

1. Anterior 2/3rd of tongue is formed by lateral lingual swellings of first arch with a little portion in front of foramen caecum by tuberculum impar.
2. Posterior 1/3rd of the tongue is formed by 3rd pharyngeal arch along with the hypobranchial eminence and most posterior portion of the tongue which is in front of the epiglottis develops from the fourth arch
3. The extrinsic and intrinsic muscles of the tongue develop from 3-4 occipital myotomes.

Sensory nerve supply for the anterior 2/3rd of tongue:

1. General sensation from anterior 2/3rd is carried by the lingual nerve, branch of the mandibular nerve.
2. Special sensation of taste is carried by chorda tympani branch of facial.

Sensory nerve supply for posterior 1/3rd of tongue:

3. Both general and special sensations are carried by glossopharyngeal nerve.
4. 4th arch also gives contribution to the tongue and general & special senses from most posterior part of tongue, just in front of epiglottis are carried by superior laryngeal nerve.

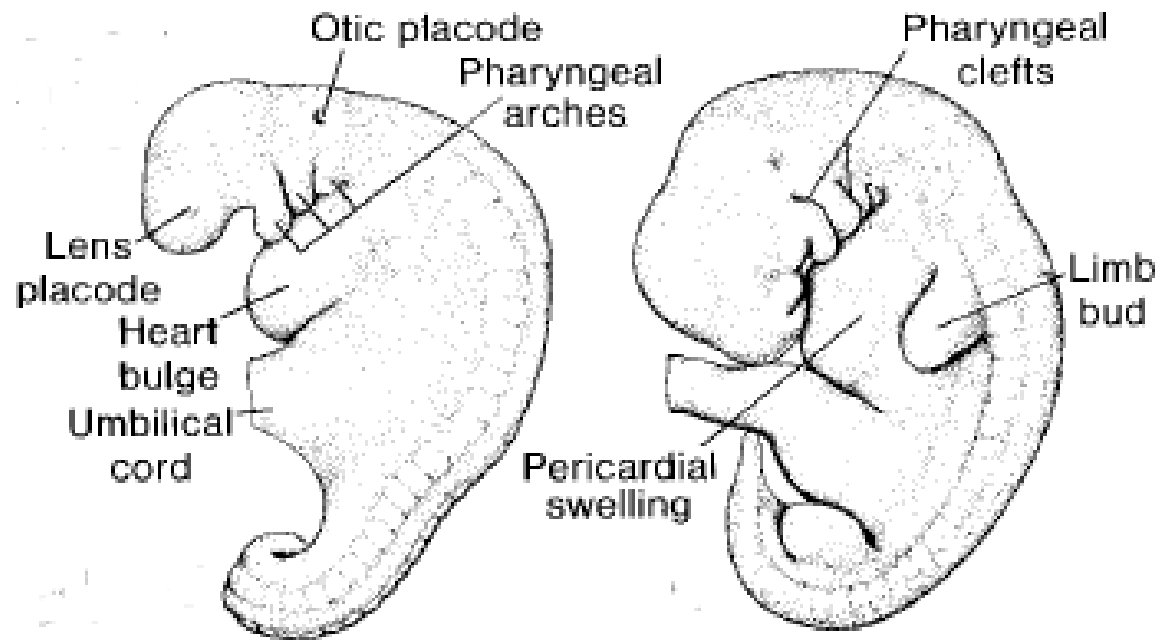
Motor nerve supply of tongue:

