



Tips for Getting the Best Images

Disclosures

- None

Objectives:

- Understand importance of good images
- Learn best ways to get images for exam
- Arrows, annotation, etc. – what to do?
- Protected Health Information
- PowerPoint – *caveat emptor*
- Simple instructions!

The Case for Good Image Quality

- ABR exams should have the highest-quality images
 - Facilitate best chance to get answer right
 - Not distract candidates/diplomates
 - Home computer may not be best
 - Mitigate complaints

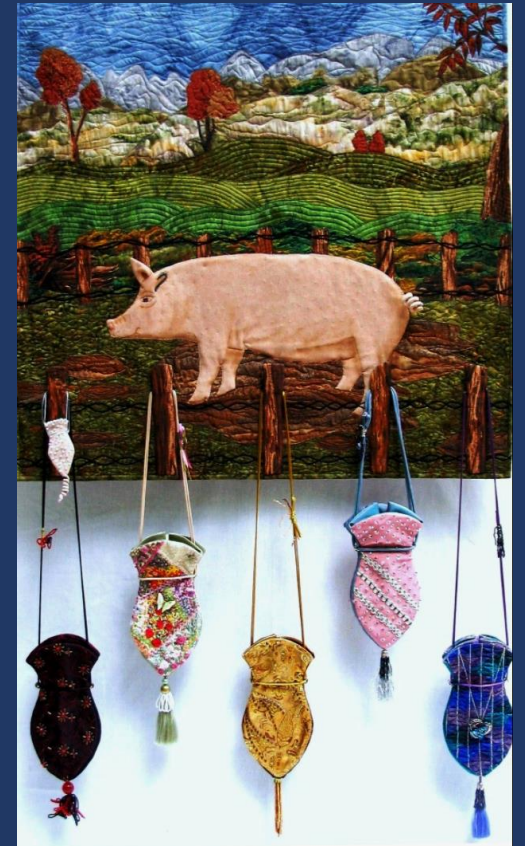




Top Ten Tips for Best Images

Number 1 -Start with a good case!

- If images are blurry, rotated, bad technically = find another case
- Manipulation won't fix a flawed image
- Old cases look old
- If can't find a new example – maybe too rare?



