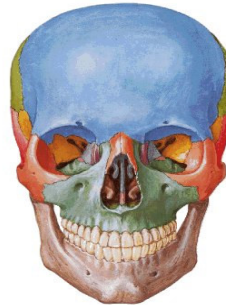




# Osteoartrología de la cara

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.

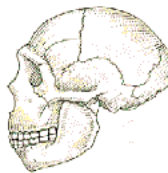
**Australopithecus**  
(3-2 millones de años)



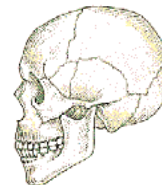
**Homo erectus**  
(750.000 años)



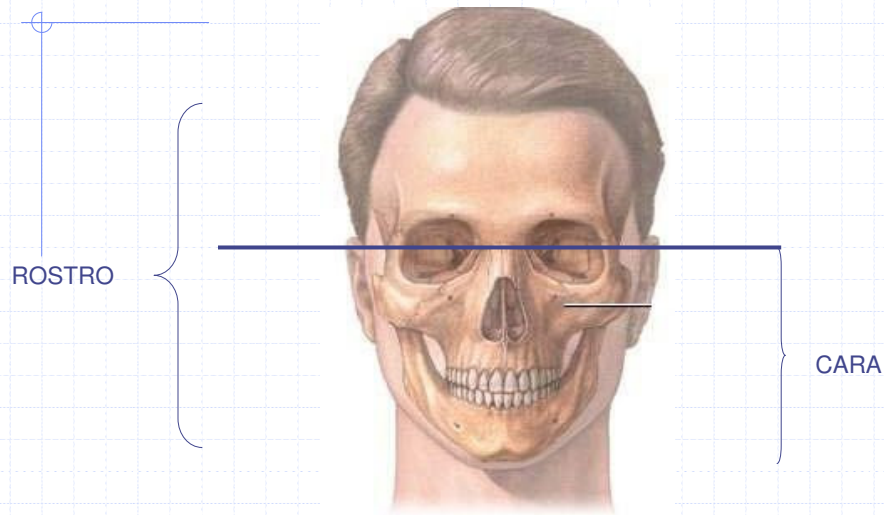
**Homo neanderthalensis**  
(100.000 a 40.000 años)



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

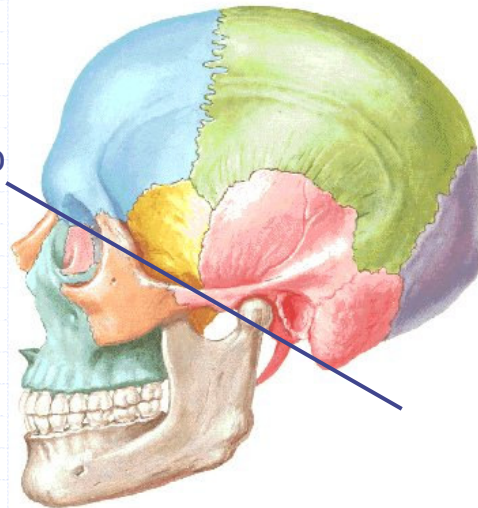


## CARA Y ROSTRO.



## LIMITES DE LA CARA.

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



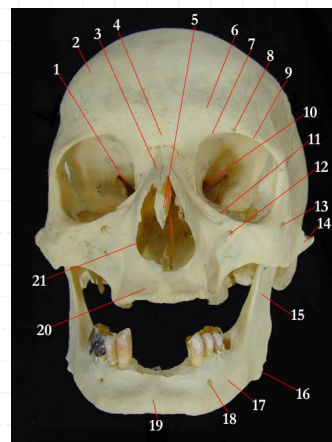
## OSTEOARTROLOGIA DE LA CARA.

