

Demonstration of IntelViewer

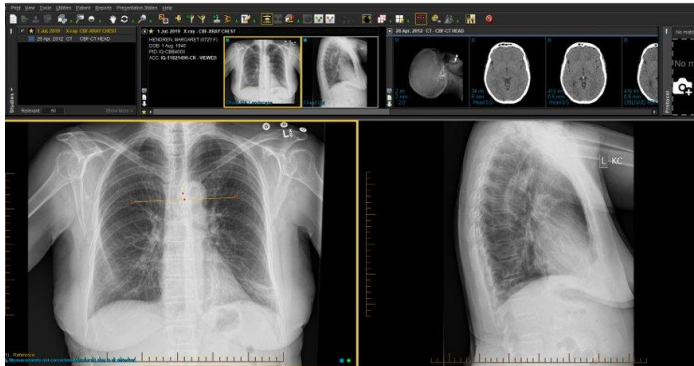
January 2023



I-MED Radiology
Network

Comprehensive care. Uncompromising quality.

Key Learnings



Getting Started – Account set up

Adding Bookmarks for I-MED images

Viewing Patient Images and Reports

How to use the BREAKGLASS Feature

Viewing and Exporting Reports

Navigating through your patient's images

Manipulation

Exporting JPEG images

Exporting DICOM files

Manipulation of Volumetric (3D)

Checking for Intelviewer update

Intelconnect and Intelviewer

Changing your Password



Why IntelViewer?

- IntelViewer is primarily used by specialists
- Enhanced image manipulation tools
- IntelViewer is commonly used by other Radiology providers
- Export DICOM files for specific surgery protocols
- Requires installation. Reliable. Alternative
- Compare studies
- Advanced Multiplanar Reformatting



Account set up

Apply for an account via simple registration on I-MED Online – Website

(<https://portal.i-medonline.com.au/apply>)

RIL – must specify users needs direct IV

Username and Password will work for metro I-MED Online and IntelViewer

One time sign in to IntelPacs to accept T&Cs



Installing IntelViewer

- Latest installer is found on our website
- Can choose the download for Windows or MAC
- Takes about 3-10 mins depending on network



64-bit Windows Installer

[Download IntelViewer MSI](#)

[Additional Installation Options](#)

Mac OS X Installer

[Download IntelViewer](#)

