

Announcing the stunning new 3D anatomy resource from Primal Pictures – 3D Head & Neck Anatomy for Dentistry – an encyclopedic image library and reference tool for dentists in training and practice.

View clear, detailed and accurate 3D modeling of the key anatomy for dentistry. Choose from over 100 3D views of head, neck, face, oral and nasal cavities, dentition, individual teeth in 3D and cross section, nerves, larynx and pharynx, sinuses, eye, brain and more.

Specialised clinical content includes 3D views of progressive dental conditions such as caries and gingivitis and detailed and interactive 3D nerve views of intraoral injections. Clinical text section covers teeth, dental anesthesia, examination, face, spread of infection, salivary glands, joints, embryogenesis and pterygopalatine fossa.

View relevant anatomy how you want in clear and accurate 3D – interactive functions allow you to rotate the 3D models through 360 degrees and add or remove layers of anatomy to view and label any feature with ease.

Quick and easy access to accurate anatomy and clinical images, text – clicking on any visible structure will bring up relating text and hotlinks to hundreds of additional images - dissections, clinical slides, diagrams, annotated illustrations, video clips and functional anatomy animations.

Save time and money finding images – simple edit functions allow you to export and print any image from the software for use in your own presentations, patient education and student handouts, royalty free.



3D ANATOMY:

Choose from over 100 3D anatomy views - all main views allow you to rotate and add/remove layers of anatomy from the models.

Head and Neck

Face

Anterior neck

Oronasal cavities

- overview
- neurovasculature

Oral cavity

- Oral cavity and infratemporal fossa
- Tongue
- Right TMJ
- Muscles of swallowing
- Palate from below
- Floor of oral cavity

Pharynx and larynx

Dentition and Clinical relevance

- Dentition and paranasal sinuses
- Numbering systems – adult
- Cross section of a molar
- Individual teeth models

Individual teeth

- Right maxillary teeth
- Left maxillary teeth
- Left mandibular teeth
- Right mandibular teeth

Dental conditions

- Caries and abscess
- Gingivitis and periodontal disease

Intraoral injections

Maxillary nerve blocks

- Maxillary division nerve block
- Posterior superior alveolar nerve block
- Middle superior alveolar nerve block
- Anterior superior alveolar nerve block
- Greater palatine nerve block
- Nasopalatine nerve block
- Infra-orbital nerve block

Mandibular nerve blocks

- Inferior alveolar nerve block
- Long buccal nerve block
- Mental nerve block

Nerves

- Cranial nerves

- Cervical plexus
- Dermatomes
- Cutaneous innervation

Ear

Eye

Nerves

- 12 cranial nerves
- Cervical plexus

Brain

- Meninges
- Dural folds
- Ventricles
- Cerebellum
- Cerebrum
- Blood vessels

Skull

- Skull
- axial section
- medial section
- Paranasal sinuses

Individual bones

- Hyoid bone
- Manubrium sterni

Skull

Cranial bones

- Ethmoid bone
- Frontal bone
- Occipital bone
- Parietal bone (right)
- Sphenoid bone
- Temporal bone (right)

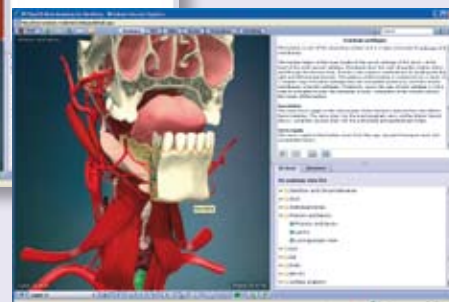
Facial bones

- Interior nasal concha (right)
- Lacrimal bone (right)
- Mandible
- Maxilla (right)
- nasal bone
- Palatine bone (right)
- Vomer
- Zygomatic bone (right)

Vertebrae

- 1st cervical vertebra
- 2nd cervical vertebra
- 4th cervical vertebra
- 7th cervical vertebra

All 3D models are interactive and fully labeled with detailed explanatory anatomy text and links to all relating content within the software.



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CLINICAL CONTENT:

Teeth – overview, incisors, canines, premolars, molars, deciduous teeth, anomalies and pathology.

Dental Anesthesia – including infiltration anesthesia and nerve blocks, mental nerve and incisive nerve block complications.

Examination – oral examination, full history, head and neck examination, cranial nerve examinations, cranial nerve pathology.

Face – skeletal framework, pathology of the face, maxillary sinuses.

Spread of infection - overview, oral microflora, dentoalveolar abscesses – overview, management, clinical features and complications.

Salivary gland – submandibular and sublingual glands, submandibular triangle, submental triangle, parotid gland.

Joint overview – TMJ, muscles of mastication.

Embryogenesis – Pharyngeal pouches, cleft and arches, thyroid, tongue, palate.

Pterygopalatine Fossa – pterygoid venous plexus

ANIMATIONS:

10 showing functional anatomy of the Temporomandibular Joint

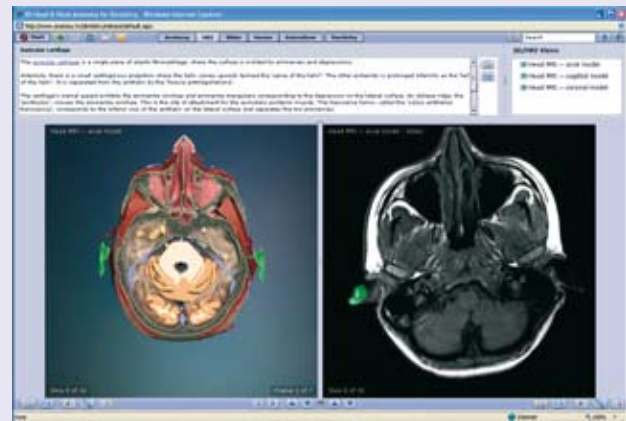
Facial muscle animations

Neck muscle animations



MRI SECTION:

Link the 3D model with MRI scans in 3 planes (axial, sagittal, coronal) and move through slices of both the model and MRI.



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Technical Specification:

PC: Windows 98 and above including Vista
Mac: OS X and above including Leopard.

**If you have any further queries regarding the content of this DVD-ROM,
please contact us emma@primalpictures.com**