

sectional anatomy of the head and neck with correlative diagnostic imaging

[#sectional anatomy head neck](#) [#diagnostic imaging head neck](#) [#correlative anatomy imaging](#) [#cross-sectional anatomy](#) [#radiological anatomy](#)

Delve into the intricate details of sectional anatomy of the head and neck, exploring the complex three-dimensional relationships of its vital structures. This resource provides a comprehensive guide that correlates these anatomical views with diagnostic imaging modalities such as CT and MRI, essential for accurate interpretation and clinical practice. Ideal for radiologists, surgeons, and medical students, it bridges the gap between theoretical anatomy and its practical application in radiological anatomy.

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Jose Williams 3 views 7 years ago 31 seconds - <http://j.mp/293Demf>.
Deep neck spaces and deep cervical fascia anatomy | Radiology anatomy part 1 prep | CT and MRI
- Deep neck spaces and deep cervical fascia anatomy | Radiology anatomy part 1 prep | CT and
MRI by Radiology Tutorials 34,214 views 1 year ago 19 minutes - High yield **radiology**, physics past
paper questions with video answers* Perfect for testing yourself prior to your **radiology**, physics ...
Deep Neck Spaces
Axial T1 Weighted Slice of the Neck
Superficial Cervical Fascia
Superficial Fascia of the Neck
Pre-Tracheal Fascia
Deep Cervical Fascia
Visceral Space
Ayla Fascia
Retropharyngeal Space
Danger Space
Axial T1 Weighted Scan of the Neck
Parotid Gland
Parotid

Carotid Space

Pharyngomycosal Space

Imaging Head and neck spaces - Imaging Head and neck spaces by Radiology Video - radiology made esay 16,883 views 2 years ago 25 minutes - Imaging Head and neck, spaces.

Intro

Suprahyoid vs infrahyoid neck

3 Layers of deep cervical fascia

Suprahyoid neck: Parapharyngeal space

Clinical correlation: parapharyngeal space mass (BMT)

Suprahyoid neck: Pharyngeal mucosal space

Clinical correlation: peritonsillar abscess

Clinical correlation: Nasopharyngeal carcinoma

Suprahyoid neck: Masticator space

Mandibular nerve V_a

Clinical correlation: Masticator space osteosarcoma

Clinical correlation: Masticator space abscess

Suprahyoid Neck: Parotid space

Clinical correlation: Parotid malignancy

Clinical correlation: Deep parotid BMT

Infrahyoid neck: Visceral space

Clinical correlation: Thyroid goiter

Suprahyoid Neck: Carotid space

Suprahyoid Carotid Space

Infrahyoid carotid space

Clinical correlation: Vagal schwannoma

Clinical correlation: Glomus jugulare

Clinical correlation: Carotid body paraganglioma

Supra and infrahyoid: Retropharyngeal space

Clinical correlation: Retropharyngeal space

Clinical correlation: RP abscess with mediastinal extension

Supra and infrahyoid neck: Perivertebral space • Prevertebral and paraspinal components

Prevertebral muscles

Paraspinal muscles

Clinical correlation: Paraspinal abscess

Supra and Infrahyoid neck: Posterior cervical space

Clinical correlation: Posterior triangle lymphadenopathy

CT Neck Anatomy (Radiology Basics)| Anuj Aggarwal - CT Neck Anatomy (Radiology Basics)| Anuj Aggarwal by Dr Anuj Aggarwal 43,970 views 2 years ago 20 minutes - See with subtitles ON! Basic review of **anatomy**, which is crucial for any radiologist for reporting any **neck**, or oral cavity or ...

Anatomy of Oropharynx

Tonsillar Fossa

Piriform Sinus

Thyroid Cartilage

Muscles

Parotid Gland

Head and neck anatomy landmarks - Head and neck anatomy landmarks by LearnNeuroradiology 10,605 views 2 years ago 5 minutes, 54 seconds - Today, Dr. Bailey is back with a video about her approach to **head and neck anatomy**, using landmarks. With this quick video, ...