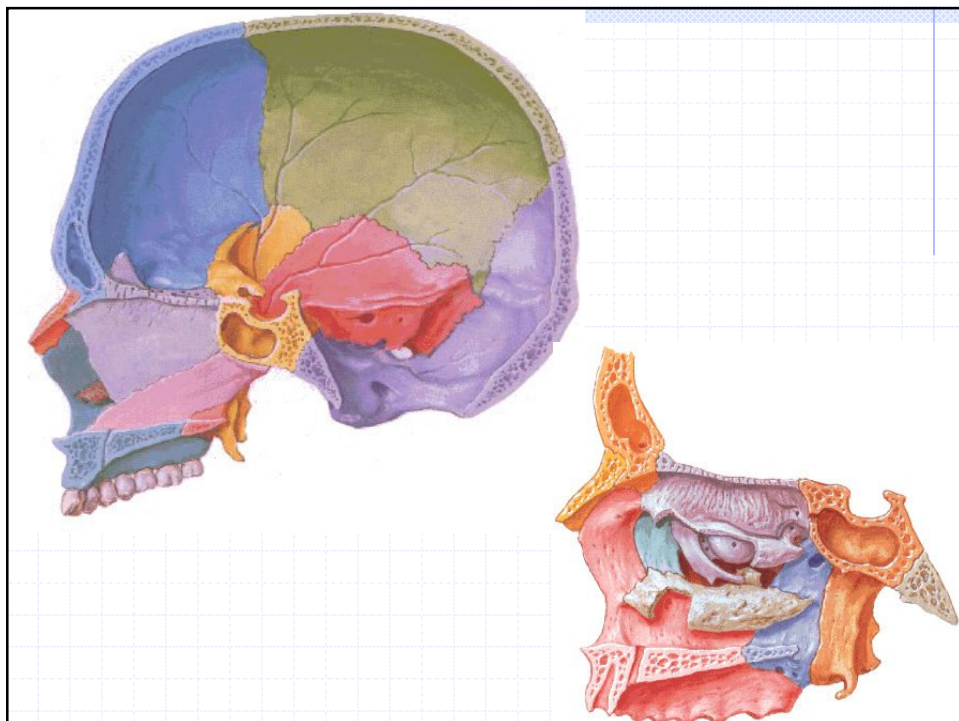
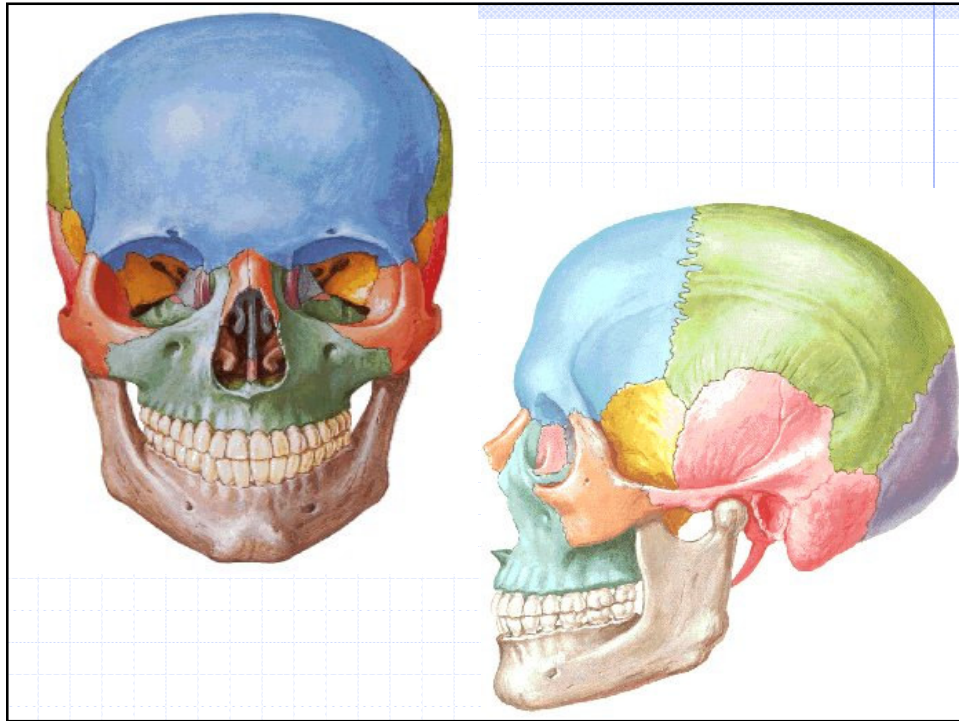
- ◆ Huesos irregulares.
- ◆ Huesos planos.
- ◆ Huesos neumáticos.
- ◆ 14 huesos + dientes.
- ◆ Organizados en torno a cavidades.
- ◆ Art. Suturas y 1 sinovial.



## HUESOS.

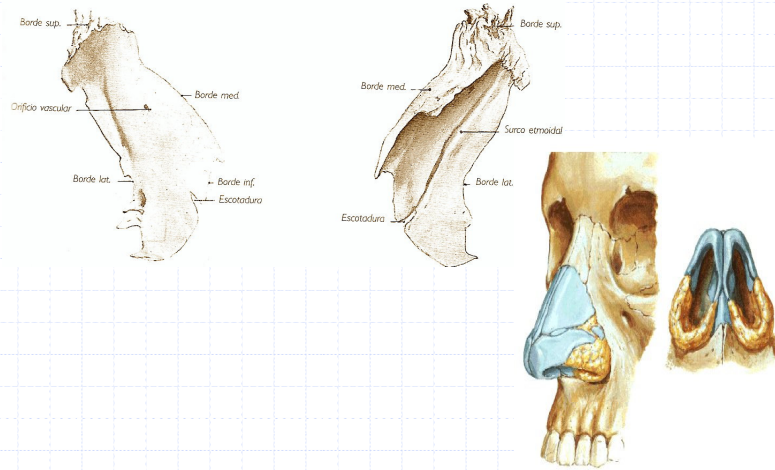
- ◆ Nasal: 2
- ◆ Cigomático: 2
- ◆ Lagrimal: 2
- ◆ Maxilar: 2
- ◆ Concha Nasal Inferior: 2
- ◆ Palatino: 2
- ◆ Vómer: 1
- ◆ Mandíbula: 1



