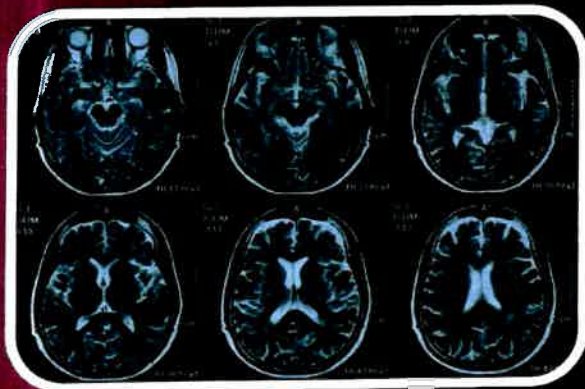


Radiological Anatomy: Practice Cases



Authored By The Faculty of Conceptual Radiology

Radiological Anatomy: Practice Cases

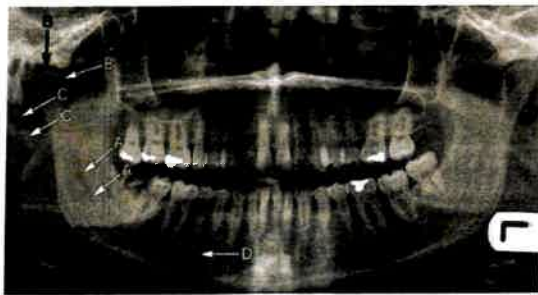


Table of Content

<u>Chapter Name</u>	<u>Page No.</u>
1. Radiological Anatomy: Brain & Head-Neck.....	1
2. Radiological Anatomy: Thorax	20
3. Radiological Anatomy: Musculoskeletal System.....	27
4. Radiological Anatomy: Abdomen	38

Radiological Anatomy: Brain & Head-Neck

Image - 1



Orthopantomogram (OPG)

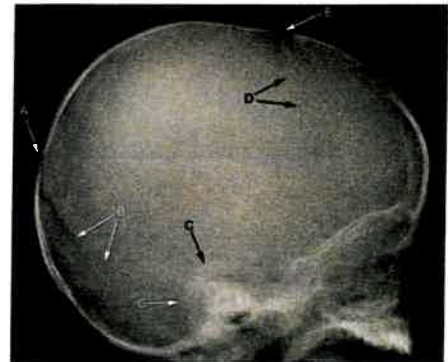
- A. Right inferior alveolar canal.
- B. Right mandibular condyle.
- C. Right styloid process.
- D. Right mental foramen.

Image - 2



- A. Soft palate.
- B. Epiglottis.
- C. Hyoid bone.
- D. Thyroid cartilage.
- E. Trachea.

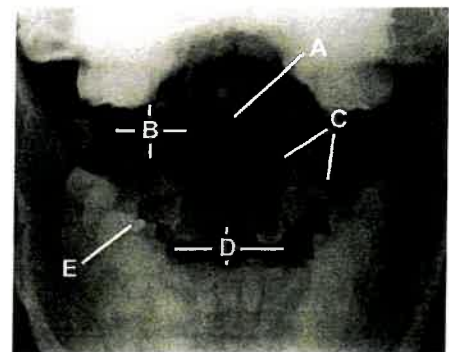
Image - 3



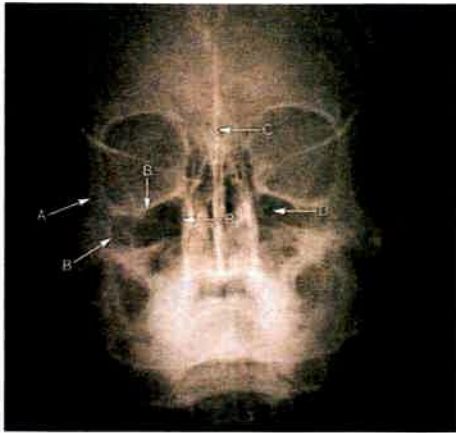
Lateral X-ray of skull

- A. Posterior fontanelle.
- B. Lambdoid suture.
- C. Pinna.
- D. Coronal suture.
- E. Anterior fontanelle.

Image - 4

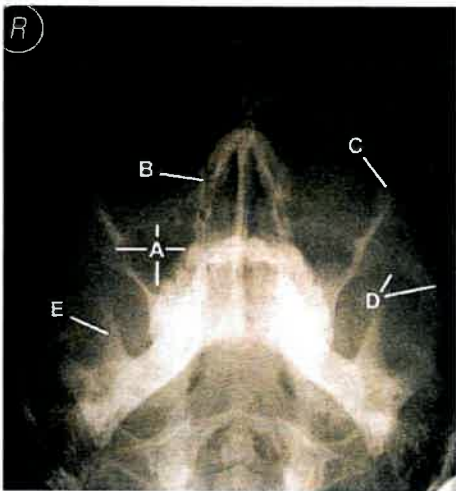


- A. Dens (odontoid peg) of C2
- B. Lateral mass of C1
- C. Superior articular facet of C2
- D. C2-3 interspace
- E. Reparative 'filling' in left lower molar tooth