Nasal cavity versus the nasopharynx. The nasal cavity and nasopharynx are both above the hard palate up to the cribriform plate. The nasopharynx begins just behind the posterior margin of the hard palate

Oral cavity vs oropharynx. Similarly, the oral cavity includes the tissue below the hard palate and anterior to its posterior margin, while the oropharynx includes what is posterior to the margin of the hard palate.

Floor of the mouth. The floor of the mouth is predominantly made of muscular structures, including the genioglossus, hyoglossus, and mylohyoid.

Hypopharynx. The hypopharynx consists of the pyriform sinuses, the lateral and posterior pharyngeal walls, and the posterior surfaces of the larynx extending to the cervical esophagus.

Supraglottic larynx. The supraglottic larynx includes everything from the tip of the epiglottis down to

the laryngeal ventricle.

Larynx-glottis. The glottis includes the larynx and true vocal cords, including the anterior and posterior commissures.

Larynx-subglottis. The subglottis extends from the inferior aspect of the true vocal cords to the cricoid cartilage. Below the cricoid cartilage is the trachea.

Head and Neck Imaging - Head and Neck Imaging by Health4TheWorld Academy Videos Channel 26,742 views 3 years ago 59 minutes - International Grand Rounds: **Head and Neck Imaging**, with Dr. Richard Wiggins.

Visceral Space

Deep Spaces Of The Neck

Parapharyngeal Space

Pharyngeal Mucosal Space

PM Space Pathology

Masticator Space Anatomy

Masticator Space Pathology

Parotid Space Anatomy

Parotid Space Pathology

Carotid Space Anatomy

Carotid Space Pathology

Perivertebral Space Anatomy

'Retropharyngeal Space Pathology

Lateral Suprahyoid Neck

Posterior Suprahyoid Neck

Head & Neck | A guide to CT Neck | Dr Davina Pawaroo - Head & Neck | A guide to CT Neck | Dr Davina Pawaroo by AOT ENT Education 5,653 views 2 years ago 25 minutes - Dr Davina Pawaroo , Consultant Radiologist, Norfolk and Norwich University Hospitals NHS Foundation Trust Norwich ENT ...

5 point rule for skull base involvement

The nasopharynx

The neck spaces: anterior

The oropharynx

The neck spaces: posterior

The floor of mouth

Larynx and hypopharynx

Neck Anatomy 1: Landmarks and Spaces - Neck Anatomy 1: Landmarks and Spaces by Barton Branstetter 18,010 views 3 years ago 32 minutes - If you're thinking i've already seen the lecture on **anatomy**, of the **neck**, maybe you already have because this is a re-recording of ...

CTA Head and Neck - CTA Head and Neck by Christopher Lack 26,756 views 3 years ago 10 minutes, 14 seconds - I'm going to review the major arterial and venous structures on a cta of the **head and neck**, so here i have an axial cta and here's ...

Introduction to CT C-spine: Approach and Essentials - Introduction to CT C-spine: Approach and Essentials by Navigating Radiology 117,001 views 8 years ago 47 minutes - This video introduces basic **anatomy**, important measurements on CT C-spine, a detailed approach, never to miss findings, ...

Intro

Outline

Basic Anatomy and Pearls

Most Important Measurements

Content Suggestions

Craniocervical Injuries

Subaxial Fractures

Commonly Missed Important Injuries

Fracture mimics

Indications for CTA

Full Approach

Evaluate Craniocervical Junction

BDI (basion-dens interval)

occipital condyle avulsions

Subaxial Spine Injuries

vertebral bodies
disc spaces
facet joints
uncovertebral joints
Soft Tissues
epidural hematoma
Miscellaneous
skull base
mandible
hyoid bone
thyroid cartilage
cricoid cartilage
lungs

General Overview

Craniocervical Junction

Step 2a: Rule out Craniocervical Dissociation

atlanto-occipital

Step 2b: Other Craniocervical Jxn Injuries

Alignment

vertebral body heights

Miscellaneous

Step 2: Craniocervical Junction

TAKE HOME POINTS

Introduction to MRI of the brain - Introduction to MRI of the brain by Leicester Medical School

Radiology 142,922 views 2 years ago 24 minutes - Dr Vincent Lam describes the **imaging anatomy of the brain**, the different MRI sequences used for **brain imaging**, and the ...