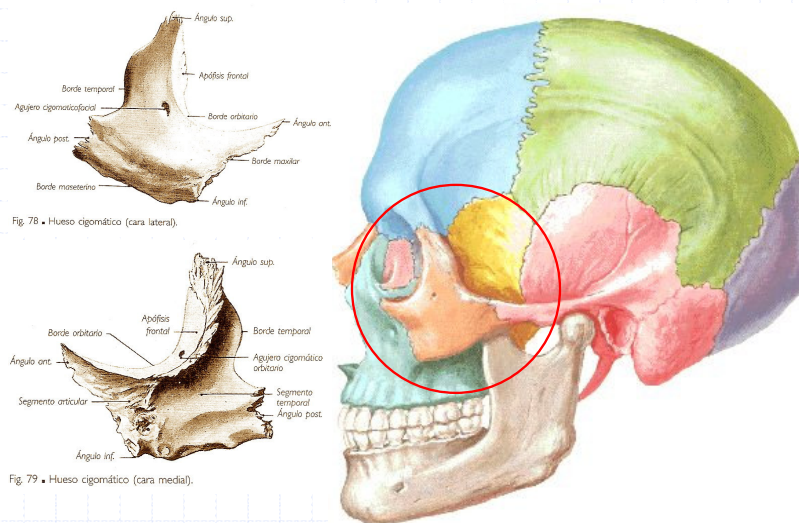




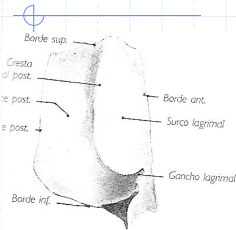
## HUESO NASAL



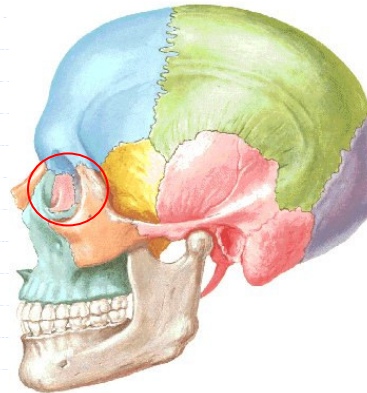
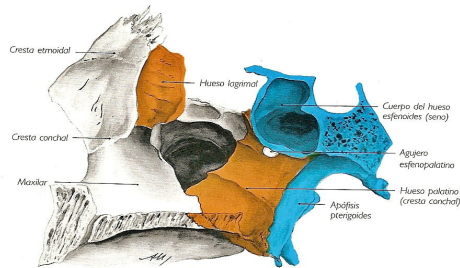
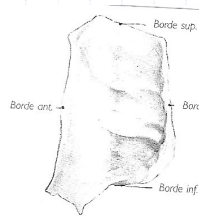
## HUESO CIGOMÁTICO



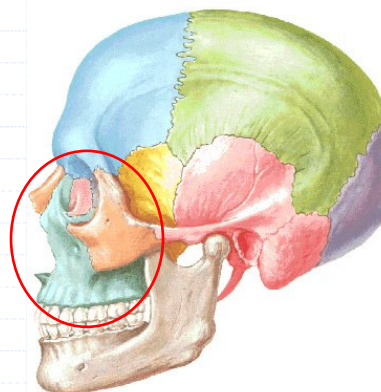
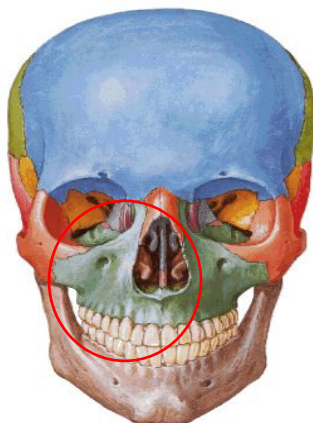
# HUESO LAGRIMAL

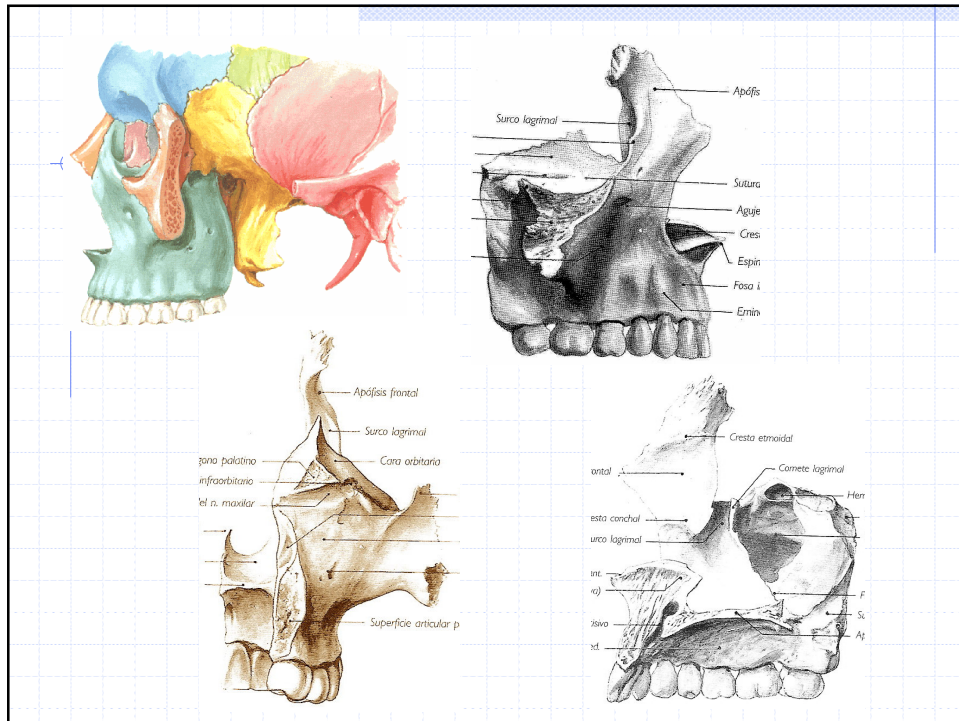


• Hueso lagrimal (visión lateral).