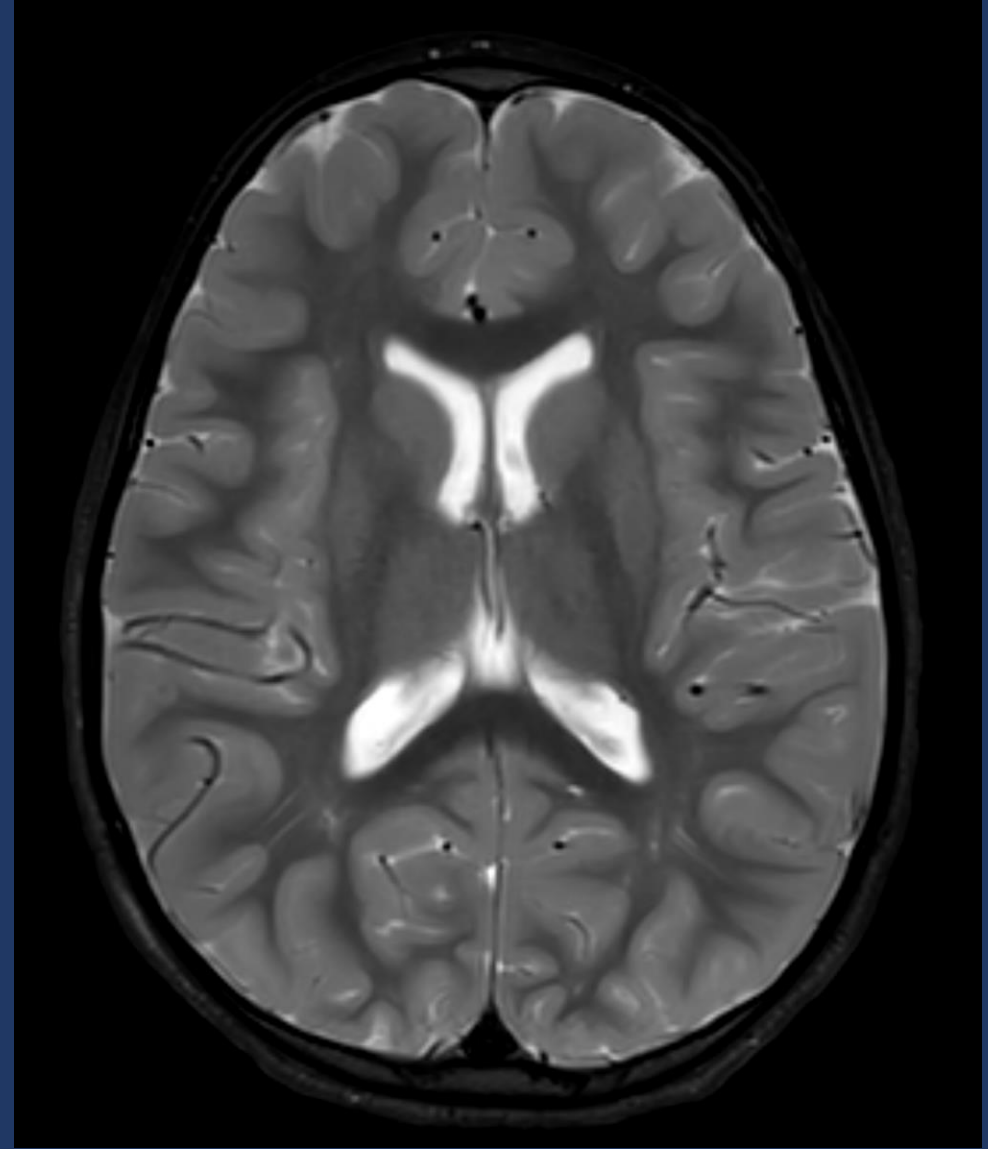
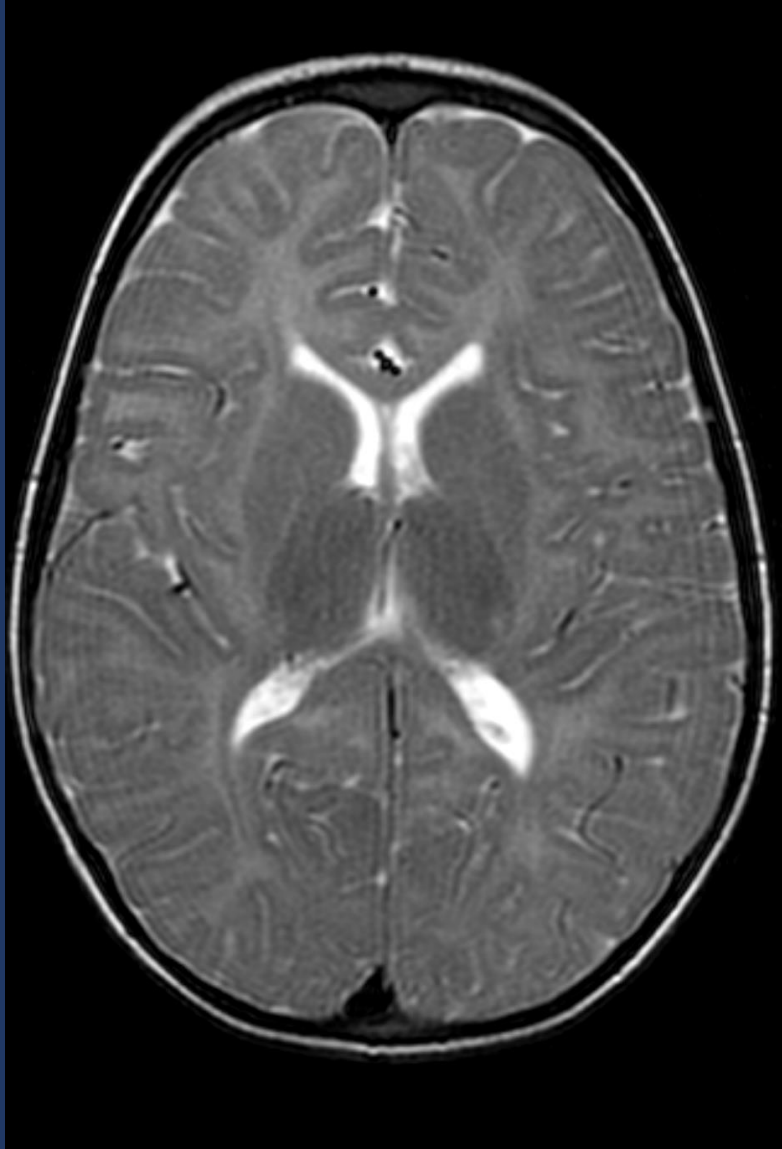
Two Renal Images – early 2000s vs 2020s