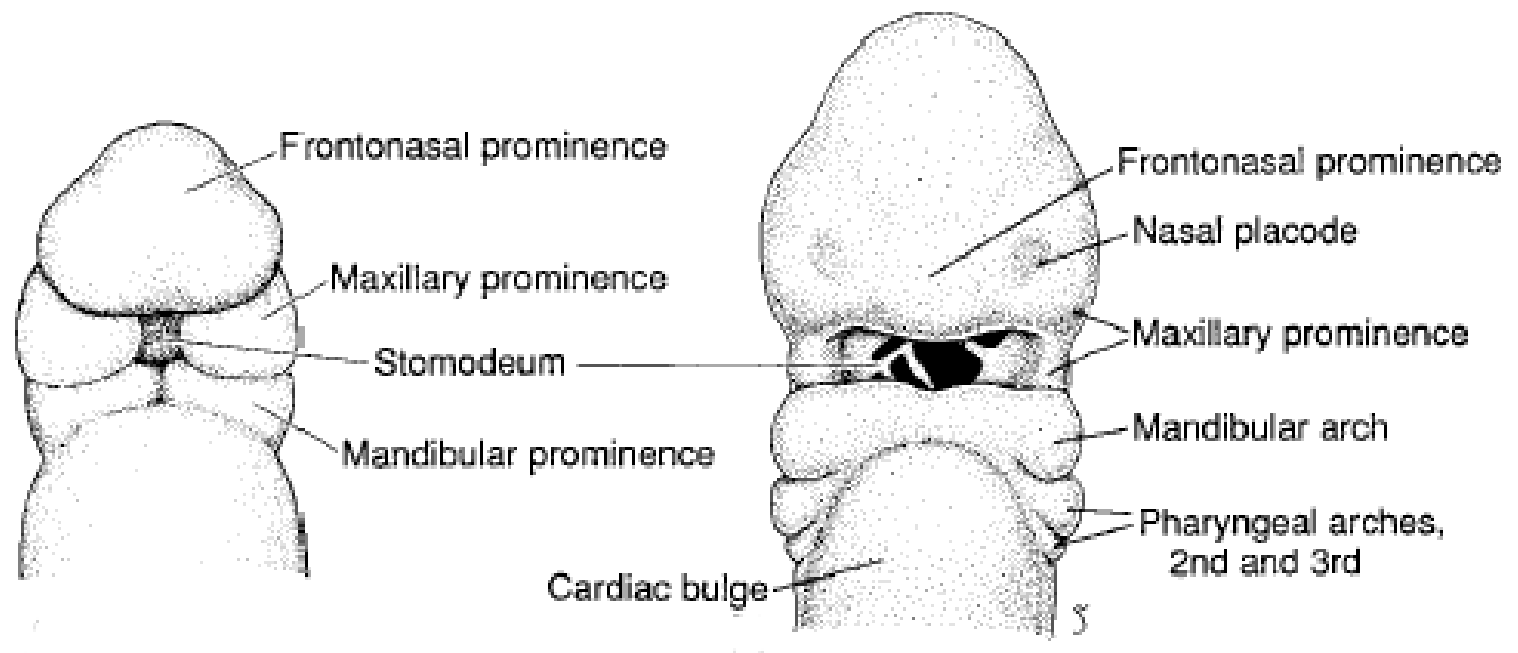
All the extrinsic and intrinsic muscles of tongue are supplied by the hypoglossal nerve except

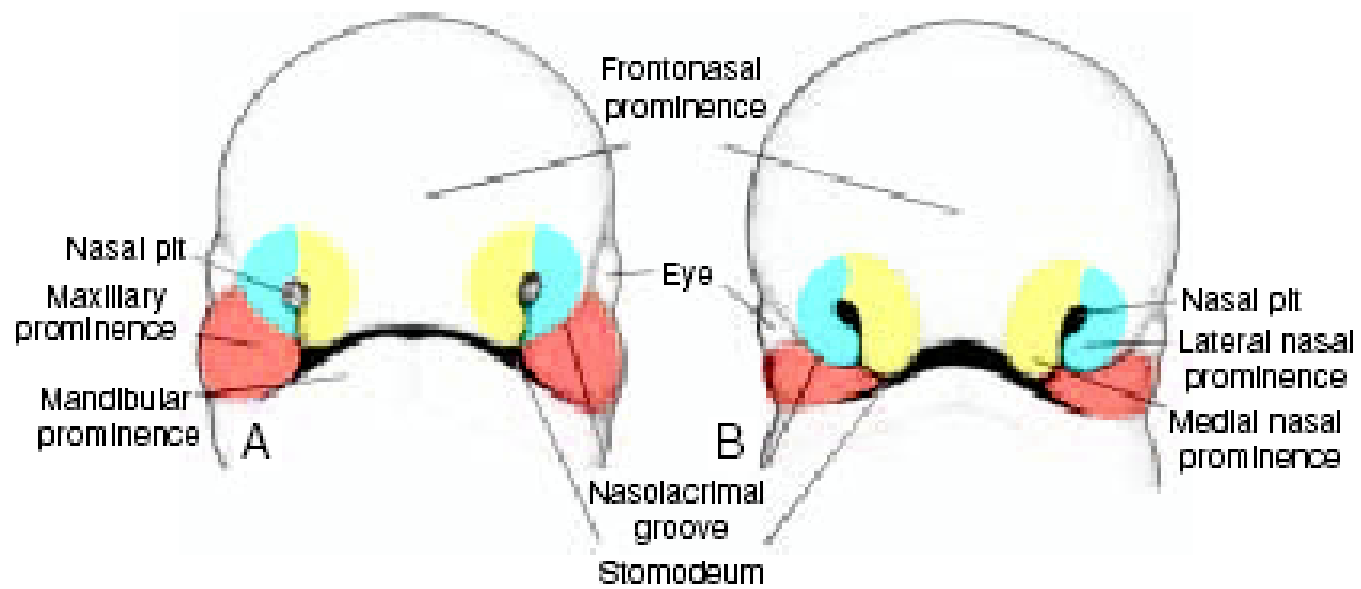
the **palatoglossus** muscle, which is supplied by cranial part of the accessory nerve.

