

notes of a radiology watcher

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Dive into the intriguing world of medical imaging with these personal notes and observations from a dedicated radiology watcher. Discover unique insights into diagnostic processes, technological advancements, and the critical role of radiologists in modern healthcare, perfect for students, professionals, and anyone curious about the unseen aspects of medicine.

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notes of a radiology watcher

Guidance Notes For Radiology Residents - Guidance Notes For Radiology Residents by Dr.Is-mail Sayed Ismail 4,600 views 2 years ago 38 minutes - <https://docs.google.com/presentation/d/1-dAEk7UtGd5vEqhzrflFX58LAyFqfgO0/edit#slide=id.p1>.

Radiology Residency - Tips and Tricks - Radiology Residency - Tips and Tricks by TheRadMed 23,687 views 1 year ago 7 minutes, 47 seconds - Learn How To Dominate **Radiology**, Residency Like and Subscribe Check Out: <http://theradmed.com/> Clinical Anatomy Course on ...

Ultrasound Principles & Instrumentation - Orientation & Imaging Planes - Ultrasound Principles & Instrumentation - Orientation & Imaging Planes by MedCram - Medical Lectures Explained CLEARLY 582,379 views 6 years ago 8 minutes, 27 seconds - Ultrasound, is EXPLODING in popularity among medical professionals & clinicians...and for good reason. Quite simply, **ultrasound**, ...

Intro to Clinical Imaging - Intro to Clinical Imaging by TCMC IGL 73,687 views 7 years ago 17 minutes - Now next time use your modality is **ultrasound**, now there's a lot of cool physics behind **ultrasound**, I'm not gonna go into a whole ...

Anatomy 010 Radiology Introduction Xray CT MRI USG difference uses ionizing general principles of - Anatomy 010 Radiology Introduction Xray CT MRI USG difference uses ionizing general principles of by MBBS VPASS 5,551 views 2 years ago 19 minutes

Computed Tomography Physics - Computed Tomography Physics by General Radiology 64,595 views 3 years ago 2 hours, 4 minutes - this is a dedicated full video on the basic of general physics of computed tomography CT, which include all the required ...

UC San Diego Review Course

Objectives

Outline

The Beginning

Limitations

Early advancements

Conventional Tomography

Tomographic Blurring Principle

Orthopantogram
Breast Tomosynthesis
Simple Back-Projection
The Shepp-Logan Phantom
Filtered Back-Projection
Iterative Reconstruction for Dummies
Summary

Modern CT Scanners
Components of a CT System
Power Supply
CT x-ray Tube
Added filtration
Bow-Tie Filter
Collimation
Gas Detectors
Scintillator

Generations of CT Scanners
First Generation CT
Second Generation CT
Third Generation CT
Fourth Generation CT
Sixth Generation CT
Seventh Generation CT
Siemens Volume Zoom (4 rows)
Cone Beam CT
Cone-Beam CT
Dual Source CT

Imaging Parameters
Shaded Surface
Matrix and XY
Beam Quality
Pitch

How I Memorized EVERYTHING in MEDICAL SCHOOL - (3 Easy TIPS) - How I Memorized EVERYTHING in MEDICAL SCHOOL - (3 Easy TIPS) by Dr. Cellini 3,869,902 views 5 years ago 7 minutes, 13 seconds - Here are few of the techniques I used in MED SCHOOL to memorize everything for the tests, and boards, and how I became a ...

Intro

Find a Study Partner

Take Notes

Outro

How to Read a Chest X-ray like a Radiologist! (My Search Pattern) - How to Read a Chest X-ray like a Radiologist! (My Search Pattern) by Dr. Cellini 226,565 views 5 years ago 7 minutes, 19 seconds - Hey Everyone! Back again with another tutorial on how I read and interpret a Chest **x-ray**,! **Radiologists**, develop certain search ...

read a chest x-ray

zoom in real closely through these long apices

take a look at the lateral aspect of the rib

see through the diaphragm

followed my lateral view of the trachea down and esophagus

take a look at the osseous structures

Abdominal Case Conference - 2/20/2024 - Abdominal Case Conference - 2/20/2024 by Abdominal Radiology Case Conference 267 views 2 days ago 26 minutes - 0:00 - Case 1 8:29 - Case 2 11:06 - Case 3 14:08 - Case 4 18:51 - Case 5 21:31 - Case 6 24:30 - Case 7 Case 1 - Transperineal ...

