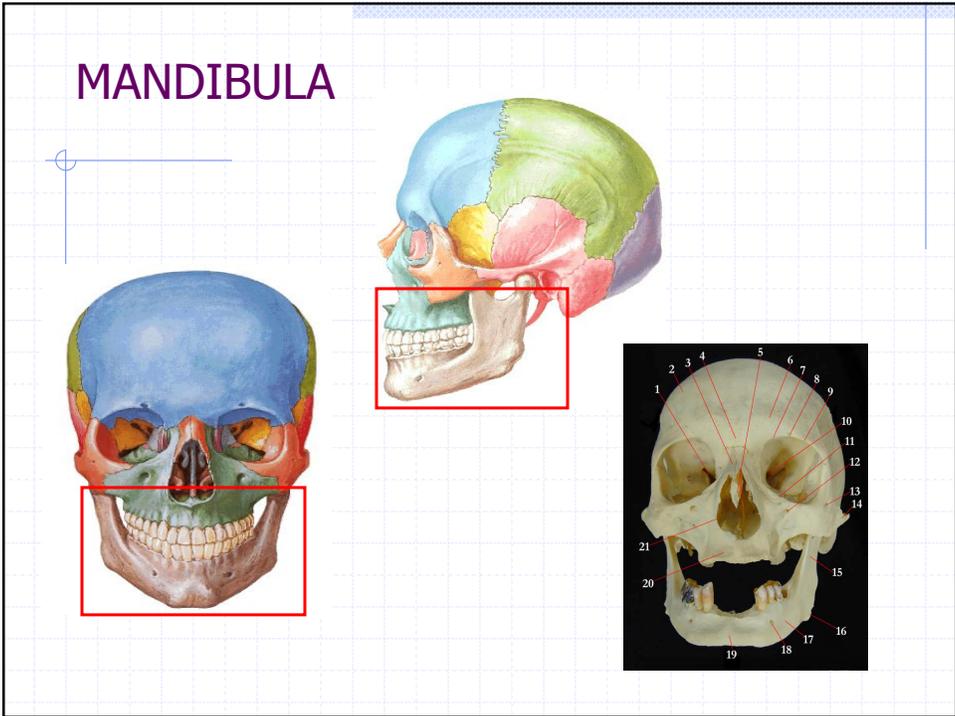
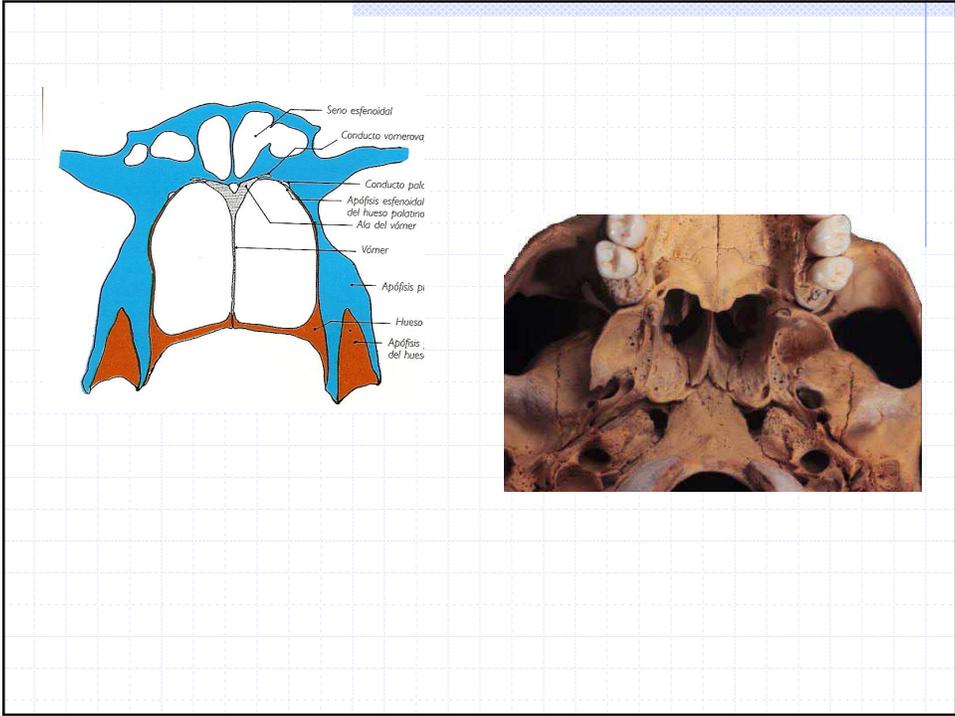
**Posterior View**