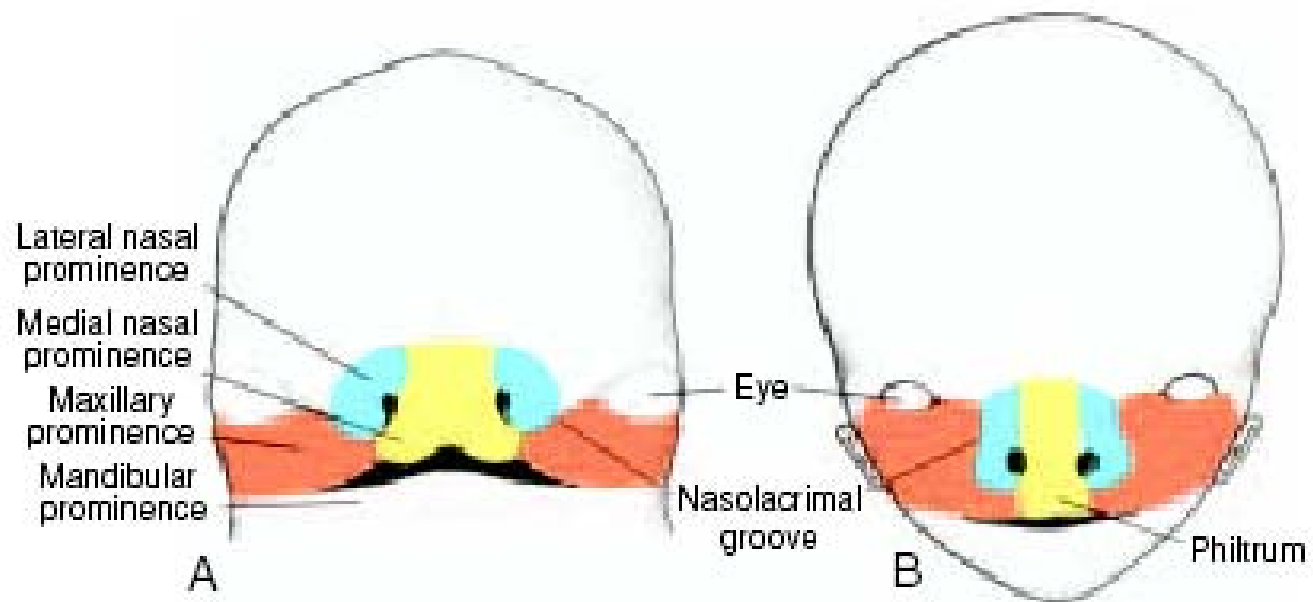
Congenital Anomalies of Tongue

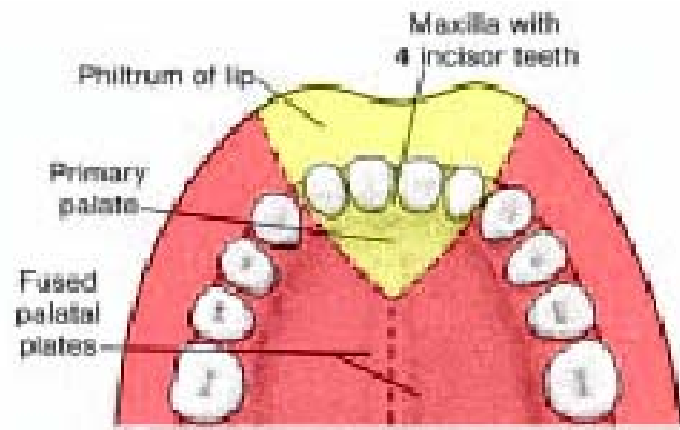
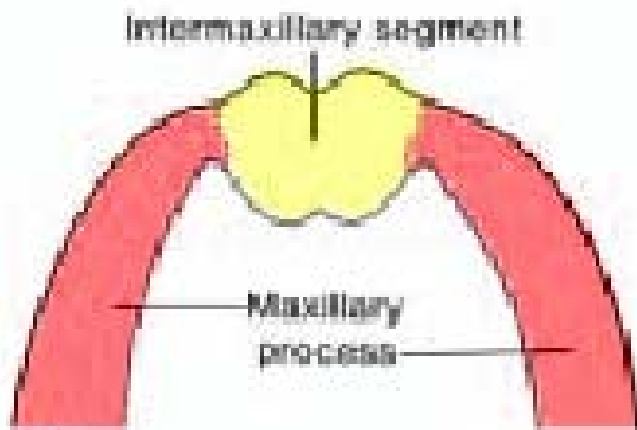
1. Aglossia
2. Microglossia
3. Macroglossia
4. Tongue Tie
5. Bifid Tongue
6. Trifid Tongue