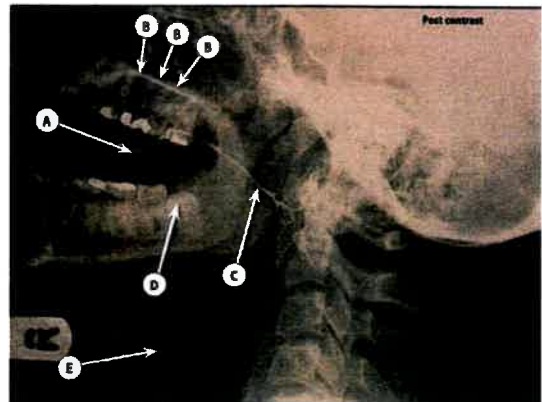
Image - 5

PA X-ray of the skull

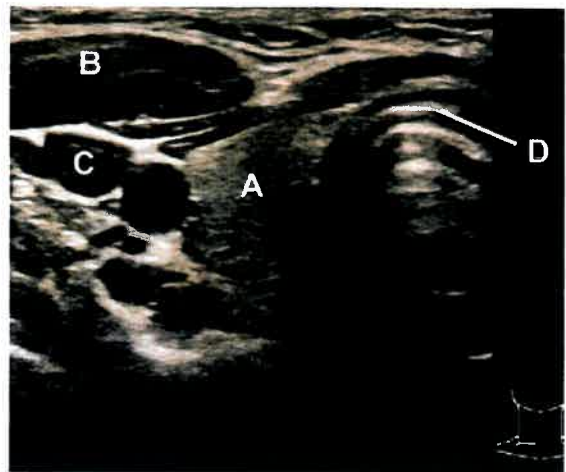
- A. Frontal process of the right zygomatic bone.
- B. Right maxillary antrum.
- C. Crista galli.
- D. Left foramen rotundum.

Image - 6

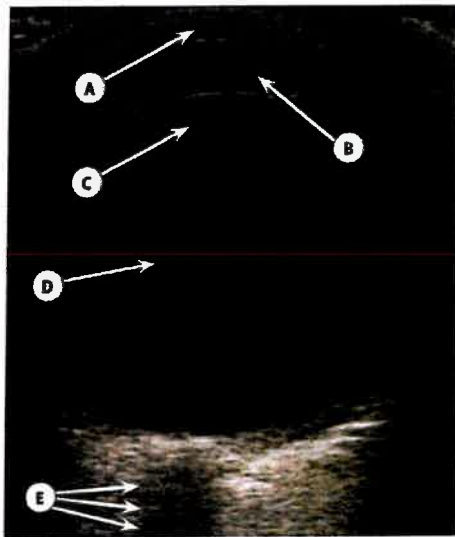
- A. Maxillary sinus
- B. Lamina papyracea
- C. Fronto-zygomatic suture
- D. Zygomatic arch
- E. Coronoid process of mandible

Image - 7

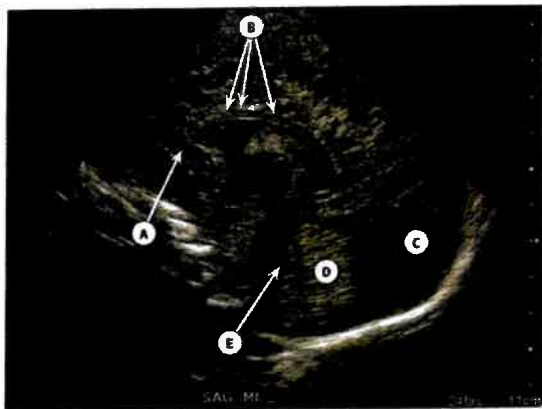
- A. Catheter with contrast
- B. Palatine process of maxilla
- C. Oral vestibule opposite to the second upper molar tooth
- D. Crown of unerupted right inferior third molar tooth (right lower eighth tooth)
- E. Body of the hyoid bone

Image - 8

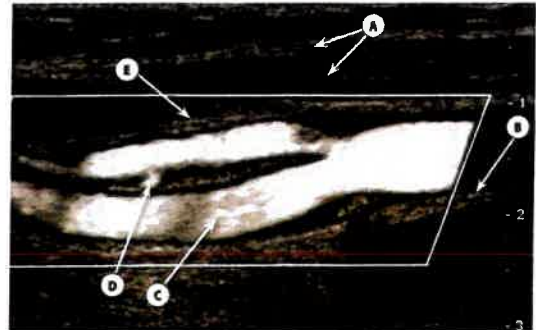
- A. Right lobe of thyroid
- B. Sternocleidomastoid muscle
- C. Internal jugular vein
- D. Tracheal ring

Image - 9

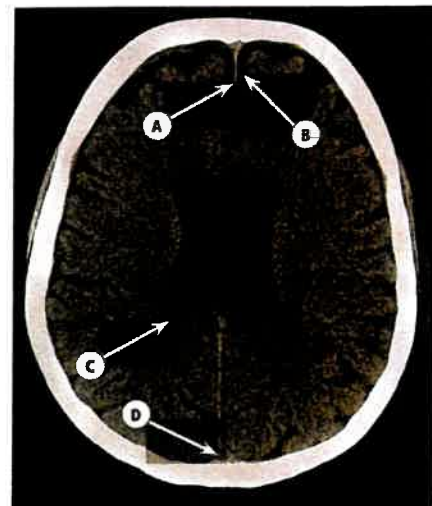
- A. Cornea
- B. Aqueous humour
- C. Lens
- D. Vitreous humour
- E. Optic sheath

Image - 10

- A. Cingulate gyrus
- B. Body of corpus callosum
- C. Occipital lobe
- D. Cerebellum
- E. Fourth ventricle

Image - 11

- A. Sternocleidomastoid muscle fibres
- B. Intima of the common carotid artery
- C. Internal carotid artery
- D. Ascending pharyngeal artery
- E. Adventitia of the external carotid artery