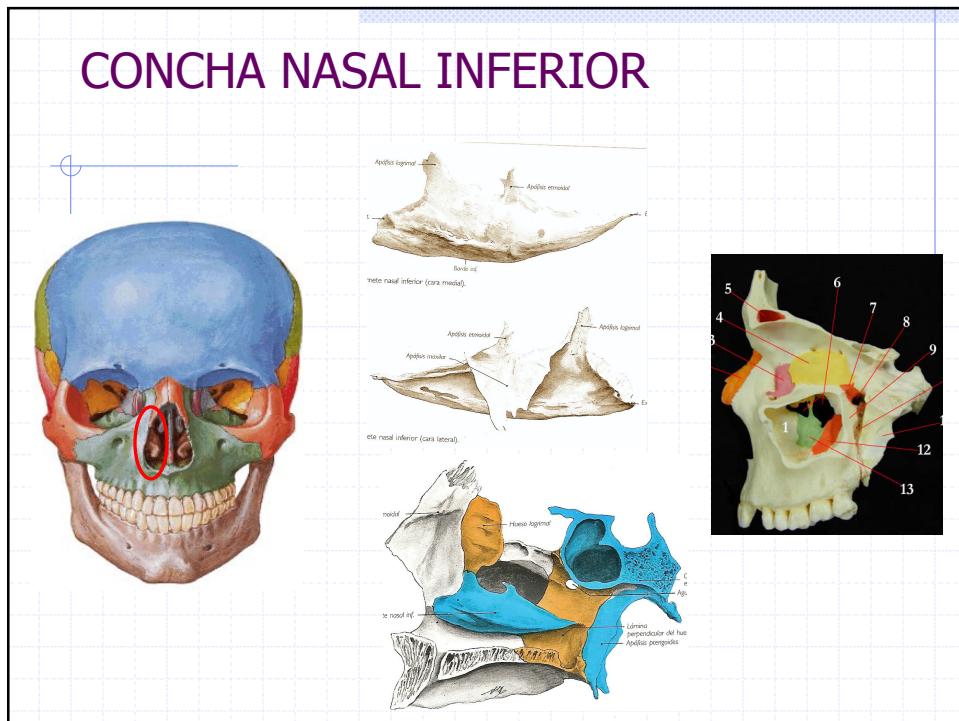


# HUESO MAXILAR



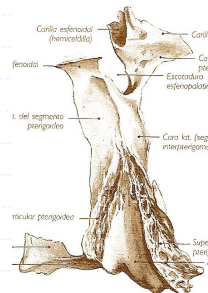
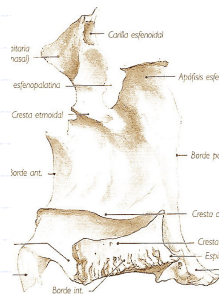
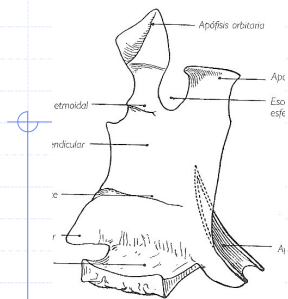
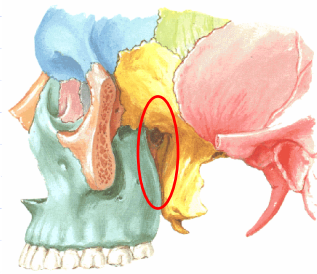
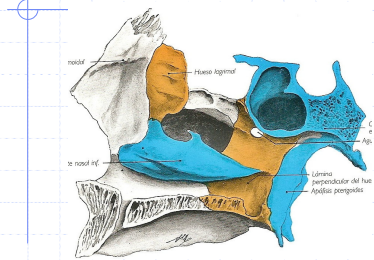