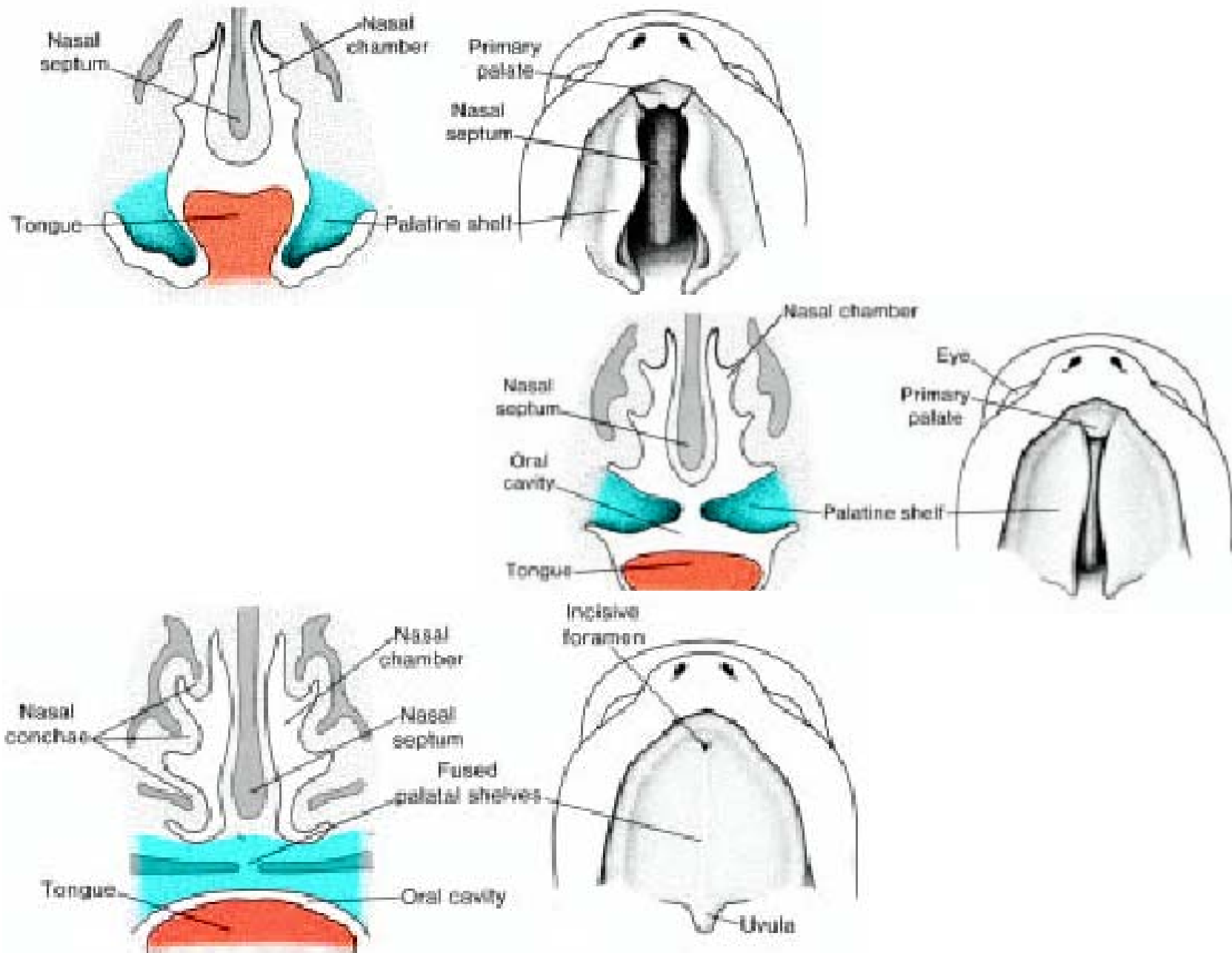


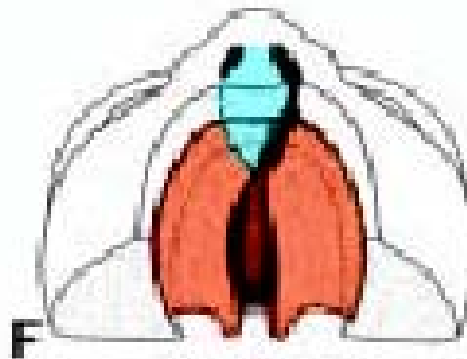
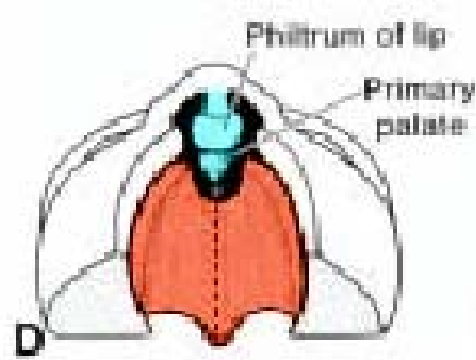