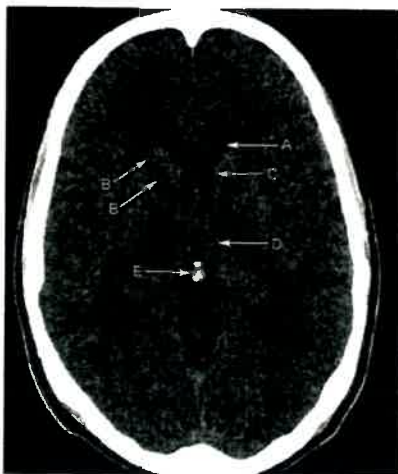
Image - 12

- A. Falx cerebri
- B. Interhemispheric fissure
- C. Occipital horn of the right lateral ventricle
- D. Superior sagittal sinus

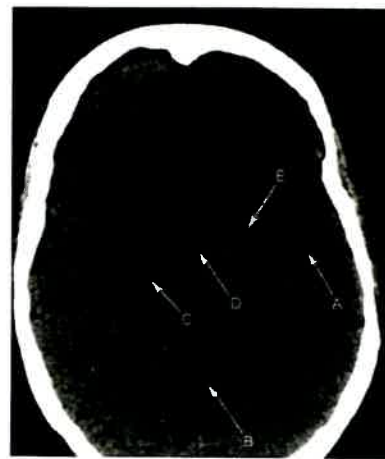
Image - 13

Axial CT of the brain

- A. Left sylvian fissure.
- B. Cerebellar vermis.
- C. Posterior limb of the right internal capsule.
- D. Third ventricle.
- E. Left lentiform nucleus.

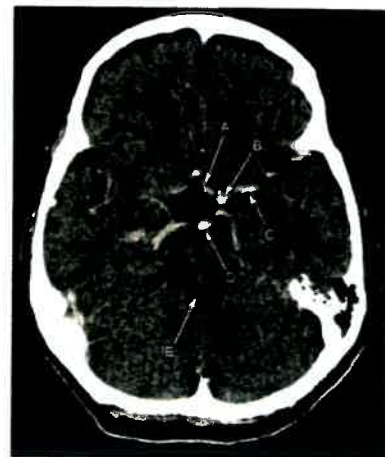
Image - 14

- A. Frontal horn of the left lateral ventricle.
- B. Anterior limb of the right internal capsule.
- C. Head of the left caudate nucleus.
- D. Left thalamic nucleus.
- E. Pineal gland.

Image - 15

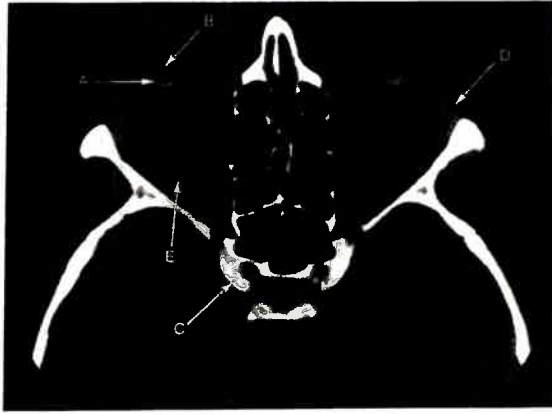
Axial CT of the brain

- A. Falx cerebri.
- B. Right middle cerebellar peduncle.
- C. Right cerebellar hemisphere.
- D. Left tentorium cerebelli.
- E. Pons.

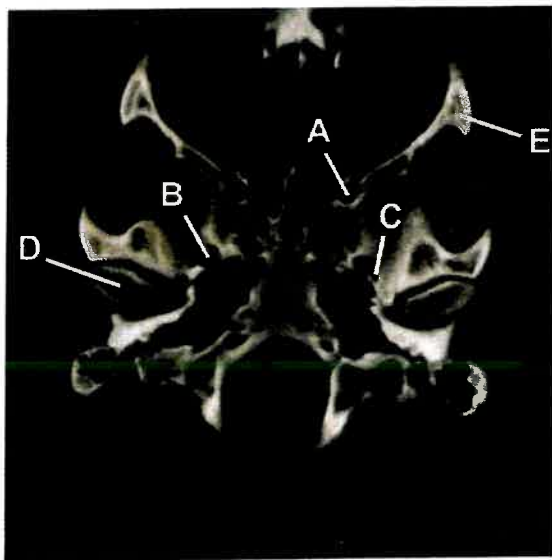
Image - 16

Axial CT of the brain with IV contrast

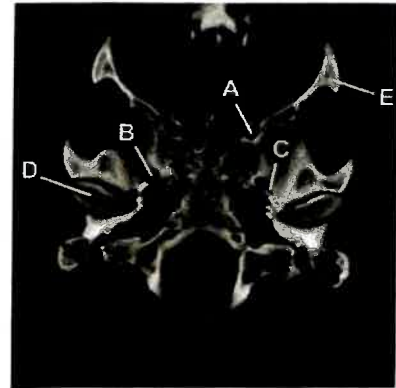
- A. Left anterior cerebral artery.
- B. Left internal carotid artery.
- C. Left middle cerebral artery.
- D. Basilar artery
- E. Aqueduct of Sylvius.

