

**Attention: All Providers at MHMH****What is changing?**

- **Intelerad IntelViewer** is the new radiology image viewer within Meditech.
- Images before 7/1 may still open in Synapse.

**Who is affected?**

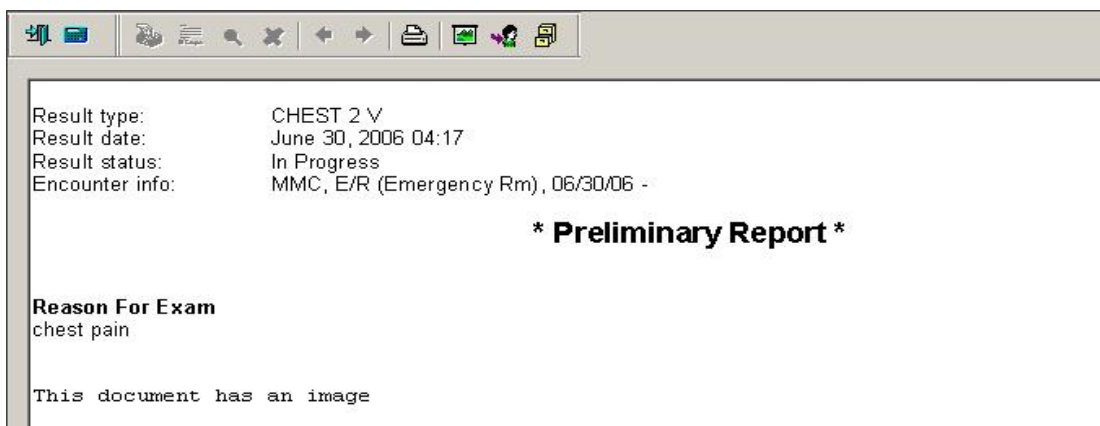
- Providers, RNs, and those viewing radiology images at Manistee Hospital in addition to MMC, Cadillac, KMHC, POMH, Grayling, and Charlevoix.
- Ambulatory providers, RNs, and MAs viewing radiology images.

**Why is it changing?**

- Improved ability to interpret and view images from all facilities.
- Improve readability for Radiologists.
- Optimize provider workflow.

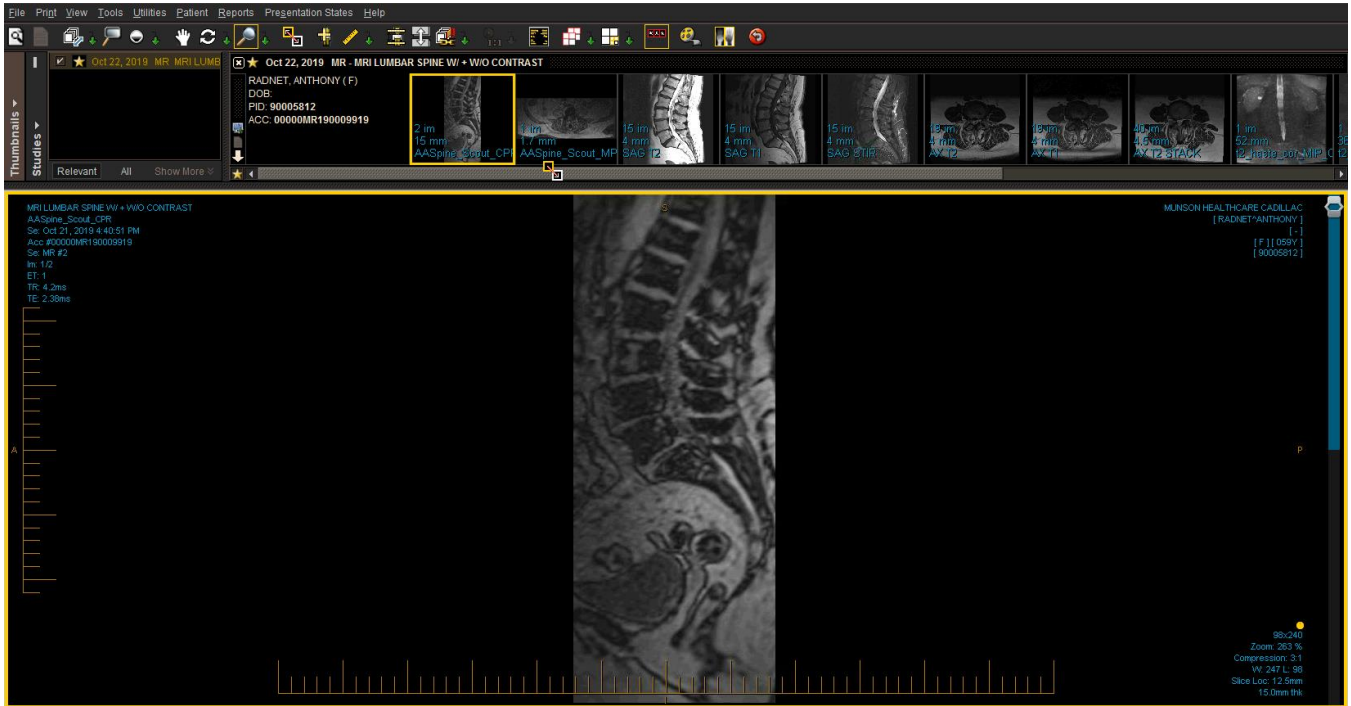
**Accessing images from IntelViewer via Meditech:**

- **Open** patient chart
- Provider **selects** the study for review from any of the following:
  - a. Acute Workflow
  - b. Results Review
  - c. Clinical Notes
  - d. Documentation
- IntelViewer opens for review of radiology results.
- Once report opened, continue to access image by **selecting** Image Viewer icon.