## CONCHA NASAL INFERIOR

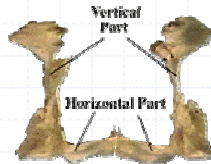




# HUESO PALATINO

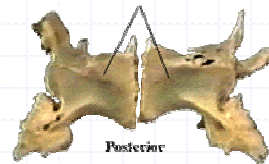


Posterior View

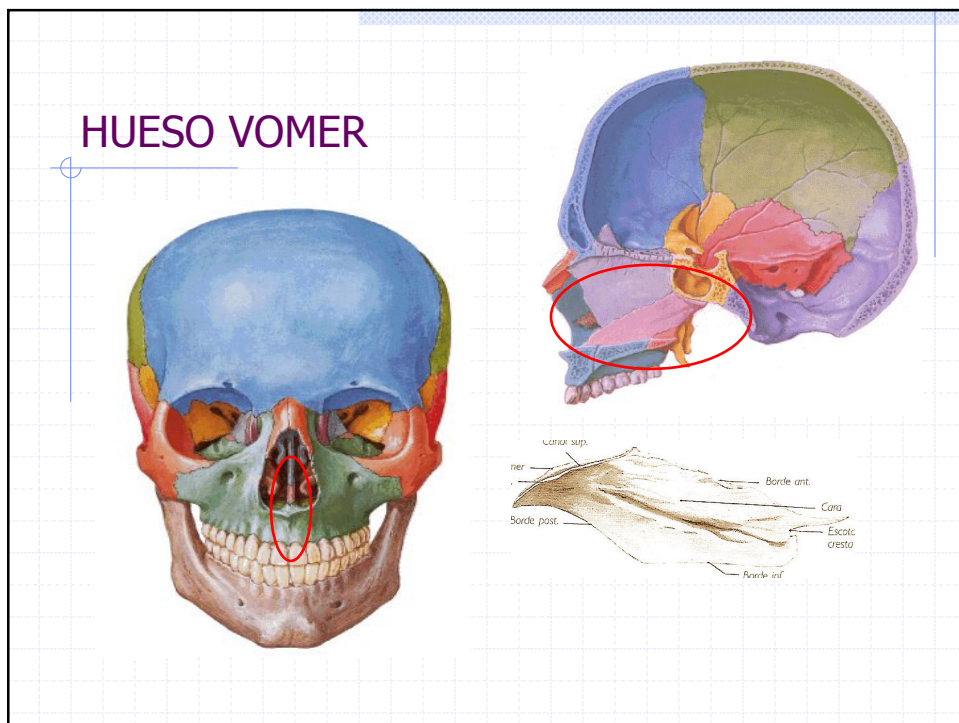
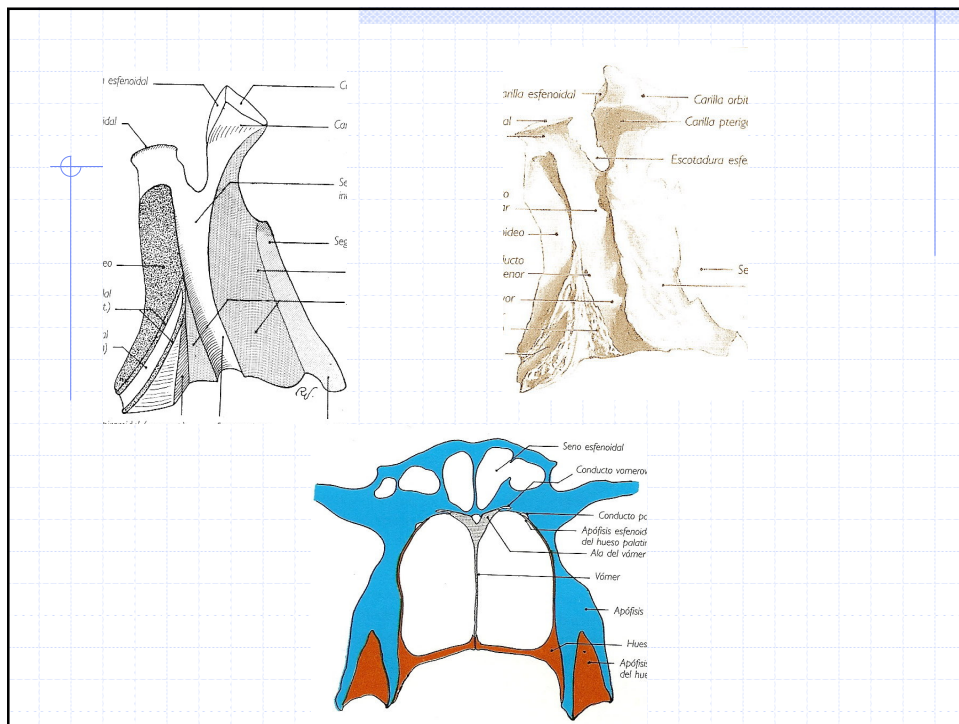


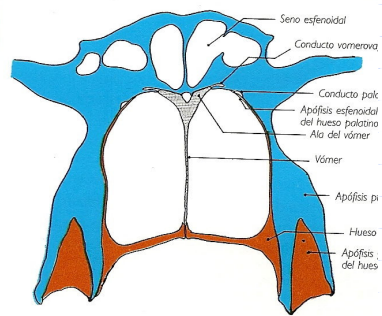
Left Right

Inferior View

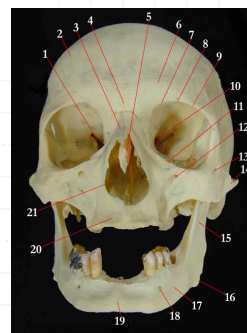
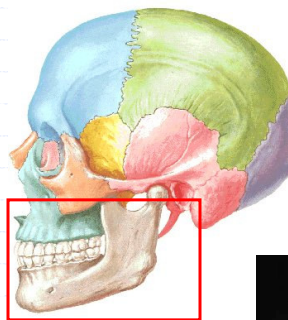
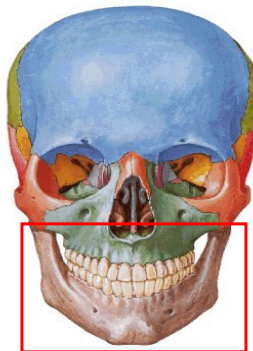
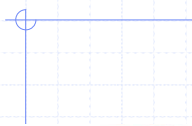