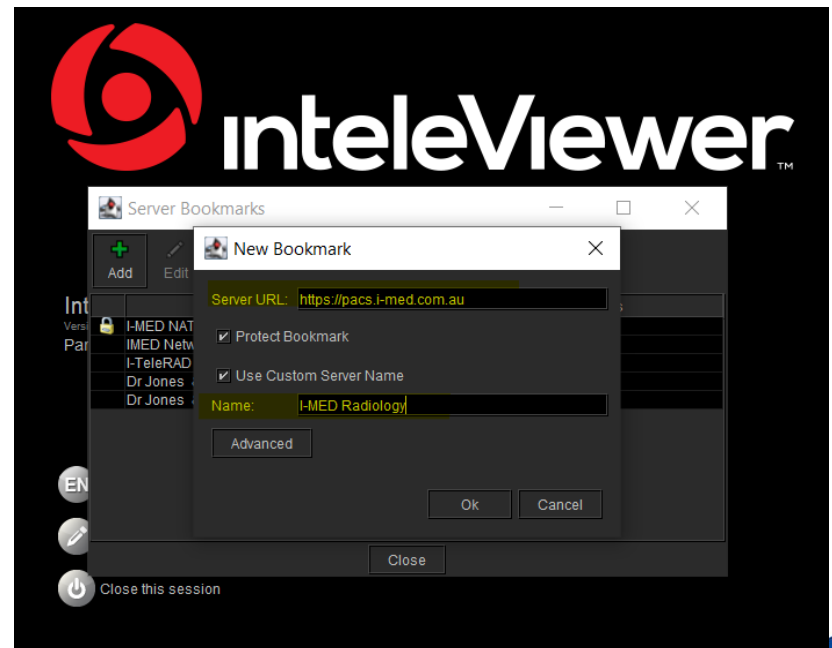
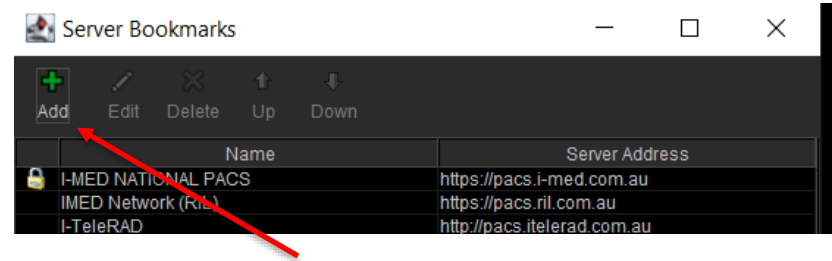
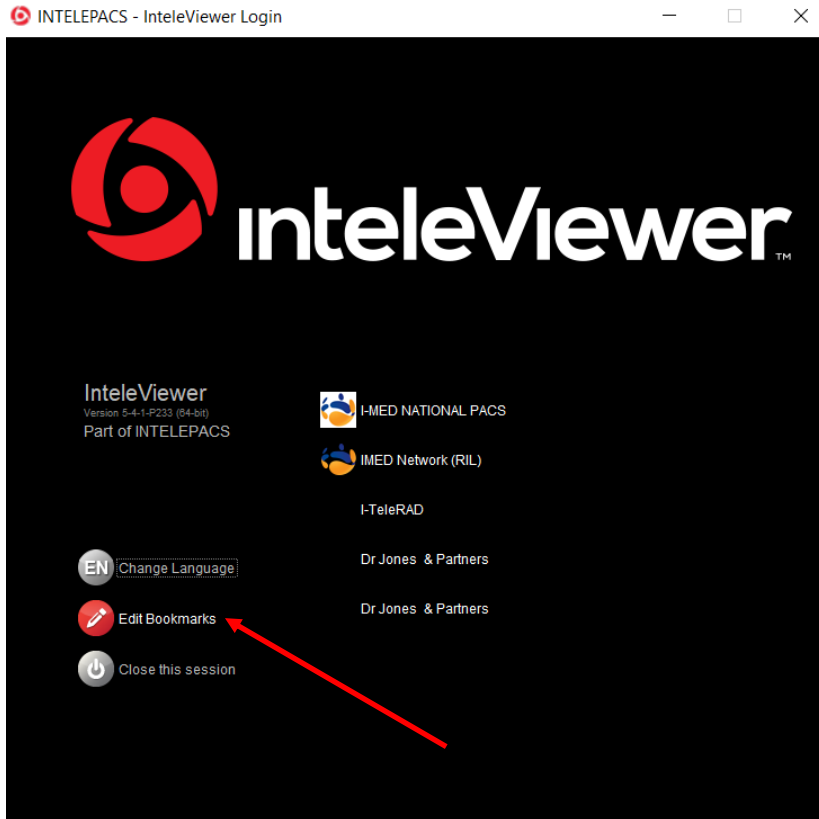
Step 1: Install IntelViewer™

1. In your web browser, go to the following address:
<https://pacs.i-med.com.au/IntelViewer-tracks/enterprise/> (Note: address is CASE sensitive)
2. Download the relevant IntelViewer™ Installer (Windows 64-bit or Mac OS X)

For Windows: Choose Run from the popup window to install.
For Mac: Double-click the downloaded file to install and drop it into the applications folder.
3. Accept the Terms and Conditions and click Next.
4. Click Next on any further screens that pop up.
5. The Install Complete screen will appear when it has finished.



Adding a bookmark

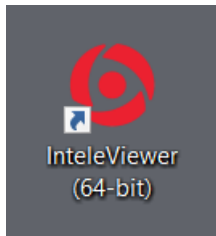


Bookmarks

- <https://pacs.i-med.com.au> (Metro areas)
 - <https://pacs.ril.com.au> (VIC: Gippsland, Bass Coast, TAS, NT, NSW: Riverina Region, Albury/Wodonga, Wangaratta)
 - Updating old bookmark (MIA)
-
- Ensure the Protect Bookmark tick-box is checked
 - Check the Use Custom Server Name tick-box
 - Enter Name: I-MED Radiology



Logging into Intelviewer



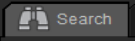
Step 1 - Launch IntelViewer by double clicking on the ICON on your desktop.