Case 1

Case 2

Case 3

Case 4

Case 5

Case 6

Case 7

First Day of Interventional Radiology - First Day of Interventional Radiology by Dr. Glaucomflecken 531,297 views 9 months ago 2 minutes, 19 seconds - Never take off your lead.

LEARN to Read a Chest Xray in 5 minutes! - LEARN to Read a Chest Xray in 5 minutes! by QuickMedic 1,521,706 views 6 years ago 5 minutes, 54 seconds - NB: Newer videos will not have music playing in the background, as per feedback. This video is from the 2018 Medical Finals ... adopt an abcde approach to interpreting chest x-rays

look at the pleural spaces

lung markings

try to trace the bones of the clavicles

start at the posterior aspect of the ribs

looking at chest x-rays

left main bronchus

WHY I CHOSE RADIOLOGY (Residency) - 10 Reasons !! - WHY I CHOSE RADIOLOGY (Residency) - 10 Reasons !! by Dr. Cellini 532,159 views 5 years ago 5 minutes, 36 seconds - 10 of the many reasons why I chose **Radiology**, as a specialty/why I decided to go into **Radiology**, Residency! How does a Doctor ...

Intro

Focus on Body

Most Vital Role

Friends

Paperwork

Technology

Outro

Why I Chose Radiology - 11 Reasons (Update!) - Why I Chose Radiology - 11 Reasons (Update!) by Dr. Cellini 63,289 views 2 years ago 13 minutes, 35 seconds - Why I chose **Radiology**,! It is time for a much needed update since I have now finished all of my medical training! The last video ...

Intro

EXPOSURE TO ALL TYPES OF MEDICINE

MANAGEABLE STRESS LEVEL

IT IS QUICK AND TO THE POINT

IT IS A WELL-PAYING SPECIALTY

COMMUNICATION WITH OTHERS

PLENTY OF TIME OFF

YOU HELP A LOT OF PEOPLE

#8 - THERE IS NO PAPERWORK

TECHNOLOGICALLY ADVANCED

WORK FROM HOME SETUP

DEFINED HOURS

AI in Radiology at Stanford: Rise of the Machines - AI in Radiology at Stanford: Rise of the Machines by Matt Lungren MD 88,869 views 5 years ago 15 minutes - Stanford AI in **Radiology**, overview 2018 Dr. Matthew Lungren aimi.stanford.edu @matlungrenMD.

Introduction

There is no function

Frank Rosenblatt

Time has changed

Can we use this for medical imaging

Why would we want to do this

We should stop training radiologists

Medical Images

Large Medical Images

Context

Confidence

Ground truth

Research

Clinical Evaluation Pipeline

Free Text Reports

Pneumonia Task

Space Age Projects

The Future

AI Opportunities

Scenarios

AI Tools

Medical Image Net

Key Points

Basics of CT Physics - Basics of CT Physics by Neil Hansen 51,634 views 3 years ago 44 minutes -

Introduction to computed tomography physics for **radiology**, residents.

Physics Lecture: Computed Tomography: The Basics

CT Scanner: The Hardware

The anode = tungsten Has 2 jobs

CT Scans: The X-Ray Tube

CT Beam Shaping filters / bowtie filters are often made of

CT Scans: Filtration

High Yield: Bow Tie Filters

CT collimation is most likely used to change X-ray beam

CT Scanner: Collimators

CT Scans: Radiation Detectors

CT: Radiation Detectors

Objectives

Mental Break

Single vs. Multidetector CT

Single Slice versus Multiple Slice Direction of table translation

MDCT: Image Acquisition

MDCT - Concepts

Use of a bone filter, as opposed to soft tissue, for reconstruction would improve

Concept: Hounsfield Units

CT Display: FOV, matrix, and slice thickness

CT: Scanner Generations

Review of the last 74 slides

In multidetector helical CT scanning, the detector pitch

CT Concept: Pitch Practice question · The table movement is 12mm per tube rotation and the beam width is 8mm. What is the pitch?