Learning Objectives

Axial

Coronal

Sagittal

CSF Spaces

BASILAR ARTERY

Lobes

Grey vs White matter

Grey matter

Arteries

Veins

T2 Weighted

Flow sequences

Stroke - Acute

Stroke - Chronic

Acute parenchymal haemorrhage

Extradural haematoma

Subdural haematoma

Aneurysm

Venous sinus thrombosis

Multiple Sclerosis

Glioblastoma

Lymphoma

Meningioma

Metastasis

Tuberculosis

Abscess

Vestibular schwannoma

Pituitary macroadenoma

Summary

How to read a CT brain scan: Acute ischaemic stroke for beginners - How to read a CT brain scan:

Acute ischaemic stroke for beginners by Radiology Tutorials 60,103 views 2 years ago 19 minutes -

Acute ischaemic stroke - CT scan features for beginners. Signs of acute infarction on CT **brain**. In

this video I provide a basic ...

Intro

Vascular territories

Anatomy in 3D

Virtual arteries

Digital subtraction and geography

Pathology

A Practical Introduction to CT - A Practical Introduction to CT by Navigating Radiology 523,086 views

8 years ago 25 minutes - A practical introduction to CT - you should watch this before learning

anything else about CT scans. Designed for new **radiology**, ...

Intro

Radiographic Densities

Conventions

Application of Hounsfield Units

Windowing

Soft Tissue Window

Window Examples

Intro to IV Contrast

Basic Phases

TAKE HOME POINTS

Cerebral Vascular Anatomy And Imaging - Cerebral Vascular Anatomy And Imaging by The Neu-

rophile (by Rutgers RWJMS Neurology) 169,522 views 3 years ago 23 minutes - 00:00 - Intro 00:38

- Case presentation 01:58 - **Neck**, vasculature 02:43 - Circle of Willis 04:05 - Vascular **imaging**,:

Brain, MRA and ...

Intro

Case presentation

Neck vasculature

Circle of Willis

Vascular imaging: Brain MRA and head CTA

Vascular imaging: Neck MRA, CTA

Vascular imaging: Conventional cerebral angiogram

Comparison of vascular imaging modalities

ACA vascular territory

MCA vascular territory

PCA vascular territory

PCA territory, midbrain involvement

SCA vascular territory

Basilar artery vascular territory

AICA vascular territory

PICA vascular territory

Imaging examples of strokes in various distributions

Back to the case

Abdominal Anatomy on Computed Tomography - Abdominal Anatomy on Computed Tomography

by Yale Radiology and Biomedical Imaging 300,821 views 5 years ago 10 minutes, 47 seconds -

Speaker: Dr. Mahan Mathur, MD. Assistant Professor of **Radiology**, and Biomedical **Imaging**, Yale

University School of Medicine.

Objectives

Spleen

Left Adrenal Gland

Pancreas

Liver

Arteries

Celiac Artery

Superior Mesenteric Artery

Coronal Plane

Adrenal Glands

Fundus

Transverse Colon

Superior Mesenteric Vein

Arterial Anatomy

Abdominal Aorta

MRA (magnetic resonance angiogram) head radiology search pattern - MRA (magnetic resonance angiogram) head radiology search pattern by LearnNeuroradiology 93,445 views 5 years ago 14 minutes, 4 seconds - As a neuroradiologist, one of the most frequently ordered tests you will encounter is an MRA (magnetic resonance angiogram) of ...