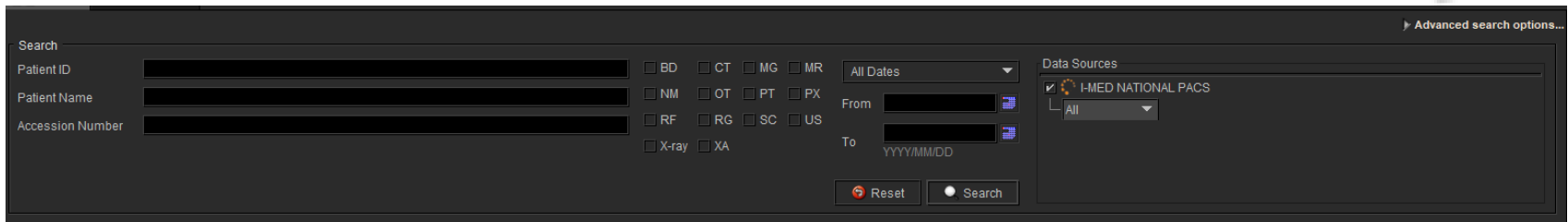
Step 2 - Log into I-MED PACS account by clicking on the I-MED Logo.

Step 3 - Enter Username and Password then click on the arrow icon. IntelViewer will now be launched.

A screenshot of the I-MED PACS login form. It has a red background. At the top left is the I-MED PACS logo. Below it are two input fields: 'Username:' and 'Password:'. To the right of the 'Username:' field is a dropdown arrow. Below the 'Password:' field is a 'Forgot Password' link. At the bottom right is a grey arrow button pointing right.

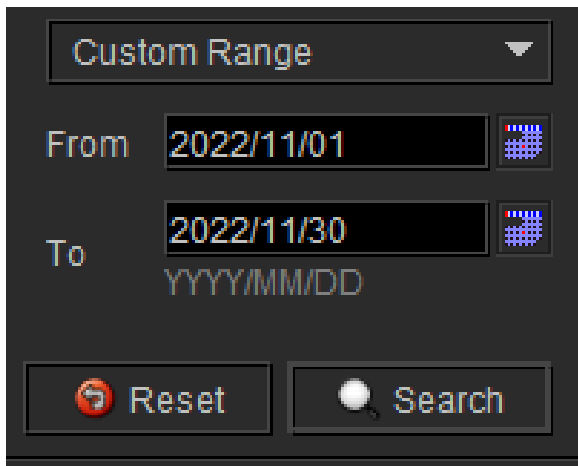
Patient Reports and Images

Click on the  Search tab. You can search referred patients by using their name (surname, firstname). Advanced search options are also available (click on “Advanced search options” on the top right-hand side



The screenshot shows a search interface with the following elements:

- Search** tab selected.
- Patient ID**, **Patient Name**, and **Accession Number** input fields.
- Modalities**: ☐ BD ☐ CT ☐ MG ☐ MR ☐ NM ☐ OT ☐ PT ☐ PX ☐ RF ☐ RG ☐ SC ☐ US ☐ X-ray ☐ XA
- All Dates** dropdown menu.
- From** and **To** date fields (format: YYYY/MM/DD).
- Reset** and **Search** buttons.
- Advanced search options...** link (indicated by a red arrow).
- Data Sources**: ☒ I-MED NATIONAL PACS, **All** dropdown.



The screenshot shows a date selection dialog with the following elements:

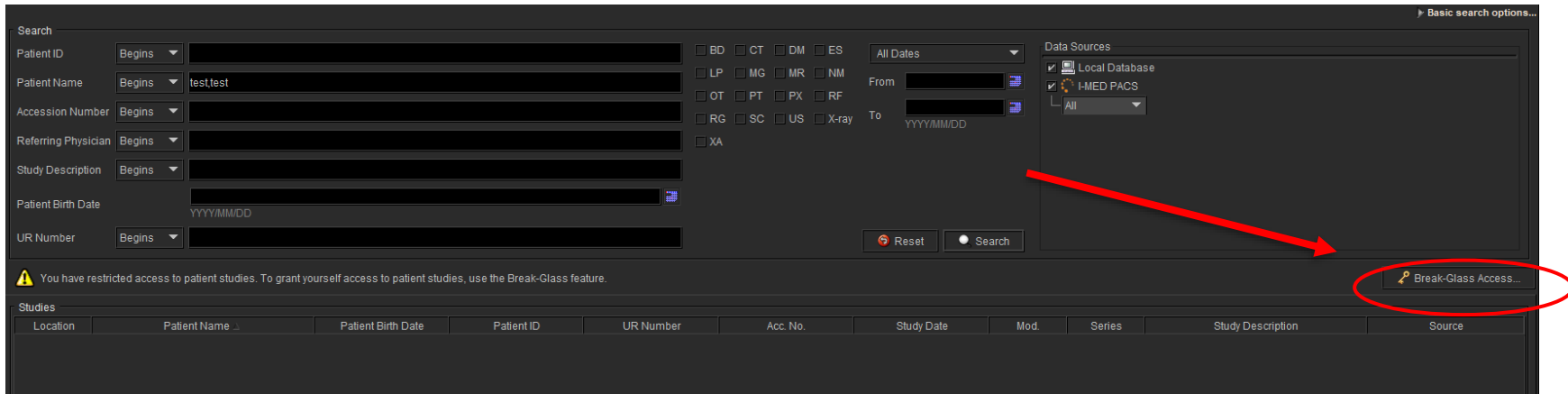
- Custom Range** dropdown menu.
- From** date field: 2022/11/01.
- To** date field: 2022/11/30.
- Reset** and **Search** buttons.