Dual Source CT

CT: Common Techniques

Technique: Gated CT • Cardiac motion least in diastole

CT: Contrast Timing • Different scan applications require different timings

Saline chaser

Scan timing methods

Timing bolus Advantages Test adequacy of contrast path

The 4 phases of an overnight shift

CT vs. Digital Radiograph

Slice Thickness (Detector Width) and Spatial Resolution

CT Image Display

Beam Hardening

Star/Metal Artifact

Photon Starvation Artifact

How MRI Works - Part 1 - NMR Basics - How MRI Works - Part 1 - NMR Basics by thePIRL 494,795 views 5 years ago 42 minutes - How MRI Works: Part 1 - NMR Basics. First in a series on how MRI works. This video deals with NMR basis such as spin, ...

Introduction

Nuclear Magnetic Resonance

Inside the MRI Scanner

The Proton, Spin, and Precession

Signal Detection and the Larmor Equation

Flip Angle

Ensemble Magnetic Moment

Free Induction Decay and T2

T2 Weighting and TE

Spin Density Imaging

T1 Relaxation

T1 Weighting and TR

The NMR Experiment and Rotating Frame

Excitation: the B1 field

Measuring Longitudinal Magnetization

The MR Contrast Equation

Boltzmann Magnetization and Polarization

Hyperpolarization

General Notes on Radiological technique - General Notes on Radiological technique by Radiology Department - Tanta University 1,457 views 2 years ago 33 minutes - Presenter: Prof. Mohamed Eltomay Intended audience: Junior residents - First part postgraduate students.

Oral Radiology | Types of Radiographs | INBDE, ADAT - Oral Radiology | Types of Radiographs | INBDE, ADAT by Mental Dental 94,521 views 3 years ago 25 minutes - In this video, we'll cover the different types of radiographs you can take and how to read them: periapical, bitewing, occlusal, ...

Intro

Direct/Intraoral

Periapical

Bitewing

Occlusal

Cephalometric

Cone Beam Computed Tomography

Waters' View

Towne's View

Submentovertex View

Paralleling Technique

Bisecting Angle Technique

Common Errors

Thank You, Patrons! Super Patrons

How to use ChatGPT in Radiology - How to use ChatGPT in Radiology by Dr Christoph Agten 16,688 views 1 year ago 9 minutes, 18 seconds - In this video, I show you how we might use ChatGPT and other chatbots in **radiology**, today and in the future. #artificialintelligence ...

RADT 101 Introduction to Imaging and Radiologic Sciences - RADT 101 Introduction to Imaging and Radiologic Sciences by christyfooster2002 39,724 views 6 years ago 19 minutes - Describe the typical responsibilities of the members of the **radiology**, team. • Explain the career-ladder opportunities within a ...

On Call Radiology for Non-Radiologists - On Call Radiology for Non-Radiologists by Navigating Radiology 31,841 views 7 years ago 44 minutes - This video is intended for non-**radiologists**,. The focus is NOT **imaging**, interpretation. Instead, high yield **imaging**, related ...

Intro

Types of Studies on Call

Basic Principles of CT

Hounsfield Unit Scale

Overnight Emergencies For GIM

Neuro Case 1

Stroke Assessment

Imaging in Code Stroke

Non Contrast CT Scan

Signs of acute stroke on CT

CTA (CT Angiography)

CTP (CT Perfusion)

Back to the Case

Post-angio retrieval, residual weakness only

Neuro Case 2

Purpose of Imaging in Meningitis

Neuro Case 3

Subdural Hemorrhage

Blood over time

Our patient's CT Head

What does this CT Head Show?

Neuro Case 4: Spine Imaging

Cauda Equina

Case 1: Dissection?

CXR in Aortic Dissection

CTA Chest/Abdo

Acute Aortic Syndrome

Case 2: PE?

PE: What if my patient cannot receive contrast?

PE: What if my patient is pregnant?

D-dimer in pregnancy

Radiation: CTPA vs V/Q scan

PE in pregnancy: Current Guidelines

Chest Case 3: Pleural Effusion

Loculated Effusion

Empyema

CT Chest - Contrast needed?