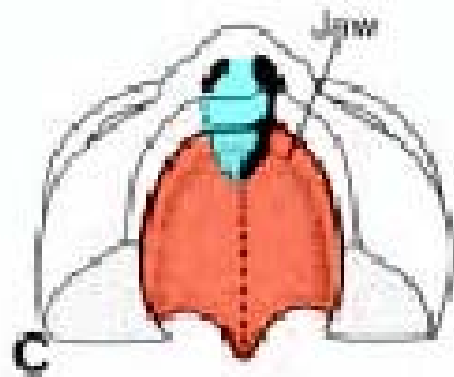
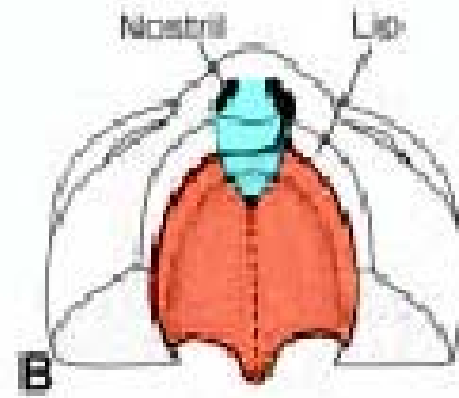
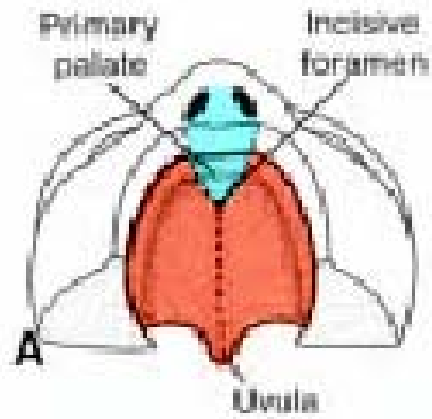