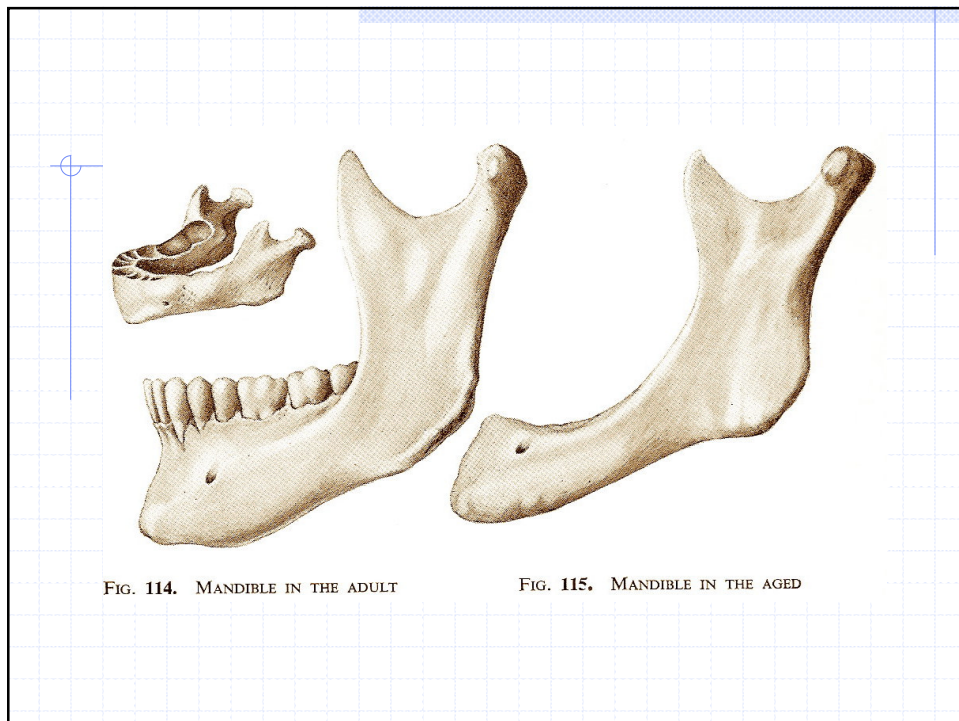
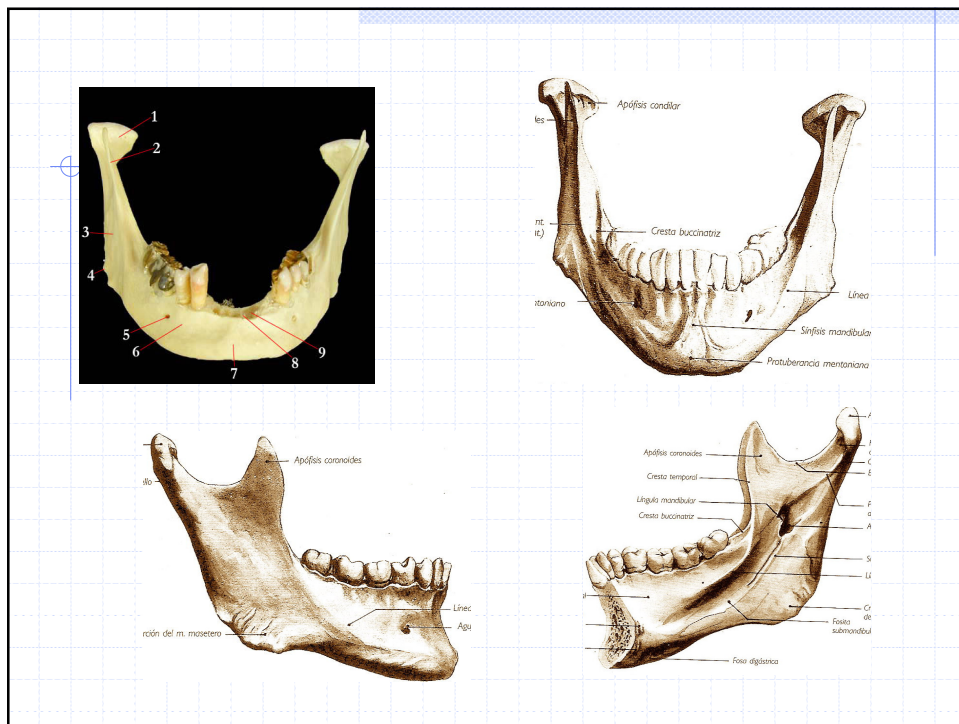
Right Left





## MANDIBULA



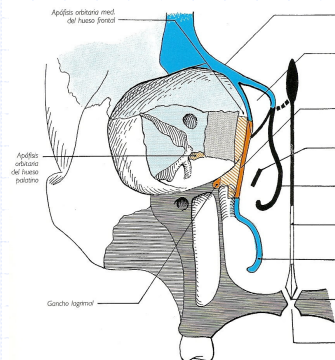
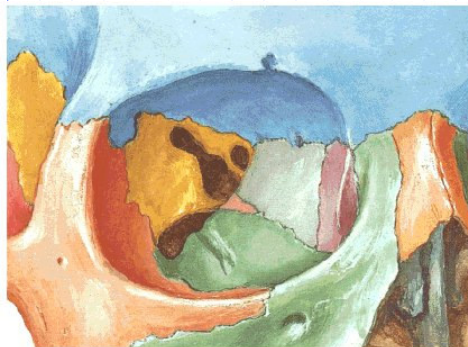




## REGIONES COMUNES A CRÁNEO Y CARA

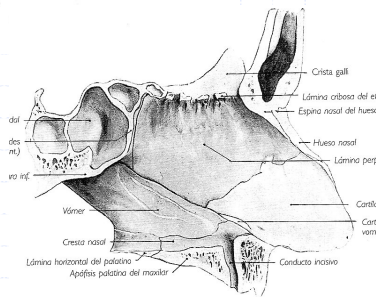
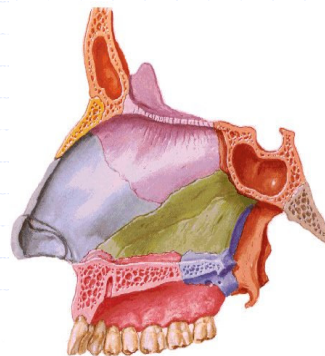
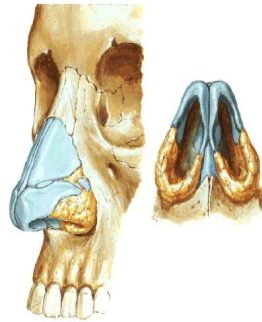
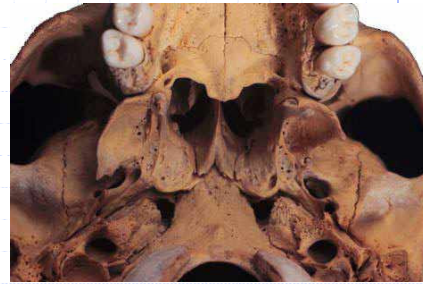
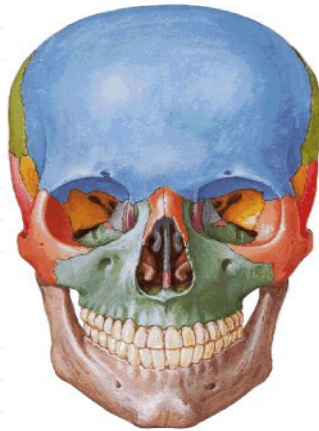
- ◆Orbita.
- ◆Cavidad Nasal.
- ◆Fosa Pterigoídea.
- ◆Fosa Infratemporal.
- ◆Fosa Pterigopalatina.