If referrers want to search their most recently referred patients, we recommend setting LAST 31 DAYS using the drop down, and then press SEARCH.



Using Break-Glass Access

To search for a patient not referred by the practitioner, click on the Break-Glass Access icon on the right-hand side of your Search screen.



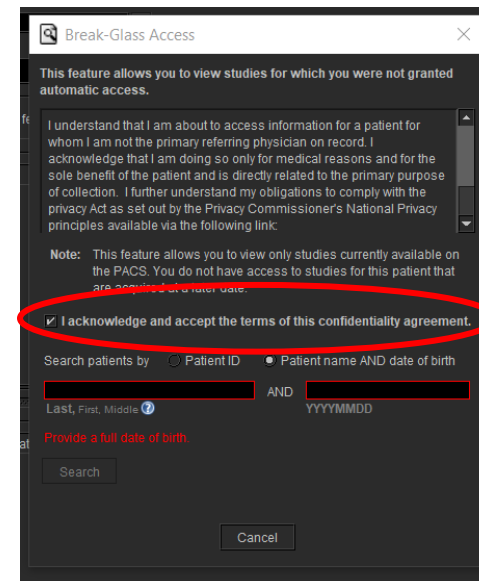
The screenshot shows a search interface with various input fields and a 'Break-Glass Access' icon circled in red. The interface includes a 'Search' section with fields for Patient ID, Patient Name (containing 'testtest'), Accession Number, Referring Physician, Study Description, Patient Birth Date, and UR Number. There are also checkboxes for different study types (BD, CT, DM, ES, LP, MG, MR, NM, OT, PT, PX, RF, RG, SC, US, X-ray, XA) and a date range selector. A red arrow points from the 'Break-Glass Access' icon in the bottom right corner to the 'Break-Glass Access' text in the 'Data Sources' section.

To use Break-Glass Access, you will need to agree to the terms of the confidentiality agreement.

Check the "I acknowledge and accept..." box to proceed

Enter Patient name AND date of birth.

Then Press SEARCH.



The screenshot shows a 'Break-Glass Access' dialog box. It contains a confidentiality agreement text, a note about the feature, and a checkbox labeled 'I acknowledge and accept the terms of this confidentiality agreement.' which is checked. Below the checkbox are fields for 'Search patients by' (Patient ID or Patient name AND date of birth), 'Last, First, Middle' (with a red arrow pointing to it), and 'YYYYMMDD' (with a red arrow pointing to it). A 'Search' button is at the bottom.