Sensitivity of Abdominal X-Ray

CT Abdomen - NON CONTRAST

CT Abdomen - IV/PO/PR Contrast

Abdominal Ultrasound

Ultrasound Better than CT

Biliary Pathology

Abdomen Case 1

No imaging required

But if pancreatitis cause unknown...

Atlanta Criteria: Disease Course

Atlanta Criteria: Order Imaging?

Abdomen Case 2

Pyelonephritis - Imaging

Take Home Points

10. Characteristic Curve RADIOGRAPHIC IMAGING - 10. Characteristic Curve RADIOGRAPHIC IMAGING by EPS: for the Radiographer 20,198 views 3 years ago 8 minutes, 41 seconds - We take a dive into sensitometry. We learn how to produce a characteristic curve We also explain the regions of the characteristic ...

Introduction

Characteristic Curve

Steps to Characteristic Curve

Characteristics

Nondiagnostic densities

Dmax and reversal

Difference between CR and DR||Radiology notes II - Difference between CR and DR||Radiology notes II by Radiology notes 2,272 views 1 year ago 1 minute, 48 seconds - Computed **Radiography**, (CR) and Digital **Radiography**, (DR) are two types of digital **X-ray**, systems used in medical **imaging**,. Oral Radiology | X-Ray Settings | INBDE, ADAT - Oral Radiology | X-Ray Settings | INBDE, ADAT by Mental Dental 101,936 views 3 years ago 24 minutes - In this video, we discuss the many factors that can be modified like exposure time and peak kilovoltage to change the radiographic ...

Intro

Exposure Time

Collimation

Distance

Geometry

Summary

UKMLA AKT Radiology: Common Presentations and Management | Multiple Choice Questions -

UKMLA AKT Radiology: Common Presentations and Management | Multiple Choice Questions by Quesmed 2,963 views 3 years ago 1 hour, 31 minutes - UKMLA AKT Learn about how to approach Single Best Answer Questions in **Radiology**, with Dr Malalasekera, **Radiology**, Registrar ...

Intro

Question 1

Silhouette Sign
 Question 2
 Lobar Collapse
 Question 3
 Pneumothorax
 Question 4
 Pulmonary Oedema
 Question 5
 Question 6
 Question 7
 Bowel Obstruction
 Question 8
 Pneumoperitoneum
 Question 9
 LearningRadiology 01 (5 Radiographic Densities) - LearningRadiology 01 (5 Radiographic Densities)
 by R. Furman Borst, M.D. 78,486 views 13 years ago 5 minutes, 41 seconds - Welcome to video
 podcast one the five radiographic densities on learning **radiology**,.com I'm William Herring from
 Albert Einstein ...
 73 Questions with a Diagnostic Radiologist ft. Dr. Parisi | ND MD - 73 Questions with a Diagnostic
 Radiologist ft. Dr. Parisi | ND MD by ND MD 21,877 views 11 months ago 41 minutes - Welcome
 to 73 Questions with ND MD. This video series highlights different medical specialties to give you a
 better idea of what it ...
 Intro
 What changed your mind about medicine
 What makes your specialty unique
 Do you mind studying
 What is an average day for you
 What is the extent of your patient interaction
 How many scans do you see a day
 What is the scariest scan
 Most memorable scan
 Toughest part
 Most rewarding part
 Day Shift
 Life Outside the Hospital
 What is shown in Chest Xray? #pulmonology #radiology #xray - What is shown in Chest Xray?
 #pulmonology #radiology #xray by Intellect Medicos 146,902 views 1 month ago 1 minute – play
 Short - If you see this **x-ray**, there is some pathology in the left upper zone now many of you have
 answered yesterday as tuberculosis or ...
 What is Interventional Radiology? - What is Interventional Radiology? by UChicago Medicine 27,373
 views 2 years ago 3 minutes, 14 seconds - Interventional **radiology**, — or IR — is a field of medicine
 in which minimally invasive procedures are performed using image ...
 What Is Interventional Radiology
 Interventional Radiology Program
 Learn More about Our Interventional Radiology
 Search filters
 Keyboard shortcuts
 Playback
 General
 Subtitles and closed captions
 Spherical videos

sign, is a slang or joke term used in the field of radiology. It refers to the position of a penis as it relates
 to pathology on an X-ray of a pelvis.... 4 KB (471 words) - 01:19, 1 March 2024