Image - 17**Axial CT of the orbits**

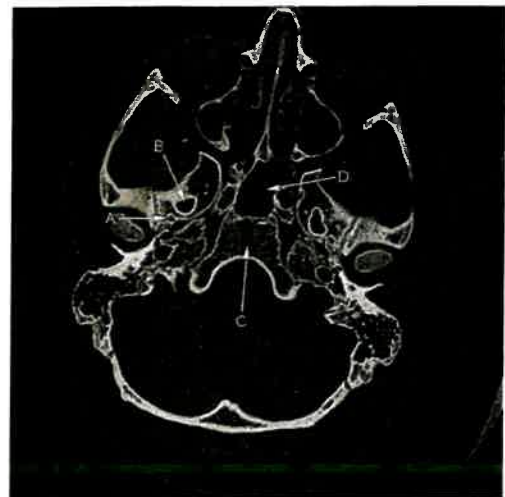
- A. Right lens.
- B. Right cornea.
- C. Right anterior clinoid process.
- D. Inferior pole of the left lacrimal gland.
- E. Right intraconal fat.

Image - 18

- A. Right incudomalleolar joint
- B. Right internal auditory canal
- C. Left cochlea
- D. Left vestibulum
- E. Facial nerve (VII)

Image - 19

- A. Foramen rotundum
- B. Foramen ovale
- C. Foramen spinosum
- D. Condylar process of the mandible
- E. Frontal process of the zygoma

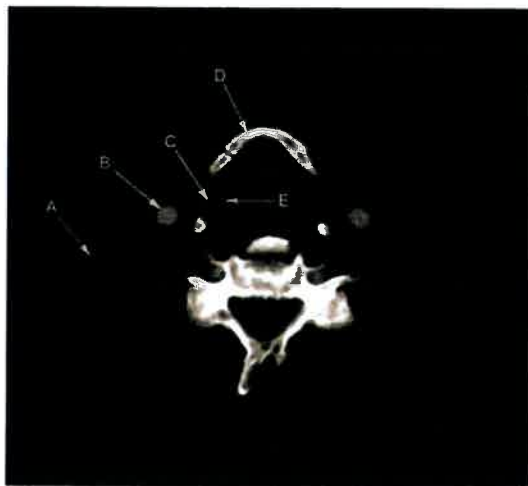
Image - 20

- A. Right foramen spinosum.
- B. Right foramen ovale.
- C. Clivus.
- D. Sphenoid sinus.

Image - 21

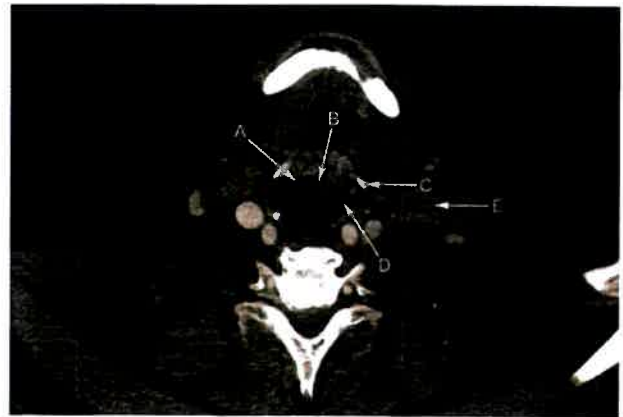
Axial CT of the cervical spine

- A. Right mandible.
- B. Right transverse process of atlas (C1).
- C. Nasopharynx
- D. Dens
- E. Left foramen transversarium

Image - 22

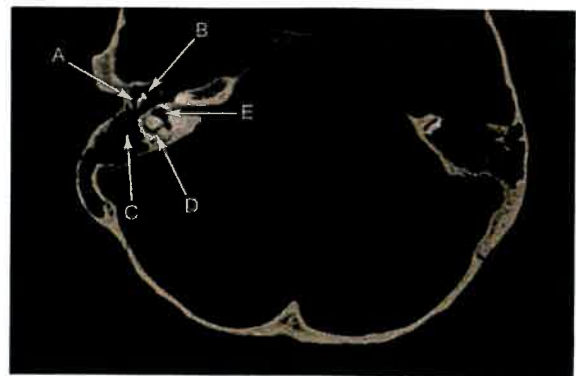
Axial CT of the neck with IV contrast

- A. Right external jugular vein.
- B. Right common carotid artery.
- C. Right piriform fossa.
- D. Hyoid bone.
- E. Right aryepiglottic fold.

Image - 23

Axial CT of the neck with IV contrast

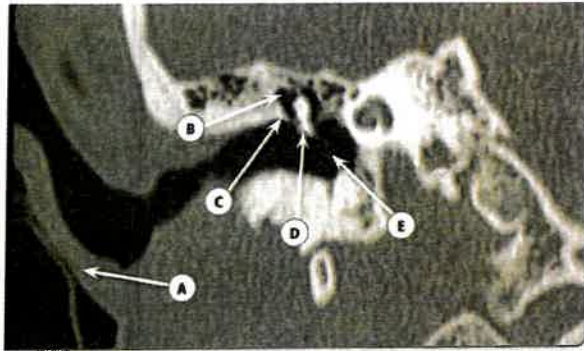
- A. Right external jugular vein.
- B. Right common carotid artery.
- C. Right piriform fossa.
- D. Hyoid bone.
- E. Right aryepiglottic fold.

Image - 24

Axial CT of the auditory canal

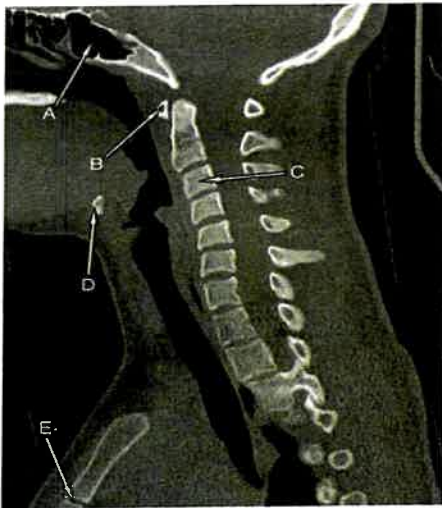
- A. Right incus.
- B. Right malleus.
- C. Right mastoid air cells.
- D. Right semicircular canal.
- E. Right vestibule.