Cranial US – early 2000s vs 2020s



MRI Brain Axial T2 - early 2000s vs 2020s

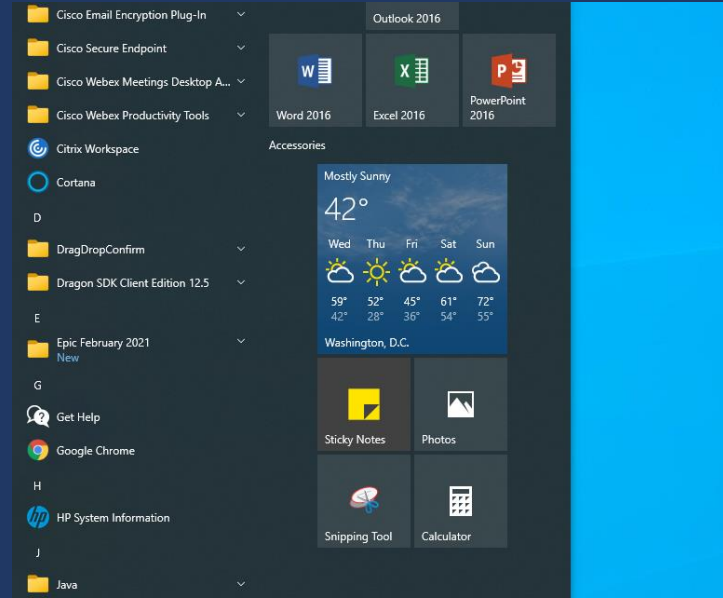


Number 2 – Image Sources

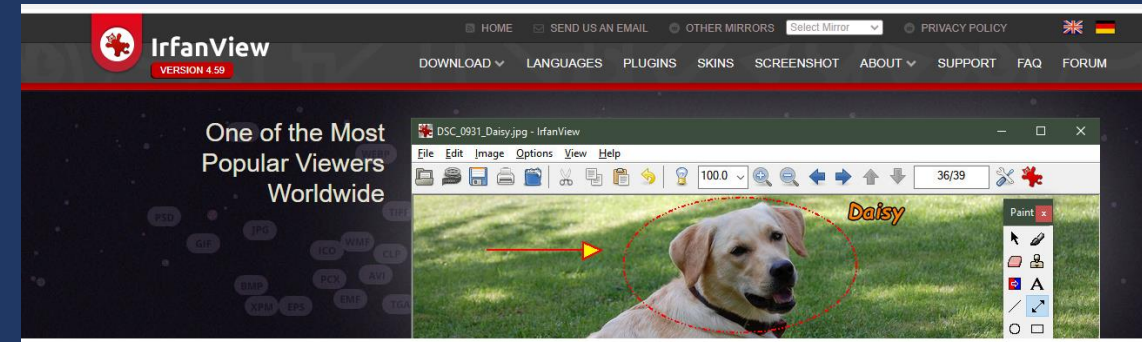
- No images from:
 - Internet
 - Publications
 - Books
 - Presentations
- Safest option – BYOI (bring your own image)
 - Use current material

Number 3 -Find program to save images

- Likely options
 - Snipping Tool
 - Snagit
 - IrfanView



- Don't recommend full-screen captures



Number 4 -Decide where you are going to Save images

- Create folder in computer/cloud
- Keep images there
- Figure out naming convention
 - Helps to have patient info later on
- Best format = png
 - Others are fine = jpg, tif
 - No DICOM downloads – too much info, PHI

Number 5 -Remove extra info from screen

- Extraneous or prohibited items:
 - Protected Health Information
 - Tabletops, blankets, artifacts
 - US screen data information
 - Image numbers or compression information
 - Cursors
- Turn off *Image Overlay* before capturing image
- Eliminate anything distracting!

Number 6 – No arrows or annotations on images

- DO NOT put any arrows on image before capture
 - ABR has specific arrow formats
 - Once arrow is on, it's hard to eliminate
 - Same for labels and image annotations
- Needed arrows or any other mark-ups, can be added once uploaded using the RADS tools