A dirty bomb or radiological dispersal device is a radiological weapon that combines radioactive
 material with conventional explosives. The purpose of... 40 KB (4,674 words) - 14:20, 22 February
 2024

equipment used in radiology. Following upon the success of the Image Gently campaign, the American
 College of Radiology, the Radiological Society of North America... 36 KB (3,933 words) - 03:54, 3

December 2023

general radiology, interventional radiology, and image-guided surgery. In its simplest form, a fluoroscope consists of an X-ray source and a fluorescent... 48 KB (5,546 words) - 06:41, 21 February 2024
neurosurgery, and interventional neurology is a medical subspecialty of neurosurgery, neuroradiology, intervention radiology and neurology specializing in minimally... 17 KB (1,953 words) - 06:57, 19 January 2024

bodies as a complement to conventional clinical trials for new product introductions. A complete framework for in-silico clinical trials in radiology needs... 21 KB (2,451 words) - 00:29, 11 December 2023

response to the death of Alexei Navalny in a Work Camp prison, and to mark the upcoming second anniversary of the invasion of Ukraine by Russia. In early-March... 426 KB (9,307 words) - 05:30, 13 March 2024

2020. Radiology Legacy, invention of fluoroscopy Baron, David (June 6, 2017). American Eclipse: A Nation's Epic Race to Catch the Shadow of the Moon... 120 KB (13,079 words) - 16:37, 7 March 2024
prosecution had to a confession" were post-it notes found in Letby's handbag after her arrest. The notes bore hand-written jottings, one of which read, "I... 129 KB (13,523 words) - 09:06, 12 March 2024
equivalent of the American ration. Ration Packs for Japanese Forces Archived 17 October 2014 at the Wayback Machine Japan Security Watch Arthur, Gordon... 62 KB (1,287 words) - 03:55, 12 February 2024

for both chemical and radiological toxicity with the two important target organs being the kidneys and the lungs On the night of 26–27 February 1991, some... 39 KB (4,659 words) - 19:11, 9 February 2024
"unexplained" and launched a formal investigation into the circumstances behind it. Specialists in chemical, biological, radiological and nuclear materials... 126 KB (12,708 words) - 23:43, 4 March 2024

inside the urinary bladder: A case report and comprehensive literature review of genitourinary poly-embolokoilamania". Radiology Case Reports. 17 (5): 1457–1463... 126 KB (13,637 words) - 19:20, 29 February 2024

An associate professor of Radiology at the University of Rochester School of Medicine, Stafford L. Warren, was commissioned as a colonel in the United... 174 KB (21,192 words) - 23:52, 11 March 2024

upon initial probing. Finck argued for a complete radiological survey of the body, and Humes suggested they conduct a complete autopsy. This angered Burkley... 57 KB (6,519 words) - 22:11, 11 March 2024
University with a B.S. in Zoology. She earned her M.D. from the University of Arizona College of Medicine. She is Board Certified in both Radiology and Clinical... 20 KB (1,298 words) - 05:43, 19 November 2023

Paleoradiology (ancient radiology) is the study of archaeological remains through the use of radiographic techniques, such as X-ray, CT (computer tomography)... 19 KB (2,574 words) - 22:21, 3 December 2023

of Radiology and a member of the Simmons Comprehensive Cancer Center. Before joining UT Southwestern, he was the Michel M. Ter-Pogossian Professor of... 21 KB (1,674 words) - 11:49, 26 February 2024

[citation needed] With IDW's revival of G.I. Joe: A Real American Hero, which picks up immediately following the final issue of the original Marvel Comics run... 67 KB (404 words) - 20:08, 4 March 2024
descriptions, given in broadcast order on its original network ABC. There are a total of 97 episodes produced and broadcast among its four seasons from September... 64 KB (1,504 words) - 09:35, 8 December 2023