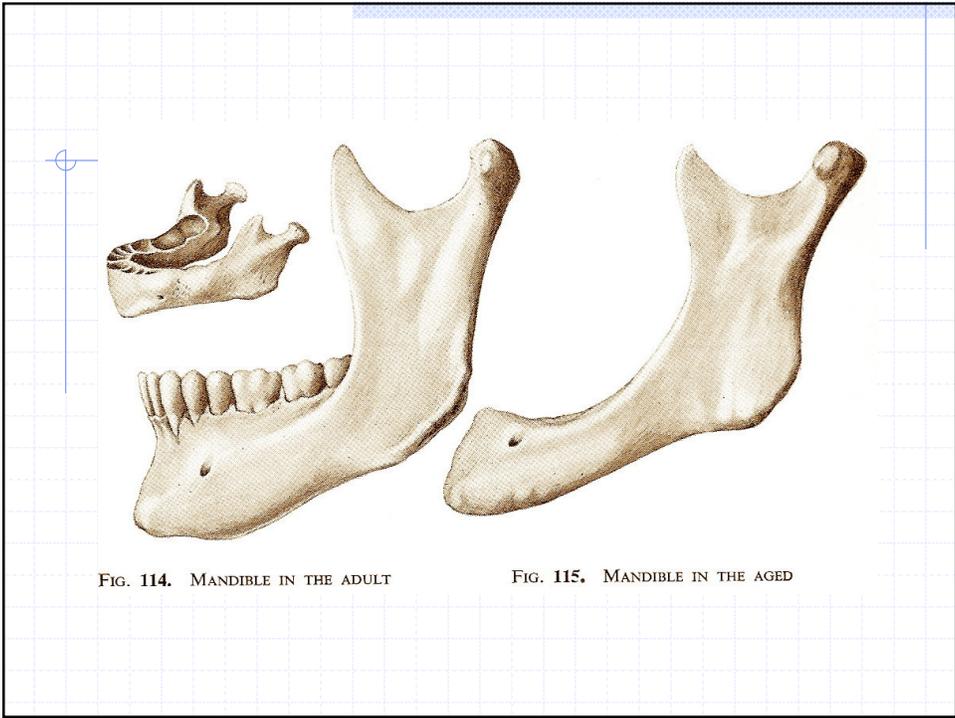
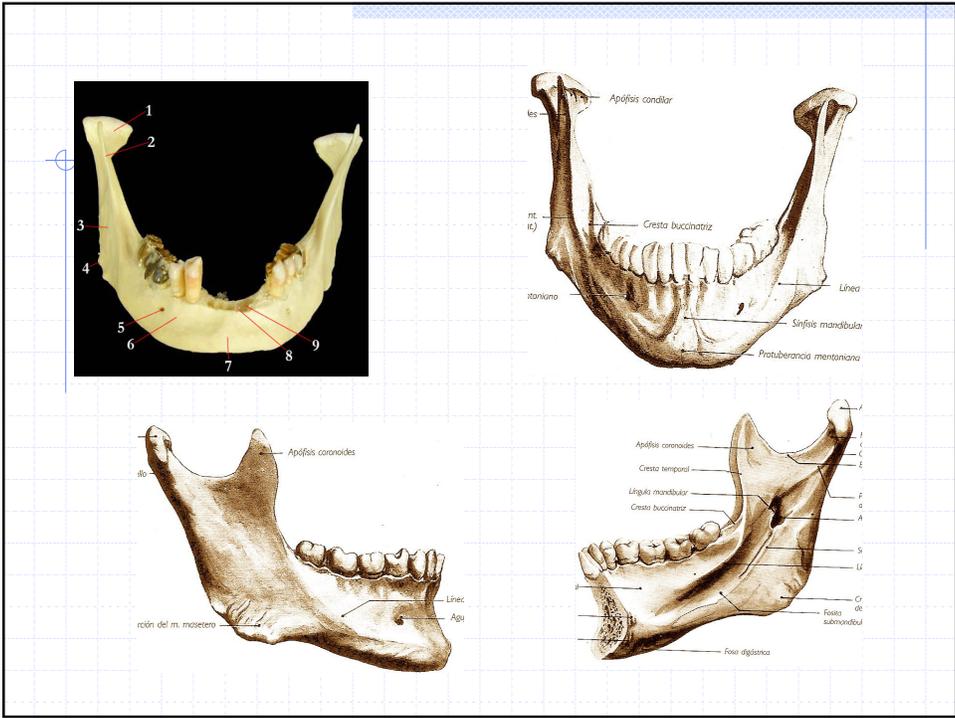