Number 7 - Makes Images Big on Screen, then Capture

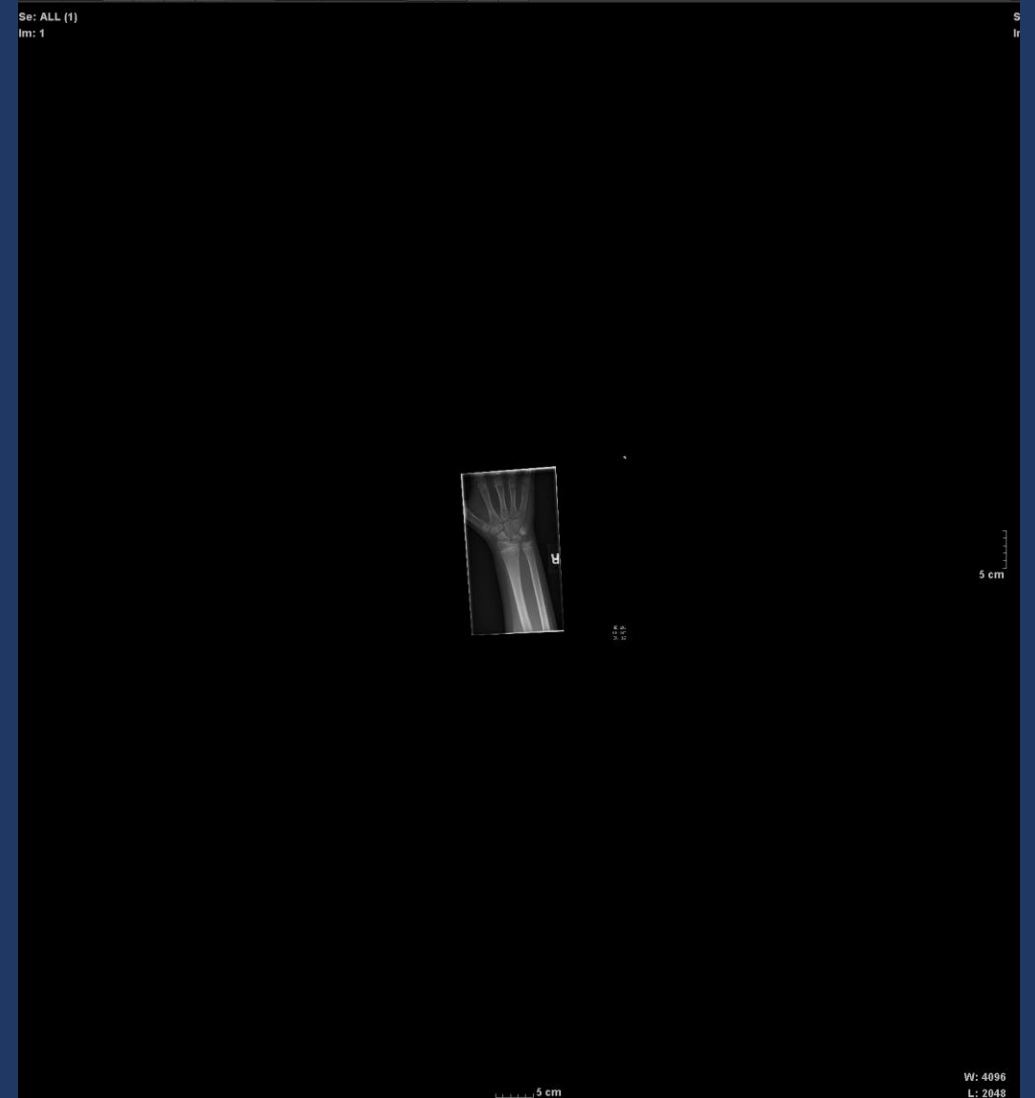
Snipped with Full-screen (165 KB)



Snipped with small image on screen (28 KB)