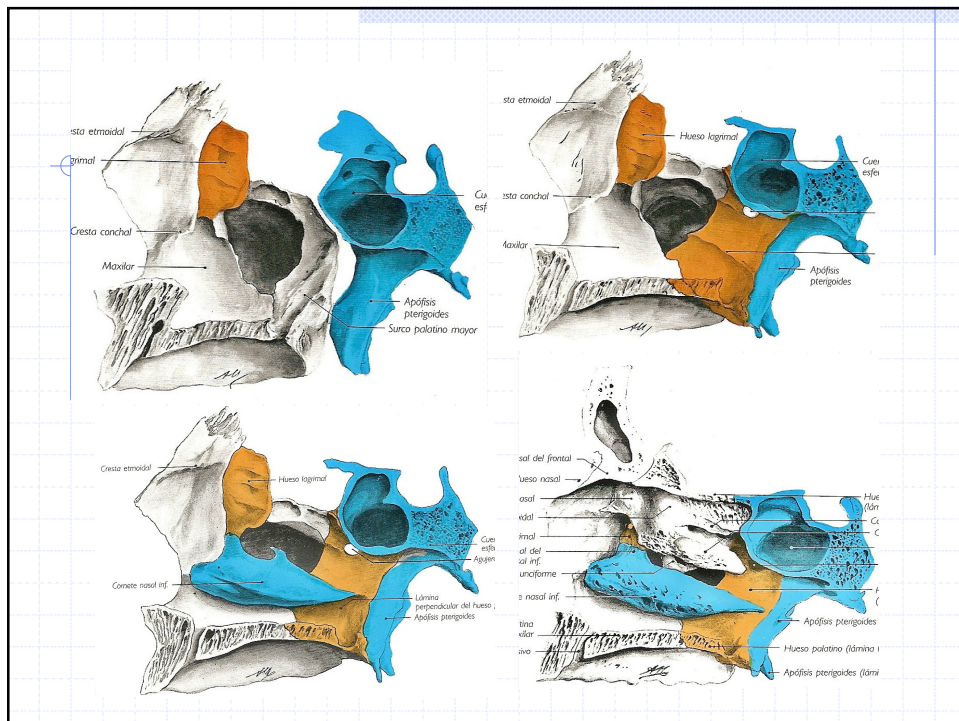
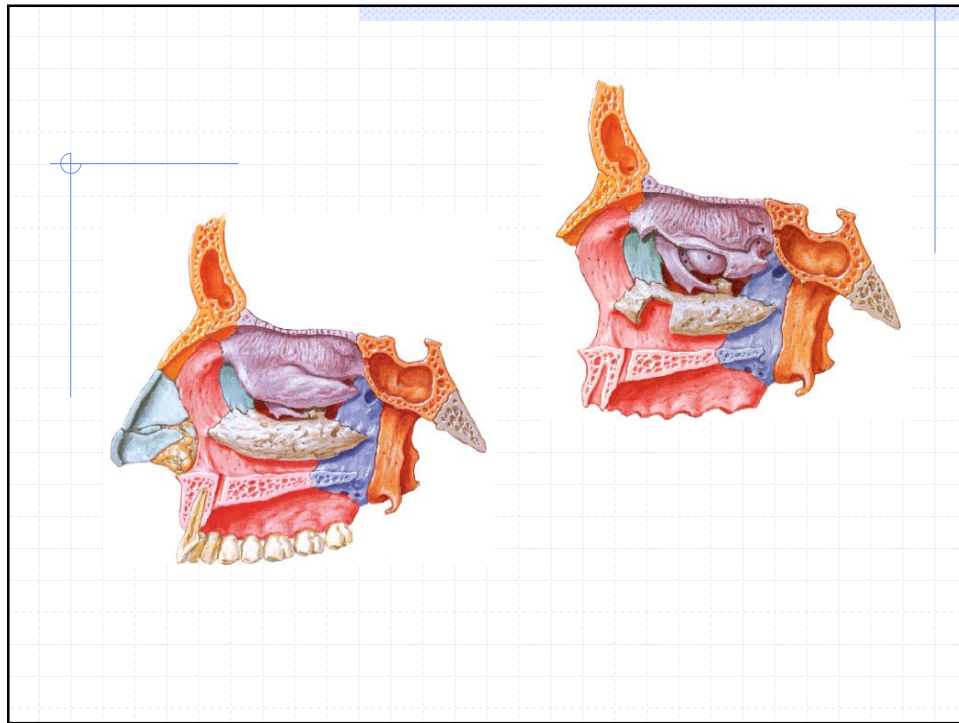
## ORBITA