**Inferior View**





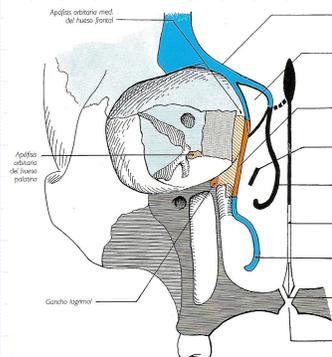




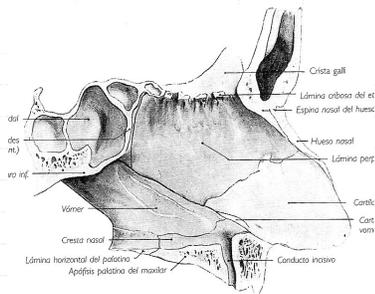
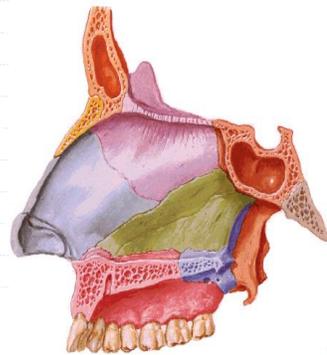
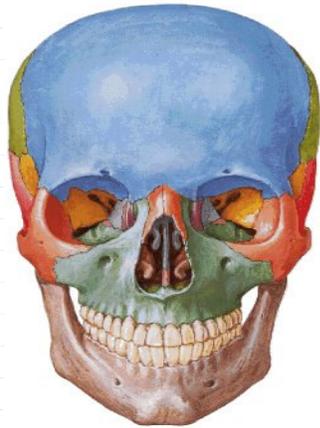
## REGIONES COMUNES A CRÁNEO Y CARA

- ◆ Orbita.
- ◆ Cavidad Nasal.
- ◆ Fosa Pterigoídea.
- ◆ Fosa Infratemporal.
- ◆ Fosa Pterigopalatina.

## ORBITA



# CAVIDAD NASAL

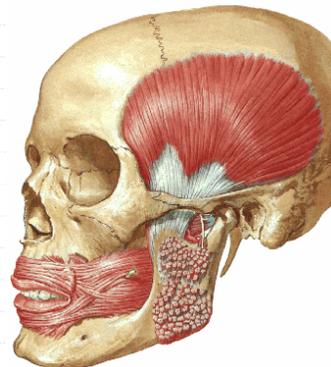
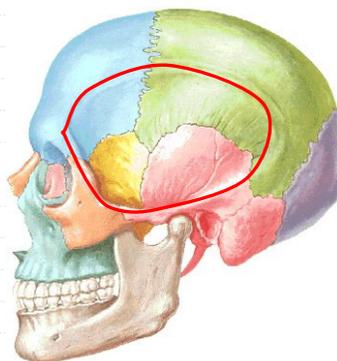