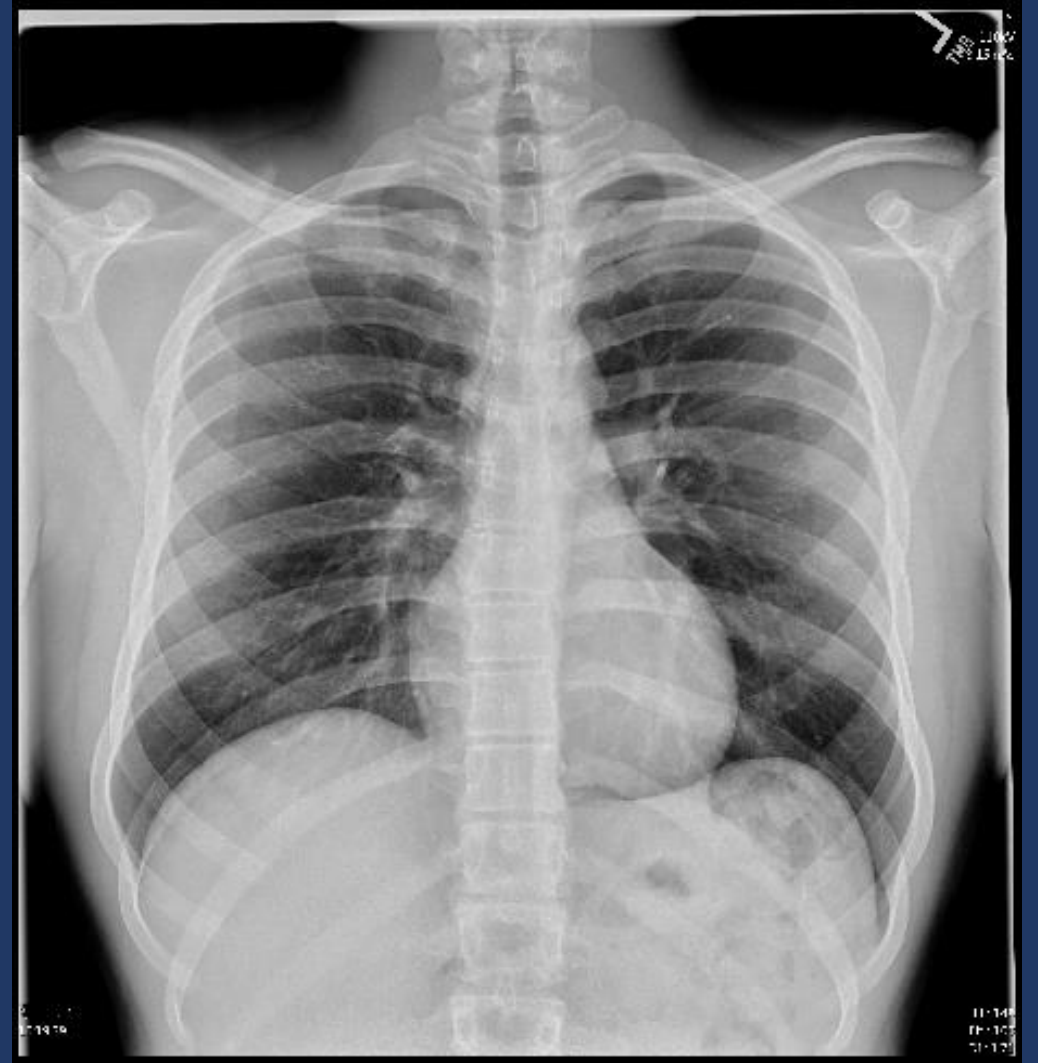
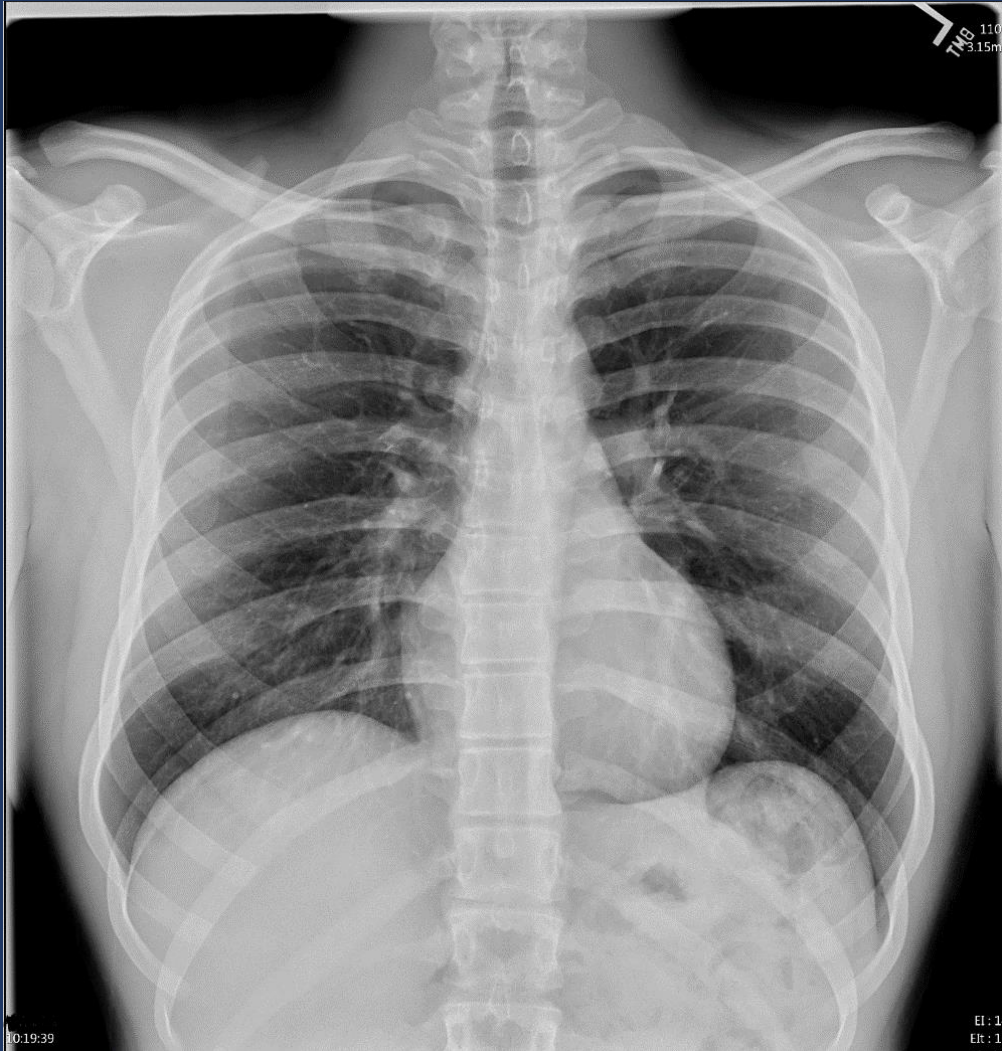
Capture Big Images!