Embryonic Part

Derivatives

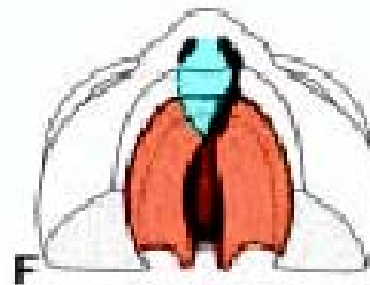
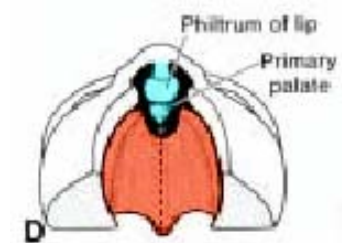
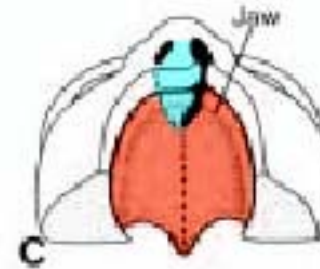
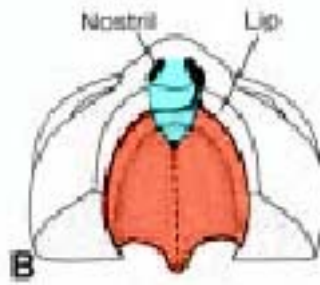
		Face Areas	Bones
1.	Frontonasal process	Forehead	Frontal
2.	Median Nasal process	Nasal septum Frenulum of Upper lip & premaxilla	Perpendicular part of ethmoid, vomer
3.	Lateral nasal process	Ala of nose	Frontal process of maxilla lacrimal bone
4.	Junction of lateral nasal process with maxillary process	Nasolacrimal duct	-
5.	Maxillary process	Philtrum, upper lip, upper cheek region	Maxilla and zygo- matic bone
6.	Mandibular process	Lower lip, gum chin, lower cheek region	Mandible

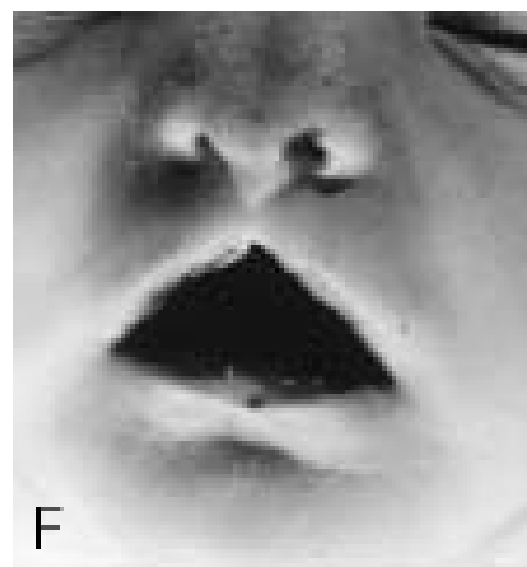




Congenital Anomalies of Palate

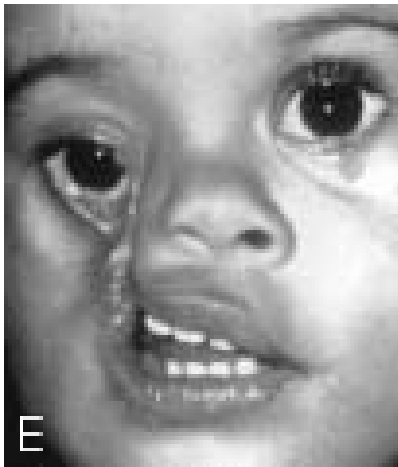
- A. Incomplete
- i. Anterior cleft palate
 1. Unilateral
 2. Bilateral(With or without cleft lip)
 - ii. Posterior cleft palate
 1. Hard Palate
 2. Soft Palate
 3. Uvula
- B. Complete cleft palate
- i. Unilateral
 - ii. Bilateral
- (With or without cleft lip)





Congenital Anomalies of face

1. Oblique facial cleft
2. Microstomia
3. Macrostomia



4. Micrognathus

5. Macrogathus

6. Cleft lip

- i. Lateral upper cleft lip
- ii. Bilateral upper cleft lip
- iii. Midline upper cleft lip
- iv. Lower cleft lip

