

# Infratemporal Fossa

The subtemporal fossa is the caudal continuation of the temporal fossa. The name comes from the relation to the m. temporalis. The fossa continues as fossa pterygopalatina.

## Boundary

**Cranially:** facies infratemporalis ossis sphenoidalis, pars squamosa ossis temporalis

**Ventrally:** tuber maxillae

**Dorsally:** spatium prestyloideum

**Medially':** lamina lateralis processus pterygoidei ossis sphenoidalis, processus pyramidalis ossis palatini

**Lateral:** ramus mandibulae

## Passages

### Foramen ovale'

- third branch of the trigeminal nerve - nervus mandibularis
- venous connections - plexus venosus foraminis ovalis

### Foramen spinosum'

- branch from the third branch of the trigeminal nerve - ramus meningeus
- middle meningeal artery, middle meningeal vein

### Foramen mandibulae'

- nervus, arteria et vena alveolaris inferior

### Fissura pterygomaxillaris'

- venous tributaries to plexus pterygoideus
- maxillary artery

### Fissura petrotympanica'

- anterior tympanic artery and vein
- chorda tympani

### Foramen lacerum'

- synchondrosis sphenopetrosa

### Foramen petrosum'

- minor petrosal nerve

### Foramina alveolaria tuberis maxillae'

- rami alveolares superiores posteriores

## Contents

- m. pterygoideus medialis et lateralis
- m. temporalis
- a. maxillaris and its branches: a. meningea media, a. alveolaris inferior, a. buccalis, a. temporales profundae, a. tympanica anterior and muscle branches in the pars pterygoidea
- pterygoid plexus
- n. mandibularis and its branches: n. auriculotemporalis, n. alveolaris inferior, n. lingualis, n. buccalis and then chorda tympani, n. petrosus minor
- otic ganglion
- corpus adiposum buccae – fat body filling the cheeks

## Links

## Related Articles

- Skull Spaces
- Pterygopalatine fossa
- Temporal Fossa

## References

- ČIHÁK, Radomír. *Anatomy 1*. 3. edition. Grada, 2011. 552 pp. ISBN 978-80-247-3817-8.
- GRIM, Miloš – DRUGA, Rastislav. *Fundamentals of Anatomy : 5. Anatomy of body landscapes*. 1. edition. Galen, 2008. 119 pp. ISBN 978-80-7262-179-8.
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