Intro

Indications

General Pattern

Anterior circulation

Posterior circulation

Projections

Summary

Pre-op FESS Checklist - Dr. Suresh Mukherji - MRI Online - Pre-op FESS Checklist - Dr. Suresh Mukherji - MRI Online by MRI Online Powered by Medality 37,274 views 2 years ago 23 minutes - Dr. Suresh Mukherji is a recognized authority in **head and neck radiology**,, and neuroradiology. He has authored over 400 ...

Intro

Cribiform Plate

Classification

anterior skull base

laminar propria

osteomedial unit

haller cells

onnoity cells

Sphenoid sinus

Progressive pneumatization

Aerated Sinus

Ethmoid Sinus

Ethmoid Air Cells

Ethmoidal artery

Disease

Summary

Cranial Foramina | Mnemonic Phrase - Cranial Foramina | Mnemonic Phrase by Kevin Patton [he,him] 354,094 views 5 years ago 9 minutes, 43 seconds - A brief survey of the foramina of the cranial floor in the human skull, including a mnemonic phrase to easily remember their names ...

Introduction

Terminology

Smaller Foramina

Mnemonic Phrase

Brain Imaging, Crash Course - Brain Imaging, Crash Course by The Neurophile (by Rutgers RWJMS Neurology) 689,999 views 3 years ago 58 minutes - 00:00 - Intro 01:18 - Case 02:05 - Approach to **Imaging**, 02:50 - Landmark Review 02:53 - **Head**, CT 09:30 - Asymmetry 12:18 ...

Intro

Case

Approach to Imaging

Landmark Review

Head CT

Asymmetry

Density

Hyperdensity

Hypodensity

MRI sequences

Vasogenic vs Cytotoxic Edema

Hyperintensity

Hypointensity

Summary for intensities

Back to the case

Patterns of Enhancement

Case wrap-up

Summary

Anatomy of the Skull on CT - Anatomy of the Skull on CT by Ali's Radiological Anatomy Course
13,003 views 1 year ago 2 hours, 23 minutes - This video demonstrates the **anatomy**, of the skull on CT. It continues with a live interactive **anatomical**, quiz and then to a ...

5 Cases in 5 Minutes: Head & Neck #1 - 5 Cases in 5 Minutes: Head & Neck #1 by Radquarters
32,555 views 4 years ago 12 minutes, 24 seconds - Quiz yourself with this week's interactive video lecture as we present a total of 5 interesting **head and neck imaging**, cases followed ...

Intro

Case 1 Parotid Stenosis

Case 2 Floor of the Mouth

Case 3 Temporal Bone

Case 4 Longest Coli

Introduction to CT Head: Approach and Principles - Introduction to CT Head: Approach and Principles
by Navigating Radiology 867,669 views 8 years ago 1 hour, 2 minutes - Video includes relevant **anatomy**, (4:50), basic principles, approach to CT **head**, (38:00), and multiple example cases (41:54).