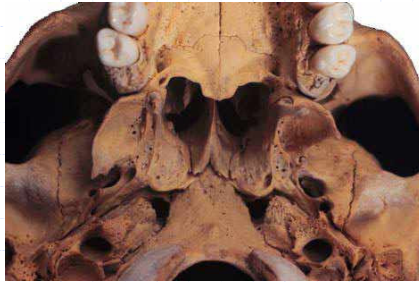


## CAVIDAD NASAL

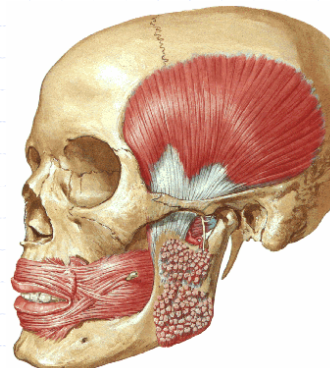
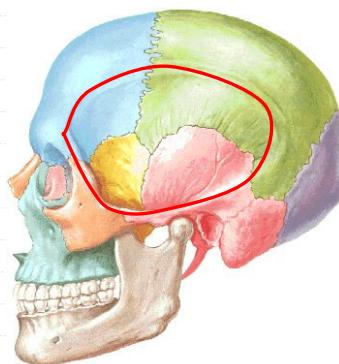




## FOSA PTERIGOÍDEA

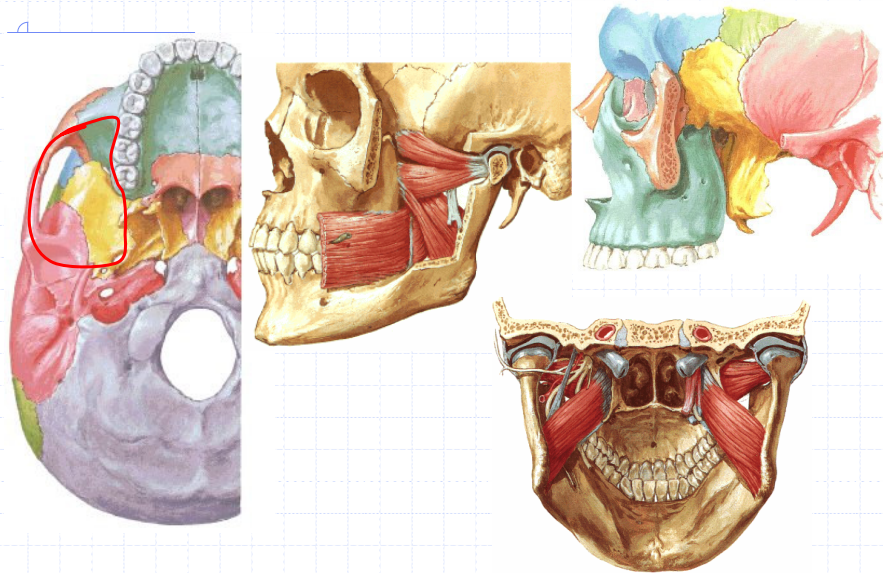


## FOSA TEMPORAL

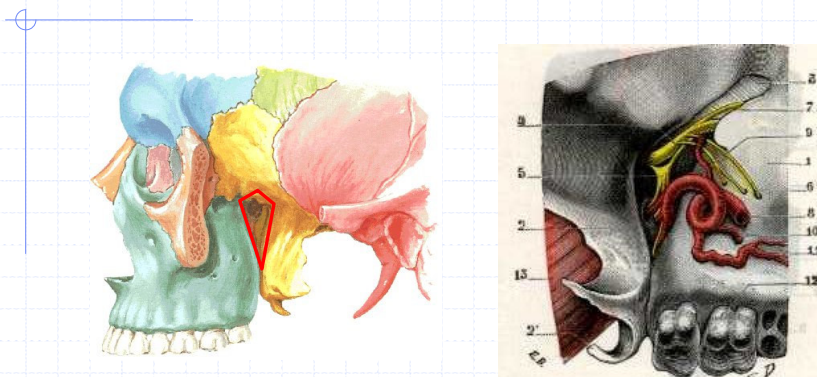




## FOSA INFRATEMPORAL



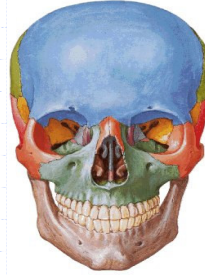
## FOSA PTERIGOPALATINA



## ARTROLOGIA DE LOS HUESOS DE LA CARA

### ◆ Articulaciones fibrosas:

- Suturas.
- Gonfosis.
- Esquindelesis.

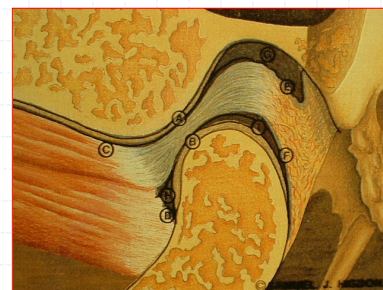
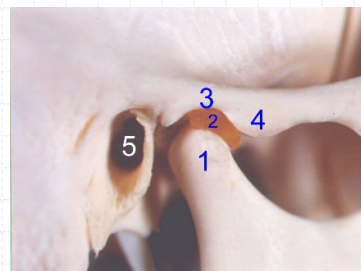
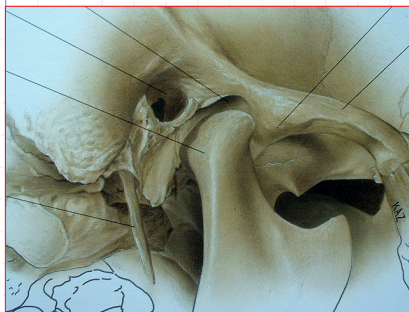


### ◆ Articulacion sinovial:

- ATM.



## Articulacion temporo-mandibular (ATM)





## Superficies articulares