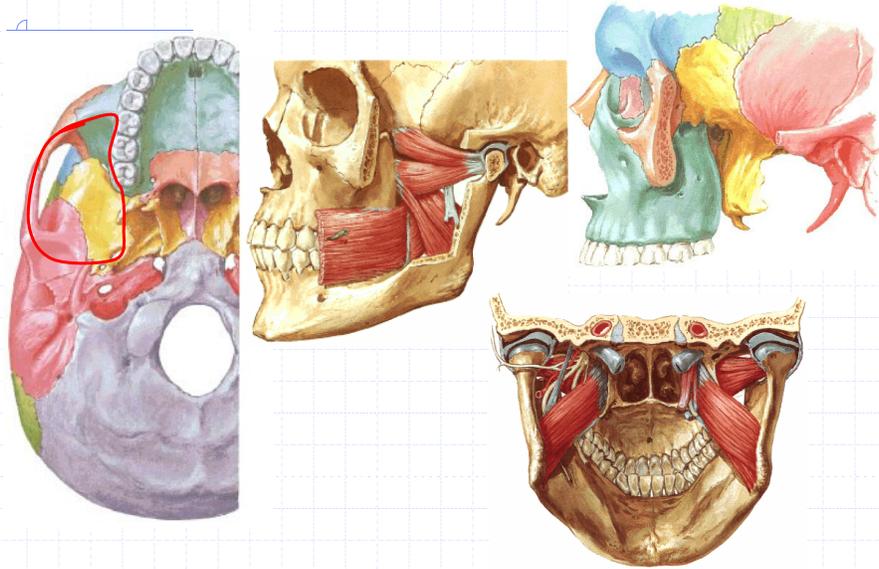
## FOSA PTERIGOÍDEA



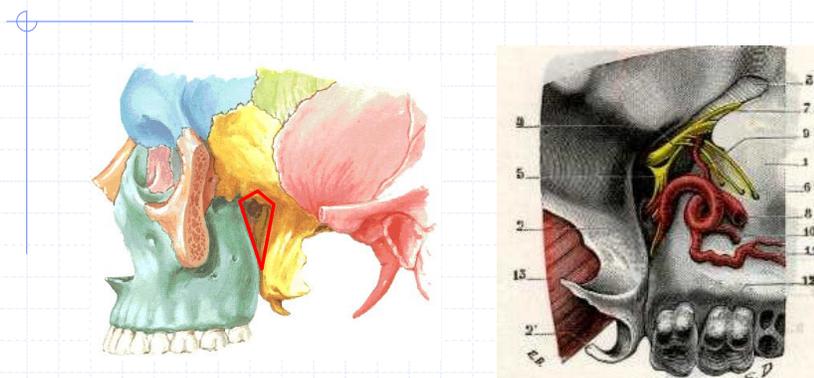
## FOSA TEMPORAL



## FOSA INFRATEMPORAL



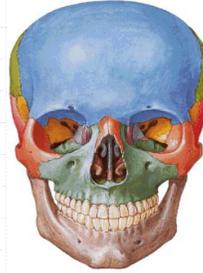
## FOSA PTERIGOPALATINA



# ARTROLOGIA DE LOS HUESOS DE LA CARA

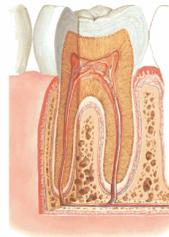
## ◆ Articulaciones fibrosas:

- Suturas.
- Gonfosis.
- Esquindelesis.

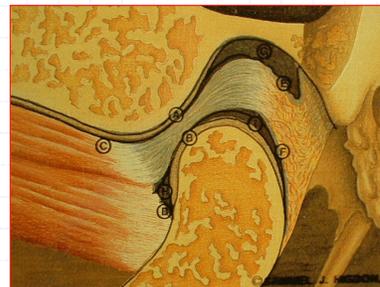
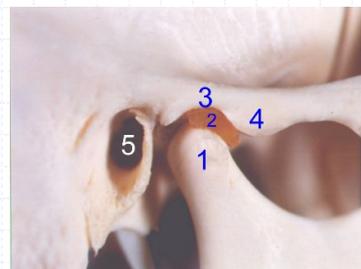
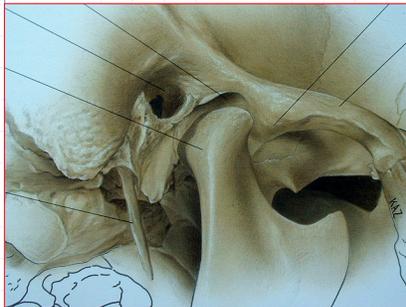


## ◆ Articulacion sinovial:

- ATM.



# Articulacion temporo-mandibular (ATM)



## Superficies articulares