Snipped from big image vs small



Big vs small – more subtle



Number 8 – Protected Health Information (PHI)

ABR

AMERICAN BOARD OF RADIOLOGY

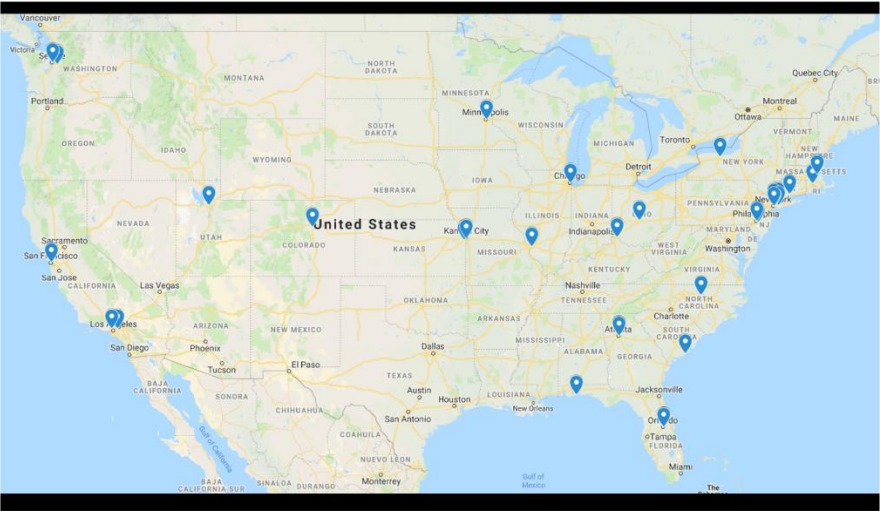
DEMO

Home Help Stephen Farrow Simoneaux, MD

We will be performing scheduled site maintenance Thursday, March 3rd from 11 a.m. to 11:15 a.m. EST. You will be unable to access the site during this time.

Review Images for PHI Violations

PHI Violations ⓘ



There is no PHI that violates HIPAA privacy rules in this image.

☐ I Attest

Cancel

This Image Has PHI Violations

Submit

The following elements are considered a violation:

- Name
- Date of birth, age
- Any dates
- Address, geographic identifiers
- Account/Healthcare plan #'s
- Social security #
- Medical record #
- Phone or fax #'s
- Driver's licence #, vehicle identification #
- Email address, IP address or URL's
- Biometric identifiers (prints, etc.)
- Serial # or device identifier
- Eyes should be cropped or masked out of facial photographs
- If the eyes are necessary, only the eyes should be visible, with everything else cropped or masked

Removing Image for PHI Violations

You will be returned to the question builder, and the original file will be deleted permanently from our servers and cannot be restored. Do you wish to proceed?

Cancel

Yes, remove image

PHI Continued

- US and NM- Name can be difficult to filter out
 - Screen captures in PACS
 - Turning off Overlay does not help
 - The info is embedded into the image when taking a screen capture
- Any dates: remember to exclude

Number 9 - PowerPoint – beware!

- Snipping from PP copies a degraded image
- Exporting may reveal PHI
- Exporting may decrease image size from what is shown
- Best not to get images from PowerPoint



Original



Snipped from PP



Saved from PP and attached



Test of PowerPoint

Original Image

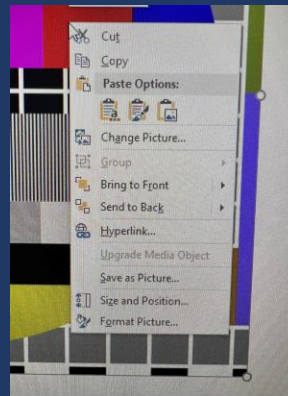


Cropped Image



PowerPoint Example

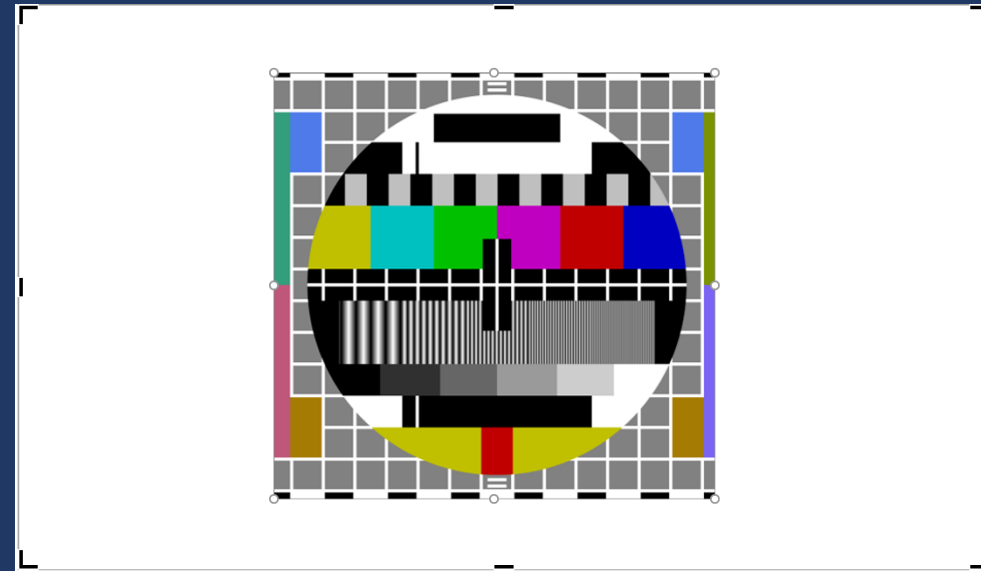
Cropped Image



Cropped Image (Right Click – **Copy**)