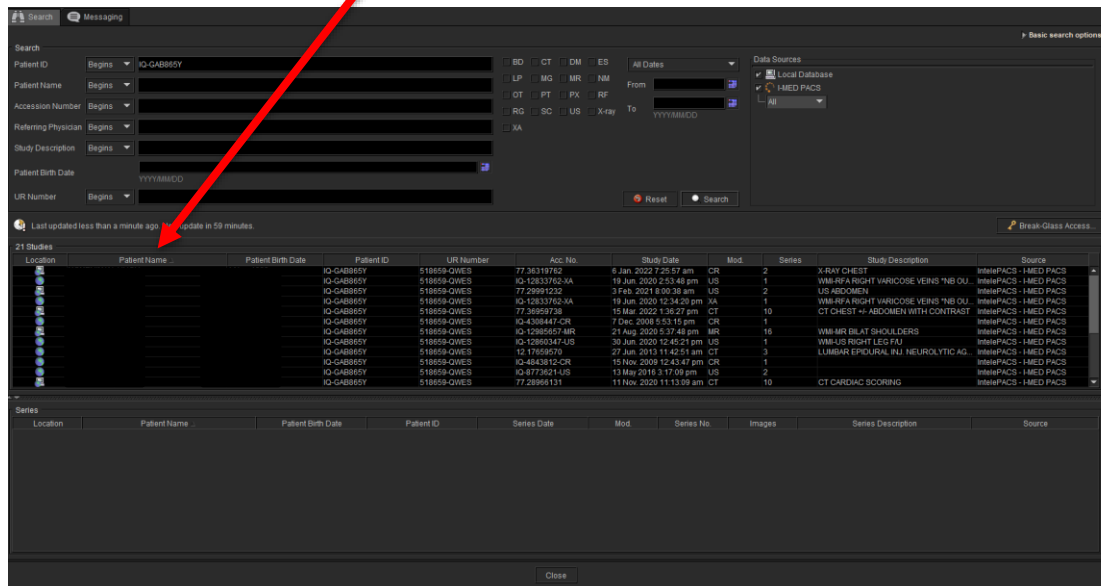
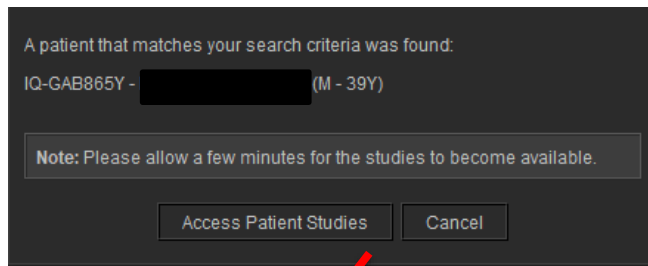


Using Break-Glass Access continued

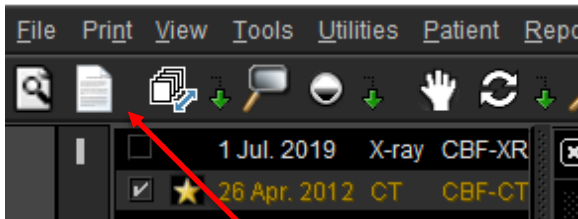
When the patient is found, click on [“Access Patient Studies”](#)

Depending on the internet speed it may take a little while to become available.

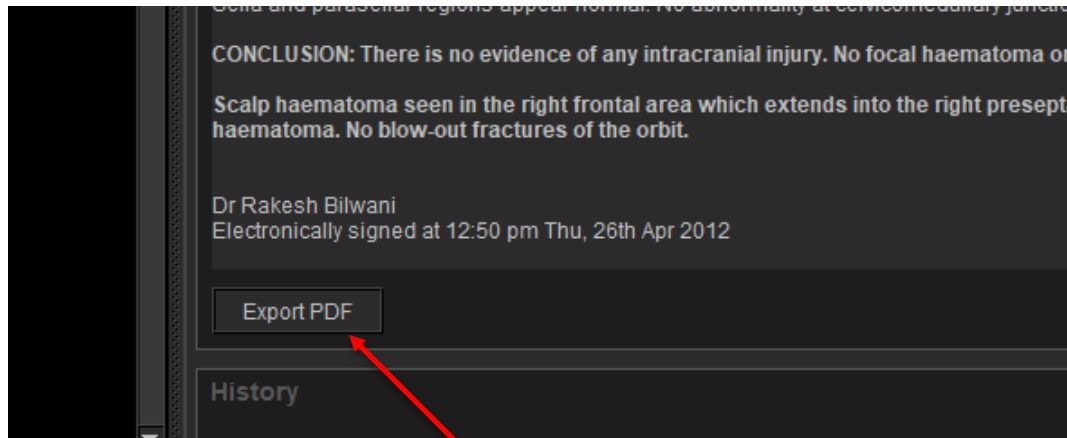
The patient's imaging will show in their search list when they are available.



IntelViewer Viewing and Exporting Reports



To view the patient's report, click on the report/Paper Icon. If this is missing let RST know







To Export and save a PDF copy of the report, click on EXPORT PDF (bottom right of report screen). Then Click on SAVE in the pop-up window.