Image - 25



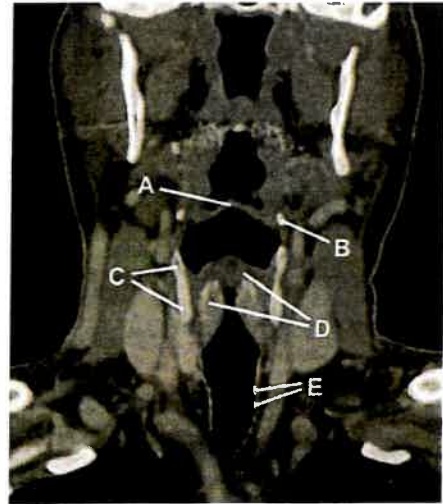
- A. Pinna of the right ear
- B. Epitympanum
- C. Scutum
- D. Manubrium of the malleus
- E. Tympanic membrane

Image - 26



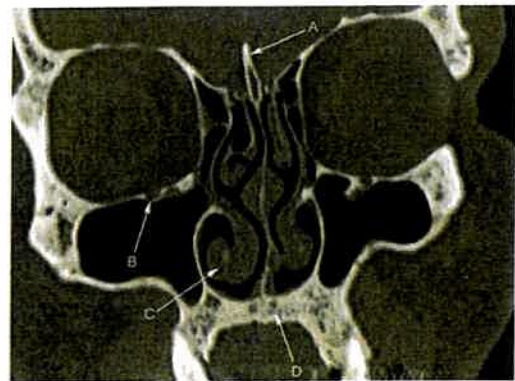
- A. Sphenoid sinus
- B. Anterior arch of atlas
- C. Body of C3 vertebra
- D. Hyoid bone
- E. Manubrio-sternal joint

Image - 27

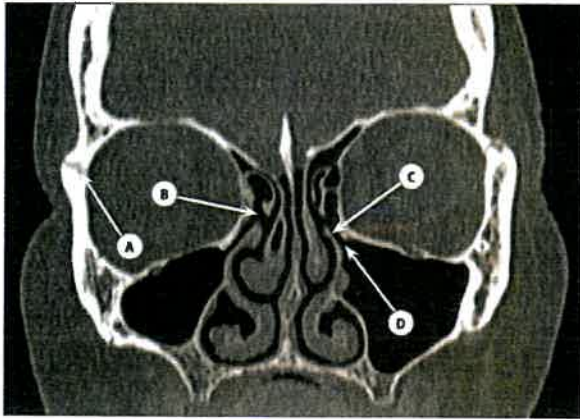


- A. Epiglottis
- B. Greater horn of hyoid bone
- C. Thyroid cartilage
- D. Vocal cords
- E. Tracheal rings

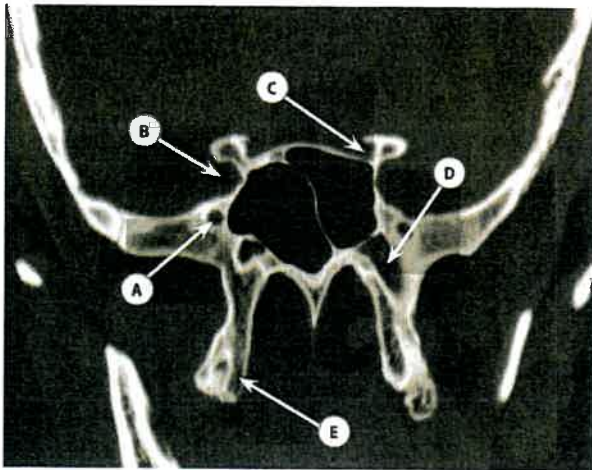
Image - 28



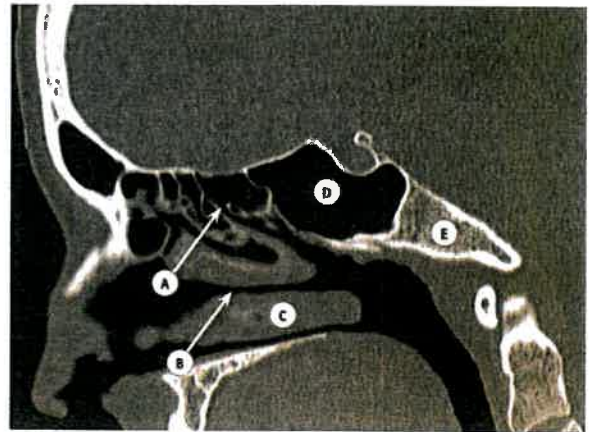
- A. Crista galli.
- B. Right infraorbital foramen.
- C. Right inferior turbinate.
- D. Hard palate.