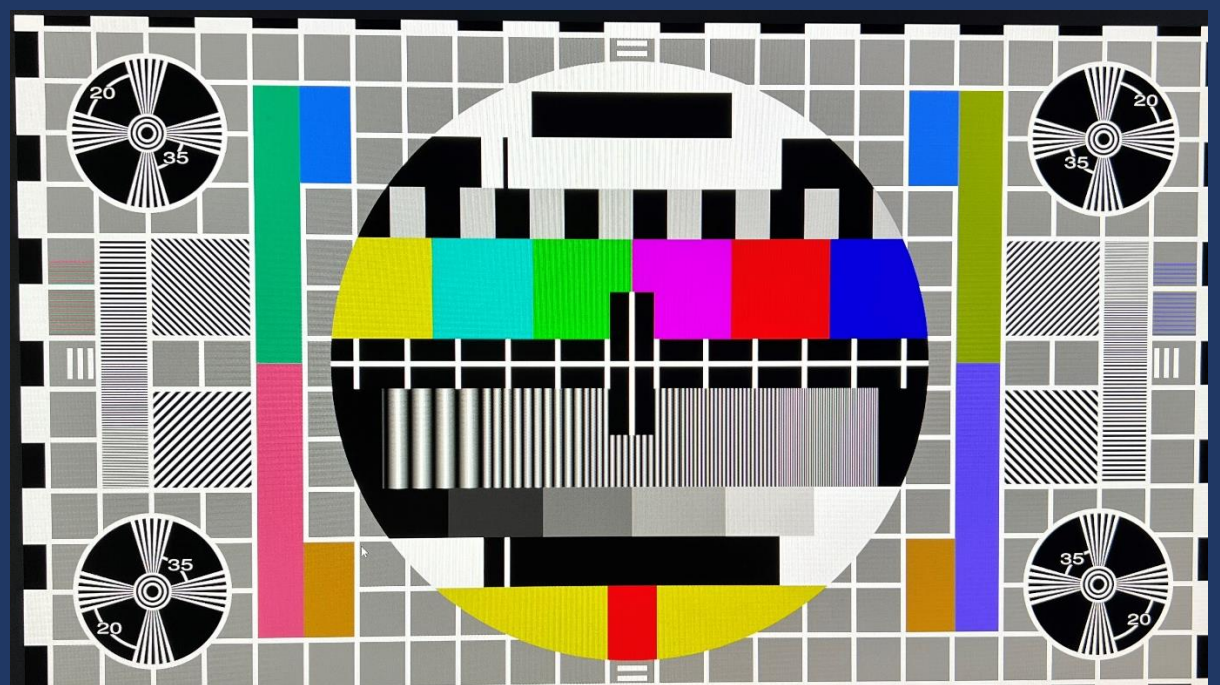
Cropped Image (Right Click – **Save As Picture**)