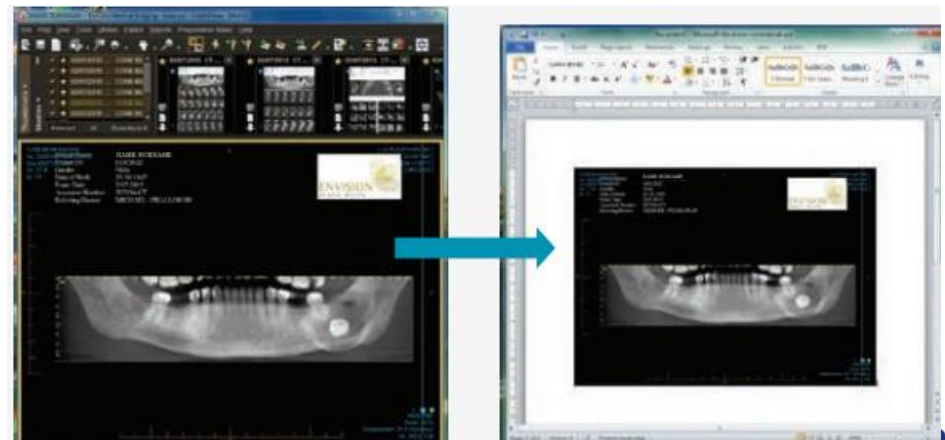
Referrers can save this report to their computer



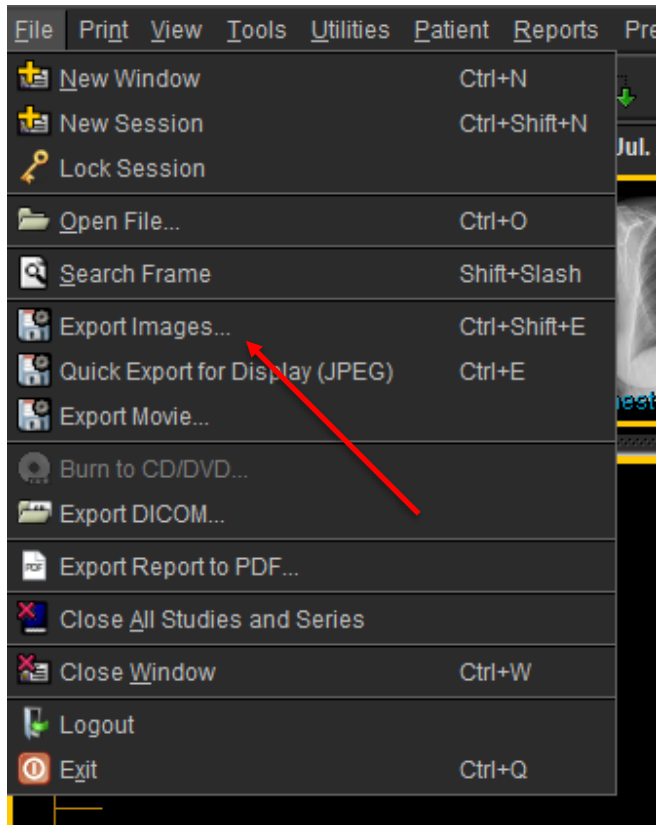
Inteleviewer Manipulation



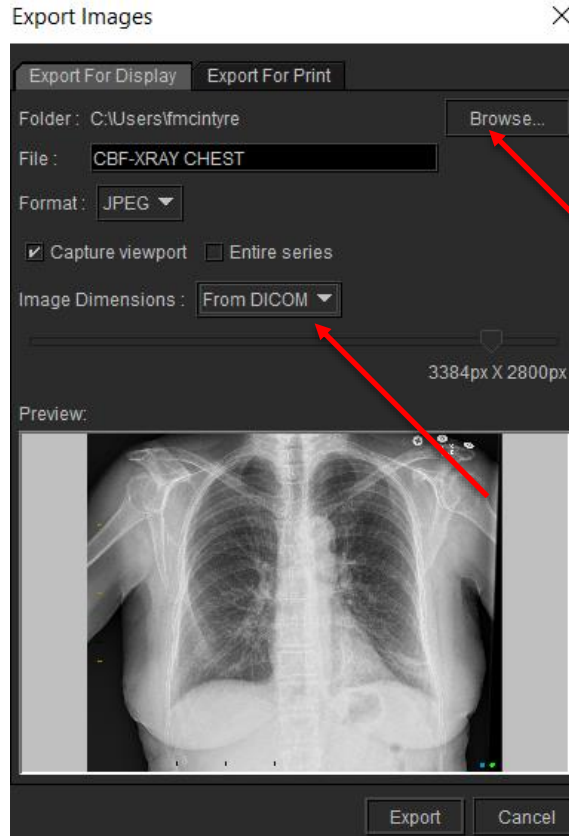
- Press numbers 1,2,3,4 on the keyboard to get different formats.
- Zoom - click on image and scroll with mouse in and out
- Ruler - This is set as a linear (cm) however there are a selection of ruler types from the drop-down box 
- Drag and drop - 
- Thumbnail view - 
- Reference Lines - 



