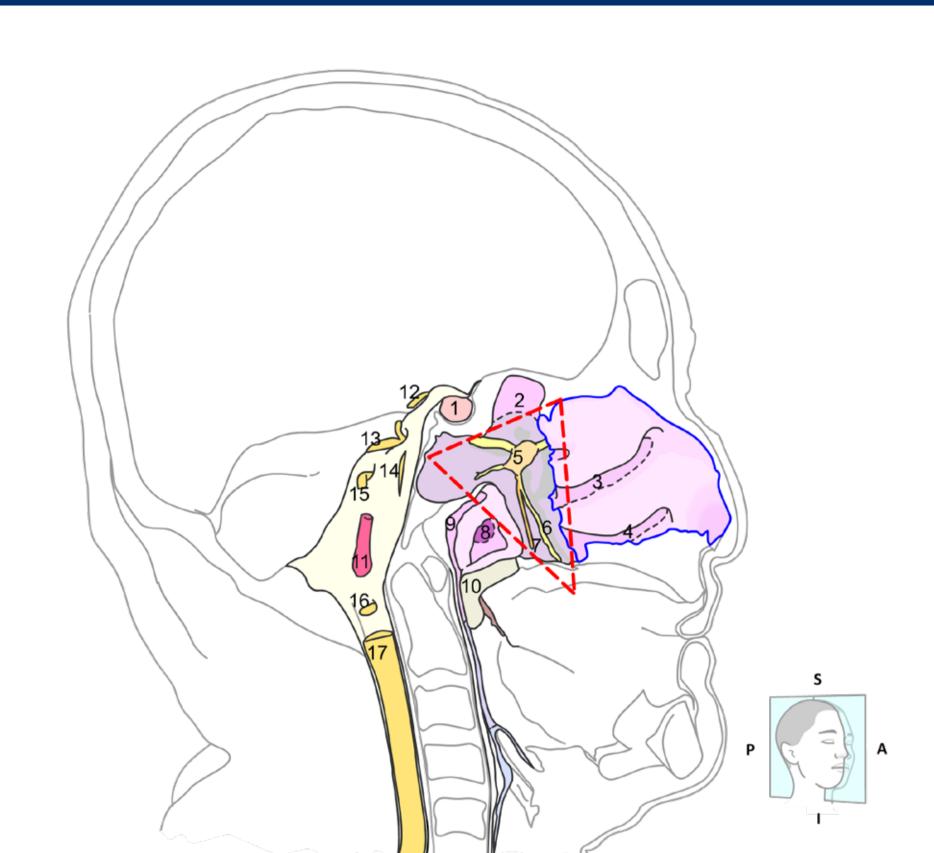
## PTERYGOPALATINE FOSSA



Sagittal section of the skull, showing cranial cavity and pterygopalatine fossa (outlined in red) & nasal cavity (outlined in blue)

1. Pituitary gland Sphenoid sinus 3. Middle meatus Nasal cavity Inferior meatus Pterygopalatine ganglion Pterygo-6. Greater palatine nerve palatine ' fossa 7. Lesser palatine nerve Pharyngotympanic tube 8. opening (Eustachian tube) Pharyngeal recess 9. (Fossa Rosenmuller) 10. Soft palate Vertebral artery 12. CN II Optic nerve 13. CN III Oculomotor nerve Cranial 14. CN V Trigeminal nerve Nerves<sup>-</sup> 15. CN VI Abducent nerve 16. Spinal accessory nerve

17. Spinal cord

1. The **Pharyngeal recess** is a deep

behind the ostium of the pharyngotympanic (Eustachian) tube that connects the middle ear cavity (tympanum) with the nasopharynx. It aerates the middle ear system and clears mucus from the middle ear into the nasopharynx.

2. Pterygopalatine ganglion is the largest

recess

- parasympathetic ganglion in the head & neck. It is suspended by nerve roots from the maxillary nerve. It contains the cell bodies of the parasympathetic ganglion cells supplying the lacrimal gland, mucous glands of the palates as well as that in the nasal cavity. The preganglionic parasympathetic fibers are derived from the seventh cranial nerve or facial nerve via its branch termed the greater petrosal nerve.

  3. The pterygopalatine ganglion is sometimes
- Clinical Correlation The pharyngeal recess (Fossa

called the "ganglion of hay-fever".

Rosenmuller) which lies posterior to the opening of the pharyngotympanic tube (Eustachian tube) is the common site of nasopharyngeal carcinoma (NPC).

Kindly ignore numbering in the actual specimen