Intro

Outline

Review: Hounsfield Units

Brain: Hounsfield Units

Basic Anatomy

Occipital

Sylvian Fissure

Central Sulcus

Precentral gyrus

Moustache sign

GREY MATTER STRUCTURES

WHITE MATTER

Cerebellar Tonsils

BRAINSTEM

Cerebral Peduncles

Third Ventricle

Fourth Ventricle

Foramen of Monro

Cerebral Aqueduct

Foramen of Luschka

Sella Turcica

Ambient Cistern

Internal Carotid Arteries

Middle Cerebral Artery

Vertebral Arteries

VENOUS SINUSES

Superior Sagittal Sinus

Transverse Sinus

Jugular Vein

Basic Conceptual Approach

Basic Concepts: Bleed

Basic Concepts: Blood Over Time

Basic Concepts: Hyperacute Blood

Mixed Density Subdural

Pineal Gland

Dentate Nucleus

Basic Concepts: Stroke

Basic Concepts: Evolution of Stroke

Basic Concepts: Mass Effect

Descending Transtentorial Herniation

Ascending Transtentorial Herniation

Herniation Syndromes

Review: Windowing

General Overview: Brain Window

Rule out Bleed: Blood Window

Rule out Stroke: Stroke Window

Soft Tissues: Soft Tissue Window

Fractures: Bone Window

Demonstration - Conceptual Approach

a. sulcal effacement

b. midline shift/subfalcine herniation

c. uncal herniation

CASE 3

TAKE HOME POINTS

Example of Detailed Approach

pairs of fat

ii Pterygopalatine Fossa

iv Parapharyngeal

BONES

Calvarial Fractures

Head & Neck | Radiology | Deep Neck Space Anatomy | Dr Ashok Adams - Head & Neck | Radiology

| Deep Neck Space Anatomy | Dr Ashok Adams by AOT ENT Education 7,326 views 3 years

ago 51 minutes - Deep Neck Space **Anatomy**, Dr Ashok Adams , Consultant **Head and Neck**, &

Neuroradiologist, Barts Health NHS Trusts Barts ...

Superficial and deep cervical fascia - axial

Superficial and deep cervical fascia - sagittal

Suprahyoid neck and fascial spaces - axial

Suprahyoid neck and fascial spaces - coronal

Infrahyoid neck - anterior and posterior cervical spaces

Normal MRI anatomy

Case example - CT Temporal bone and MRI in diabetic patient with otalgia

Case example - Lateral soft tissue XR and axial CT

Case example - Axial CT in floor of mouth/odontogenic pathology

Case example - Axial CT in penetrating neck trauma

NOE and white cell scans

Facial nerve in NOE imaging

Plain XR and calcified tendonitis in the neck

Value of Technetium-99 scans in NOE

Value of radiology in draining neck abscesses/collections

Value of OPG if already performing CT

Head & Neck Spaces Made Simple, Dr. Suresh Mukherji - MRI Online Noon Conference - Head

& Neck Spaces Made Simple, Dr. Suresh Mukherji - MRI Online Noon Conference by MRI Online

Powered by Medality 15,353 views 3 years ago 1 hour, 1 minute - Welcome to MRI Online Noon

Conference! In this video, Dr. Suresh Mukherji presents and discuss **Head, & Neck**, Spaces.

Intro

A Simplified Approach to the Spaces of the Head & Neck

Masticator Space

Visceral Space

Retropharyngeal Space

Pre-vertebral Space

Parotid Space

Facial Nerve

Carotid Space "Carotid sheath" "Post-styloid parapharyngeal space"

Anatomy: "Floor of Mouth, Sublingual Space"

Submandibular Space

Head & Neck Imaging Part 1| Health4TheWorld Academy - Head & Neck Imaging Part 1| Health4The-

World Academy by Health4TheWorld Academy Videos Channel 423 views 5 years ago 20 minutes

- Radiology, literature describes the **head and neck anatomy**, in terms of the fascia lined spaces,

which confine various pathologies ...

CT Scan of neck anatomy part 1 - CT Scan of neck anatomy part 1 by CT Scan & MRI 22,008 views

3 years ago 10 minutes, 16 seconds - This picture taken by my favourite site <https://radiopaedia.org/>

CT **neck**, part 2 **anatomy**, <https://youtu.be/pQfNz60RU3I>.

Picture tests in Head and Neck anatomy 1 - Picture tests in Head and Neck anatomy 1 by Human

Anatomy Education 30,041 views 6 years ago 13 minutes, 57 seconds - Video sections: 0:00

Instructions 0:08 Osteology of the skull - the orbit 2:15 Lionel Messi's muscle of winking 2: 37 Muscle that ...

Instructions

Osteology of the skull - the orbit

Lionel Messi's muscle of winking

Osteology of the skull - axial CT

Osteology of the skull - processes

Blood supply of the head

Osteology of the skull - the hard palate

Nerves of the neck - cervical plexus and spinal accessory nerve

Cross-sectional anatomy of the head

Osteology of the skull - base of the skull

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