Exporting Images



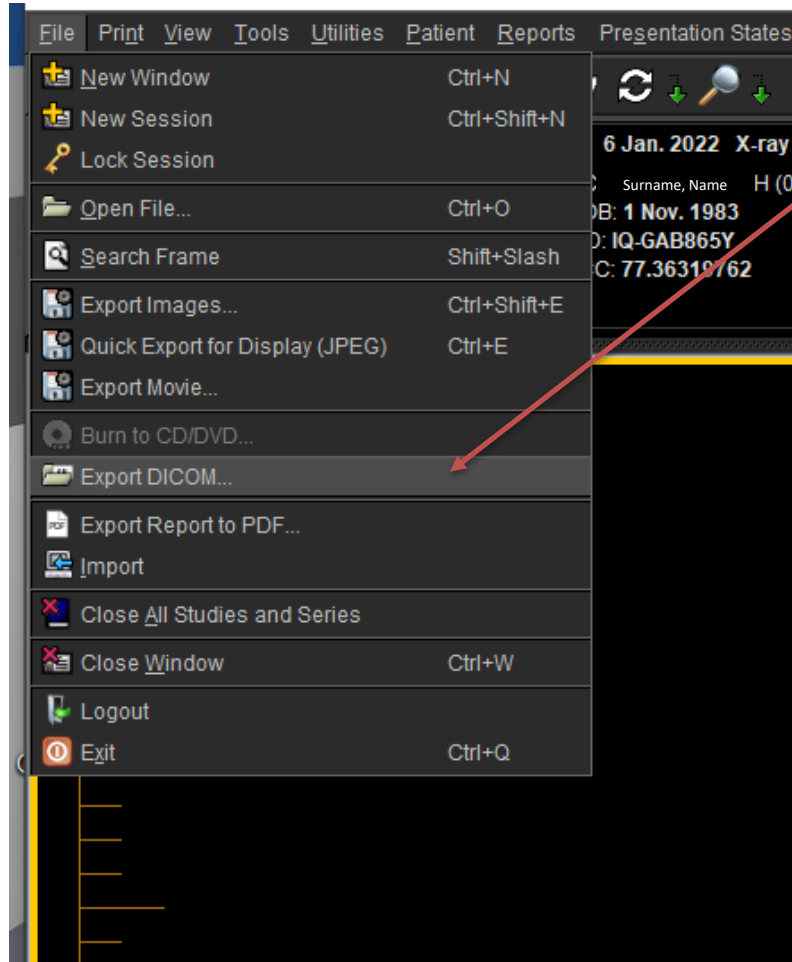
Find the patient
Open 'file' and then
select 'Export Images'



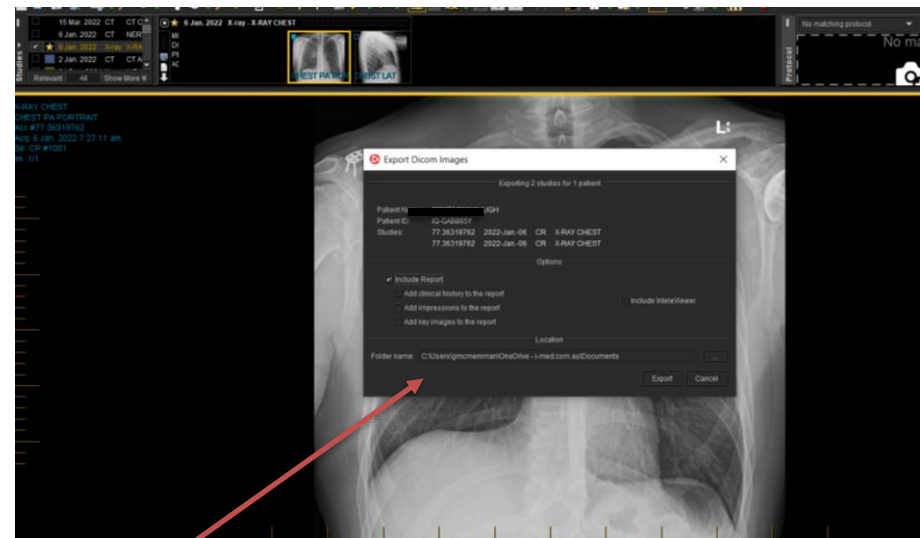
Use Browse to
select where you
would like to
store your file Set
to From DICOM