Image - 29

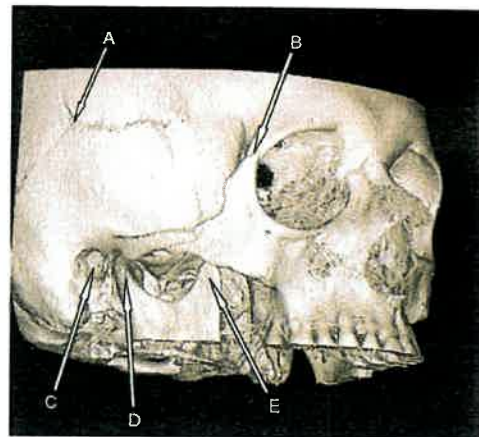
- A. Right frontozygomatic suture
- B. Right ethmoid infundibulum
- C. Left uncinate process
- D. Left maxillary sinus ostium

Image - 30

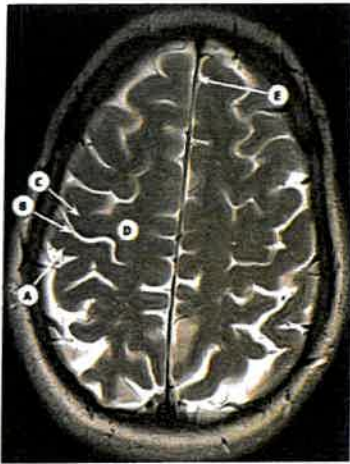
- A. Right foramen rotundum
- B. Right superior orbital fissure
- C. Left optic canal
- D. Left pterygopalatine fossa
- E. Right medial pterygoid plate

Image - 31

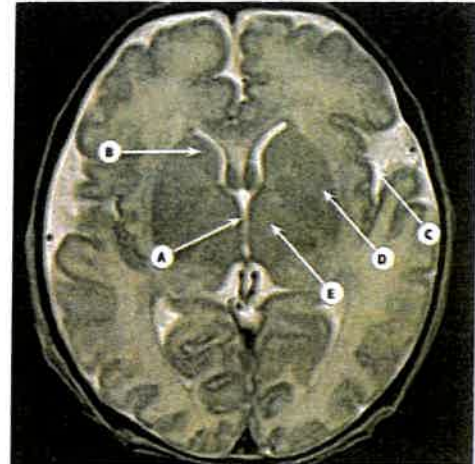
- A. Posterior ethmoid ostium
- B. Middle meatus
- C. Inferior turbinate (concha)
- D. Sphenoid sinus
- E. Clivus

Image - 32

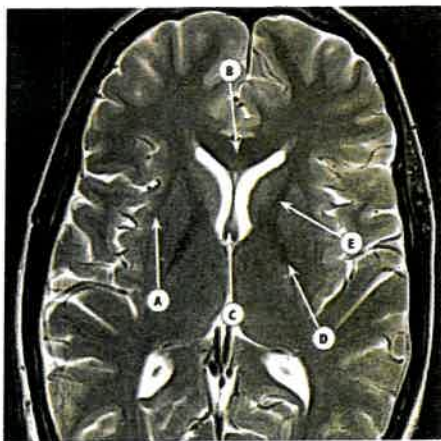
- A. Right pterion
- B. Right fronto-zygomatic suture
- C. Right external acoustic meatus of temporal bone
- D. Right condyle of mandible
- E. Right coronoid process mandible

Image - 33

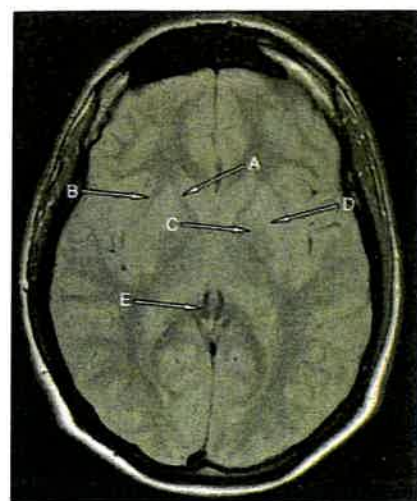
- A. Right postcentral gyrus
- B. Right central sulcus (of Rolando)
- C. Right precentral gyrus
- D. Centrum semiovale
- E. Interhemispheric fissure

Image - 35

- A. Third ventricle
- B. Head of the right caudate nucleus
- C. Cortex of the left insula
- D. Left lentiform nucleus
- E. Left hypothalamus

Image - 34

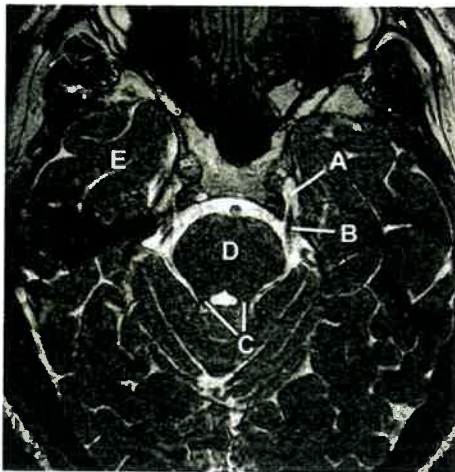
- A. Right external capsule
- B. Genu of corpus callosum
- C. Fornix
- D. Posterior limb of left internal capsule
- E. Anterior limb of left internal capsule

Image - 36

- A. Anterior limb of right internal capsule
- B. Right external capsule
- C. Left globus pallidus
- D. Left putamen
- E. Internal cerebral vein

Image - 37

- A. Quadrigeminal cistern
- B. Basilar artery
- C. Cerebellar folia
- D. Optic chiasma
- E. Left internal carotid artery