Number 10 -Don't take picture with Camera on Phone

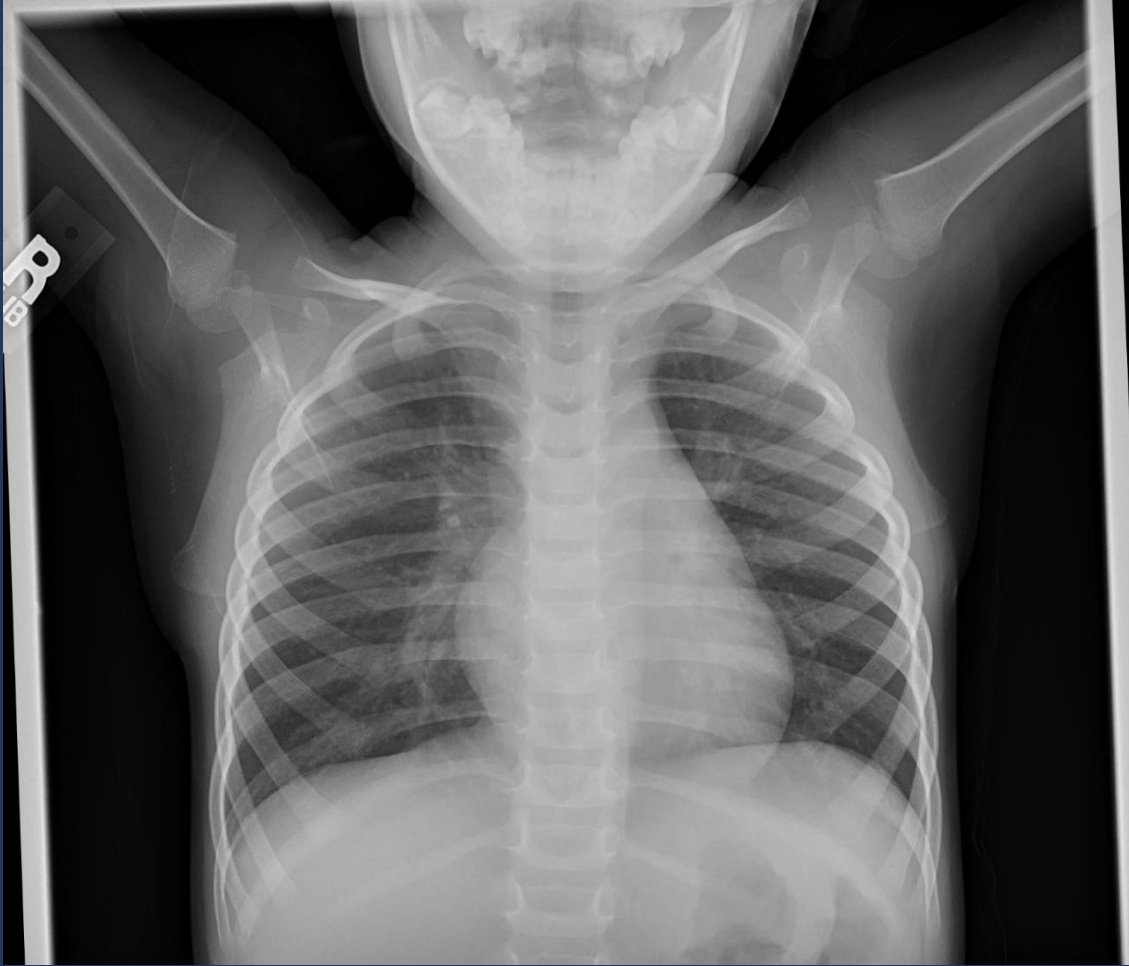


Original

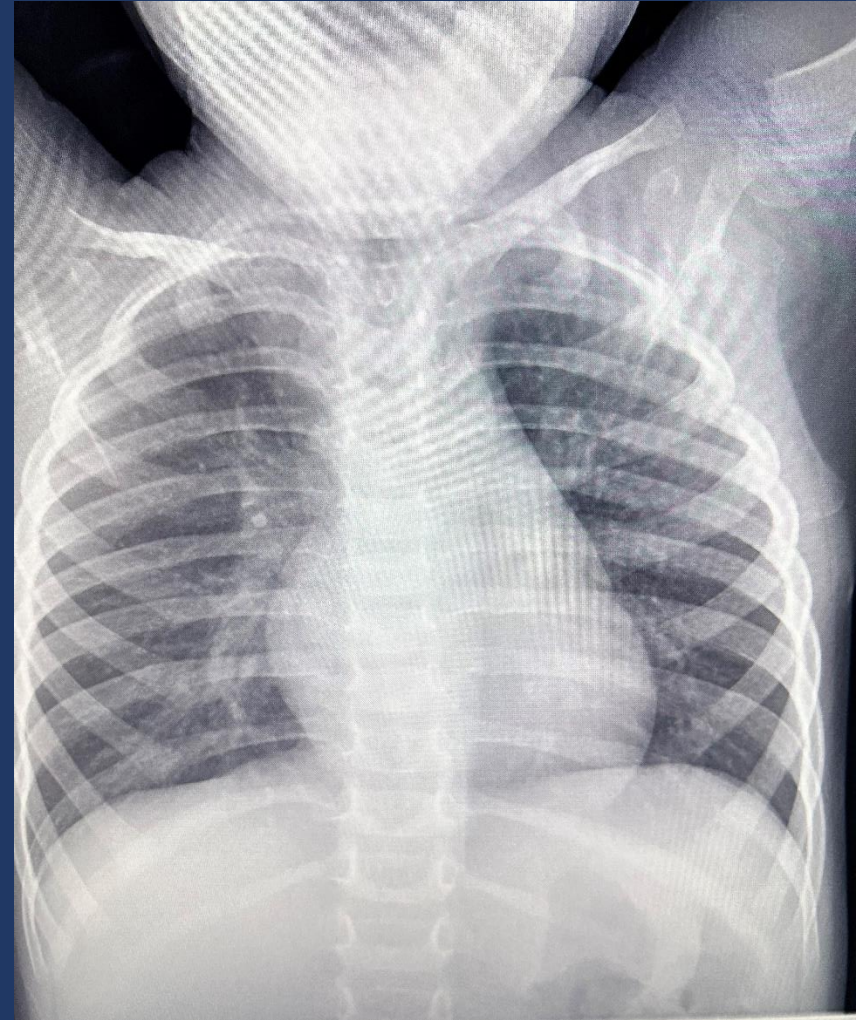


From iPhone 13 Pro

Number 10 -Don't take picture with Camera on Phone



Original



From iPhone 13 Pro

Conclusions

- Choose a good modern-looking case
- Use your own images
- Make the images big before capturing
- Get rid of any unneeded screen info
- No PHI (don't forget dates)
- Don't use PowerPoint or phone for images

- And have fun getting the best cases!