PRCT 353: Clinical Placement 1

Image Critique Introduction

MRT Program

Overview

- Purpose of image critique
- Image critique in clinical placement
- Resources that will help you
- Critiquing practice

Purpose of Image Critique

- Present images, evidence of work
- Review diagnostic value and quality of image(s)
  - Anatomy best demonstrated
  - Evaluation criteria
  - Technical factors
  - Pathology
- Opportunity to learn from preceptors & site liaisons
- Opportunity to learn from mistakes
- Achieve logbook lines

Process of Image Critique

- Perform case without preceptor assistance
- Supervising technologist verifies performance
- Prepare for image critique session
  - Review
  - Prioritize
- Present images to site liaison / instructor
- Only very high quality images will be approved for your logbook.
  - Not all cases will qualify for logbook entry

Important Information for Students

- ALWAYS follow site protocols
- Lead numbered markers must be visible on all images
- Markers must be placed lateral or anterior to anatomy
- Avoid turning the collimator box when possible
- Never delete or repeat images without preceptor supervision.
- Document, document, document!

Resources

- Use Image Critique Handbook – available for download to your iPad in D2LBrightspace

- Required Textbook & Workbook:
  - "Radiographic Image Analysis" – Kathy McQuillen Martensen

- iPad app by iCat Solutions if available:
  - iRad X-rays
  - X-ray Anatomy

- Lange: Radiographic Positioning Flashcards

- Practice! Practice! Practice!

Include In Your Presentation

- Introduction of the important facts of the case
- Identify each view
- Identify the anatomy best demonstrated & what anatomy must be included on image.
- Collimation, Marker Placement, Technical Factors
- Comment on positioning & centering (i.e. – is there evidence of rotation, why or why not?)
- Identify any pathology or artifacts
- Suggest improvements, if necessary
- If your image is excellent, say so!

I'll Go First!



Case courtesy of Jessica Hui Shi Ng, Radiopaedia.org, rID: 71804



Case courtesy of Kellie Grant, Radiopaedia.org, rID: 40336



Case courtesy of Assoc Prof Craig Hacking, Radiopaedia.org, rID: 37482



Image courtesy of AHS



Image courtesy of AHS

Summary

- Takes practice and preparation!
- Formal & Informal
  - As much of both as you can
- Resources
  - Image Critique Handbook
  - Radiographic Image Analysis
  - Online apps & websites
- In clinical placement
  - Site liaisons & instructors
  - Learning moments vs. evaluation
  - Great place to start!