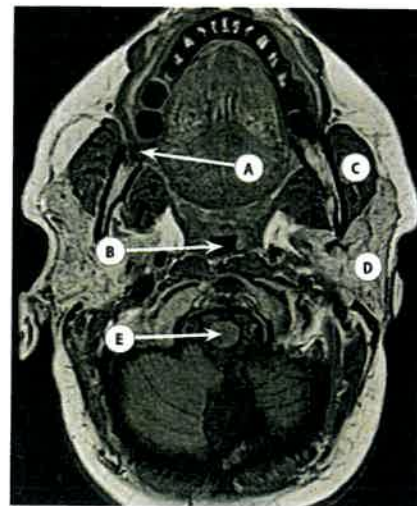
Image - 38

- A. Meckel's cave
- B. Trigeminal nerve
- C. Superior cerebellar peduncles
- D. Pons
- E. Anterior temporal lobe

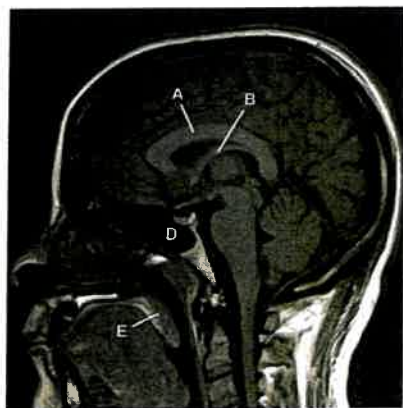
Image - 39

Axial T2 MRI of the brain

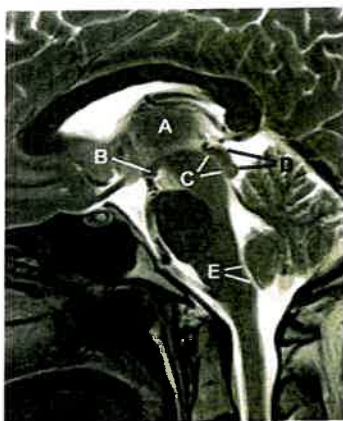
- A. Vestibulocochlear nerve (CN VIII).
- B. Facial nerve (CN VII).
- C. Left Meckel's cave.
- D. Right vestibule.
- E. Right semicircular canal.

Image - 40

- A. Right retromolar trigone
- B. Oropharynx
- C. Left masseter muscle
- D. Superficial lobe of the left parotid gland
- E. Cervical spinal cord

Image - 41

- A. body of the corpus callosum
- B. Fornix
- D. Sphenoid sinus
- E. Soft palate

Image - 42

- A. Massa intermedia of thalamus
- B. Mamillary body
- C. Cerebral aqueduct of Sylvius
- D. Superior and inferior colliculi
- E. Foramen of Magendie

Image - 43**Sagittal T1 MRI of the brain**

- A. Mammillary body.
- B. Fourth ventricle.
- C. Tectum of the midbrain.
- D. Tentorium cerebelli.
- E. Cerebellar tonsil.

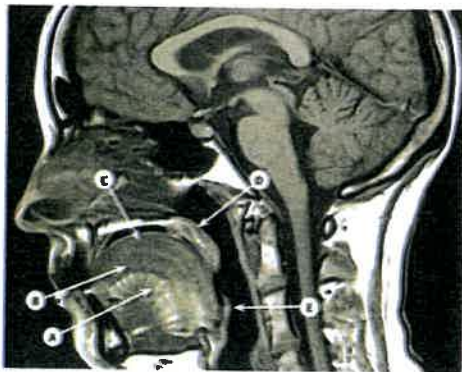
Image - 44

- A. Frontal sinus.
- B. Optic chiasm.
- C. Pons.
- D. Prepontine cistern.
- E. Soft palate.

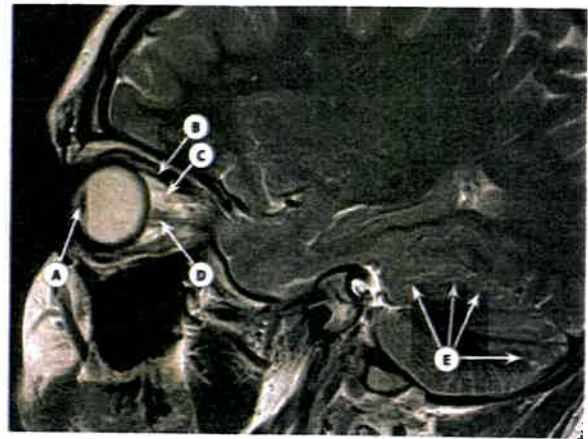
Image - 45

Sagittal T1 MRI of the brain

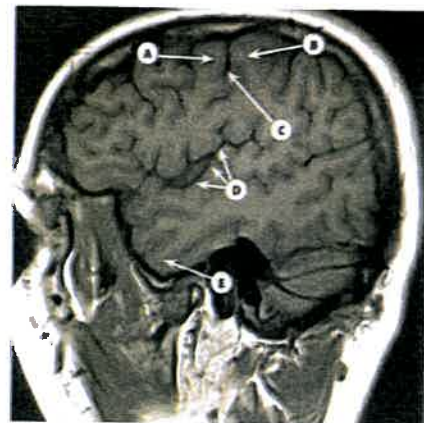
- A. Mammillary body.
- B. Fourth ventricle.
- C. Tectum of the midbrain.
- D. Tentorium cerebelli.
- E. Cerebellar tonsil.