## Viewing images:

- When IntelViewer opens, the selected study appears.
- Left click and drag image down into window.



## Image viewing window:

- The image viewing window allows the provider to **select** from a list of relevant studies.
- **Relevant Viewing Window:**
  - Image(s) will appear as thumbnails.
  -  Indicates current study viewing.
  - Colors will indicate previous studies.



Previous studies.

**Relevant studies** are those specific to the body part of the opened study.

**All studies** include all radiology studies for the patient.

## Selecting studies and navigating images

- **Left click and drag** the desired thumbnail to the desired image viewport.
- Use your **right or left arrow keyboard keys** to navigate between thumbnails.
- To navigate a series of images:
  - **Center scroll**
  - **Up and down arrow keys**
  - **Viewport scroll bar**

## Adding multiple windows to the layout

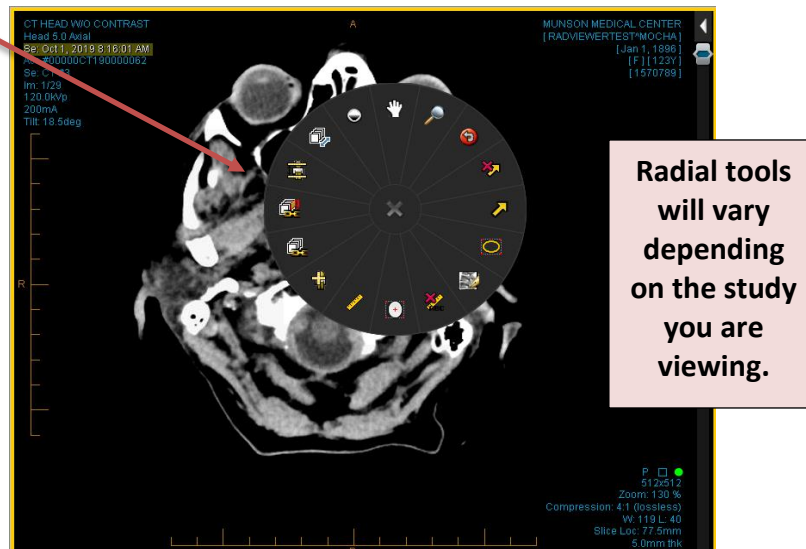
- It is possible to pull multiple studies down to view in image viewports.
- From the tool bar, **select** the series layout icon, **click** green arrow for drop down menu or use the **keyboard shortcut** (Number keys 1-9).
- The active viewport has a yellow border surrounding it.



## Image Viewports

A screenshot of the image viewer interface with three callout boxes. The 'Available Studies List' box points to the left sidebar containing a list of studies with checkboxes. The 'Selected study/study thumbnails' box points to the top row of thumbnails, where one thumbnail is highlighted with a yellow border. The 'Viewport scroll bar' box points to the vertical scroll bar on the right side of the main image viewport. The main image viewport shows a CT scan of the head and a sagittal MRI scan of the spine. Technical details like 'Zoom: 130%' and 'Compression: 4:1 (lossless)' are visible at the bottom of the viewports.

**Radial menu:** To access the Radial tool menu, **right click** on the desired view. Left click on the desired tool.



### Tools and shortcuts key

Tool Button	Function	Keyboard Shortcut	Tool Button	Function	Keyboard Shortcut
	Stack Through - the Images in a series.	<b>S</b>		Show or Hide Reference Lines.	<b>R</b>
	Magnification option.	<b>G</b>		Auto Linked Stacking of images in same plane.	<b>L</b>
	Contrast window level - Left click and drag to change contrast.	<b>W</b>		Text Overlay – add/remove text overlay on image.	<b>O</b>
	Pan - select then left click and drag to pan.	<b>P</b>		Select # of screens for layout.	<b>Number Keys 1-9</b>
	Rotate image - Click and drag to rotate.	<b>Shift + R</b>		Select layout images within a series window.	<b>CTRL + 1-9</b>
	Zoom in/out.	<b>Z</b>		Add/remove the study list and thumbnail strip.	<b>T</b>
	Drag and Swap images to new position.	<b>D</b>		Play images in video format (i.e ultrasound imaging)	<b>CTRL + I</b>
	Linear Measurement – picture changes based on selected tool.	<b>M</b>		Image inversion	<b>I</b>
	3D cursor – Left click and drag	<b>C</b>		Reset images within selected viewport except measurements or text.	<b>CTRL + Backspace</b>

For questions, contact the Help Desk at 231-935-6053