Image - 46

- A. Genioglossus muscle
- B. Intrinsic transverse muscle of the tongue
- C. Intrinsic longitudinal muscle of the tongue
- D. Soft palate
- E. Epiglottis

Image - 47

- A. Lens
- B. Superior rectus muscle
- C. Retro-orbital fat
- D. Optic nerve
- E. Cerebellar folia

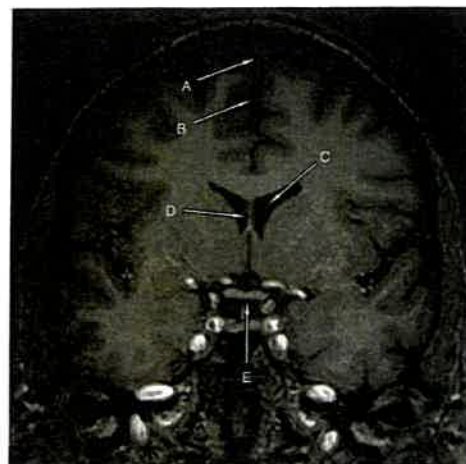
Image - 48

- A. Precentral gyrus
- B. Postcentral gyrus
- C. Central sulcus (Rolandic fissure)
- D. Lateral sulcus (Sylvian fissure)
- E. Inferior temporal gyrus

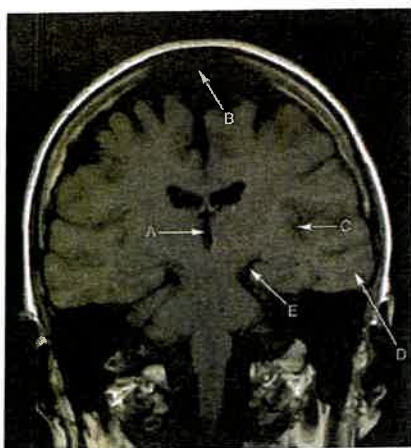
Image - 49

Coronal STIR MRI of the neck

- A. Right sternocleidomastoid muscle.
- B. Odontoid
- C. Pons.
- D. Left parotid gland.
- E. Left lateral mass of C1.

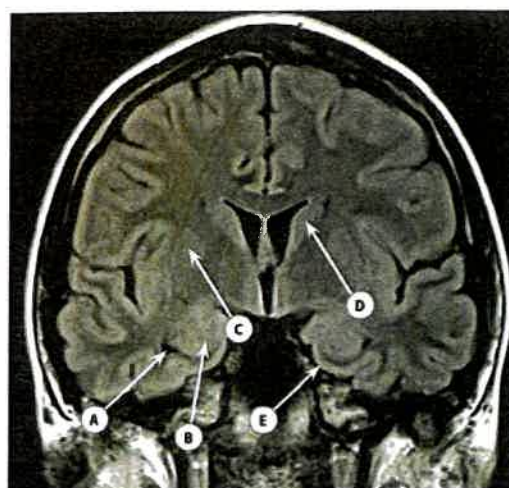
Image - 51

- A. Superior sagittal sinus
- B. Falx cerebri
- C. Left lateral ventricle
- D. Septum pellucidum
- E. Optic chiasm

Image - 52**Image - 50**

Coronal T1 MRI of the brain

- A. Third ventricle.
- B. Superior sagittal sinus.
- C. Left sylvian fissure.
- D. Left temporal lobe.
- E. Left ambient cistern.

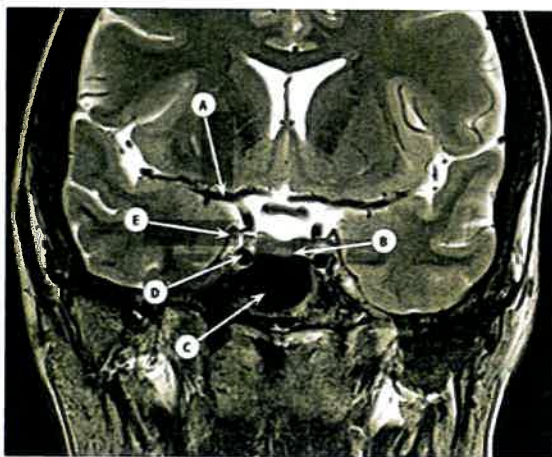


- A. Temporal horn of the right lateral ventricle
- B. Right hippocampus
- C. Right lentiform nucleus
- D. Head of the left caudate nucleus
- E. Left parahippocampal gyrus

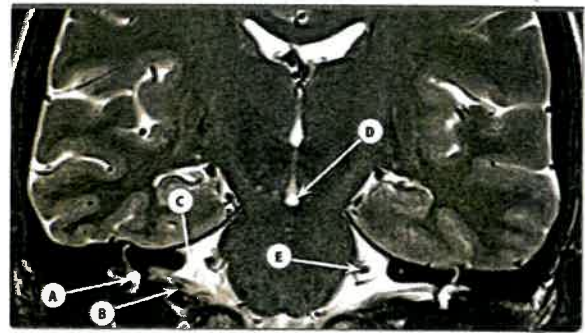
Image - 53

Coronal T1 MRI of the brain with IV contrast

- A. Right lateral ventricle.
- B. Infundibulum
- C. Optic chiasm.
- D. Pituitary gland.
- E. Right internal carotid artery.

Image - 54

- A. Right middle cerebral artery
- B. Pituitary gland
- C. Sphenoid sinus
- D. Cavernous portion of the right internal carotid artery
- E. Oculomotor nerve (CN III)

Image - 55

- A. Right vestibule
- B. Cochlear branch of the right vestibulocochlear nerve (VIII)
- C. Right facial nerve (VII)
- D. Interpeduncular cistern
- E. Left trigeminal nerve (V)

Image - 56

- A. Right trigone of lateral ventricle
- B. Splenium of corpus callosum
- C. Choroid plexus
- D. Tentorium cerebelli
- E. Cisterna magna