Exporting DICOM files



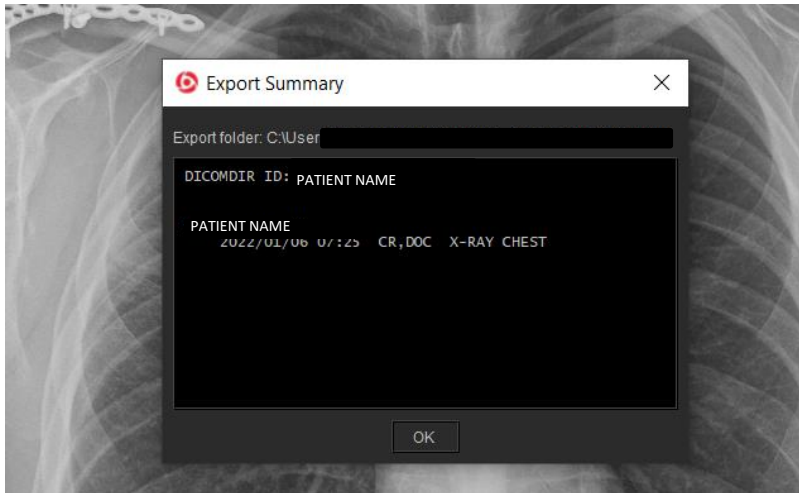
Open FILE and then select Export DICOM



You will now need to choose your Location for your DICOM Files. Then click SELECT FOLDER.



Exporting DICOM files cont



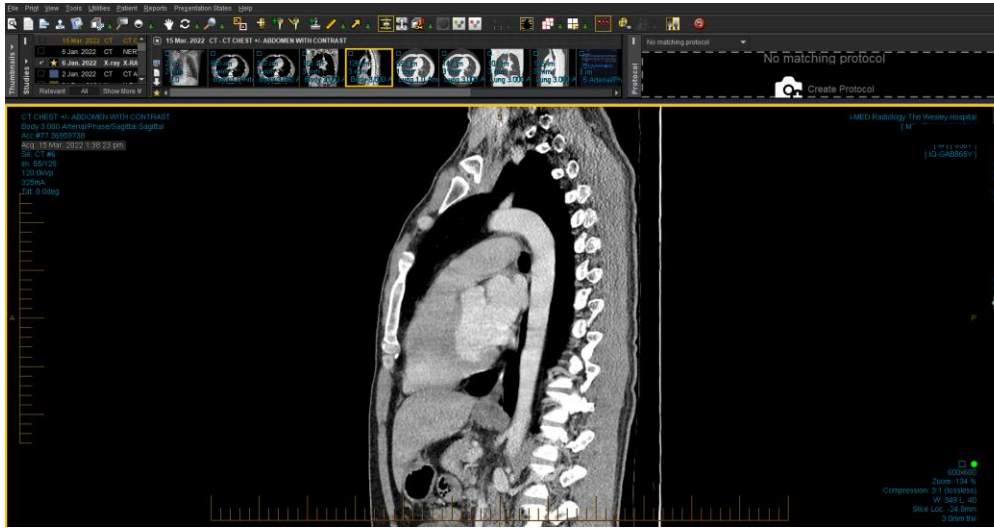
Once completed, an Export Summary will appear.

You can press OK, and your transfer is now done.



Manipulation of Volumetric (3d) Images

Manipulating the image in MPR mode: (Multi-Planar Reconstruction)



Find your fine slice data in your thumbnails and drag it down to the main screen.

The fine slice data will be the one with the most number of images



Click on the small arrow icon



Manipulation of Volumetric (3d) Images continued



This will open the MPR tool bar.



Click on the Four Square icon to switch to MPR Mode.
(MPR = Multi Planar Reformat)
This will open the MPR tool bar.

Continue...

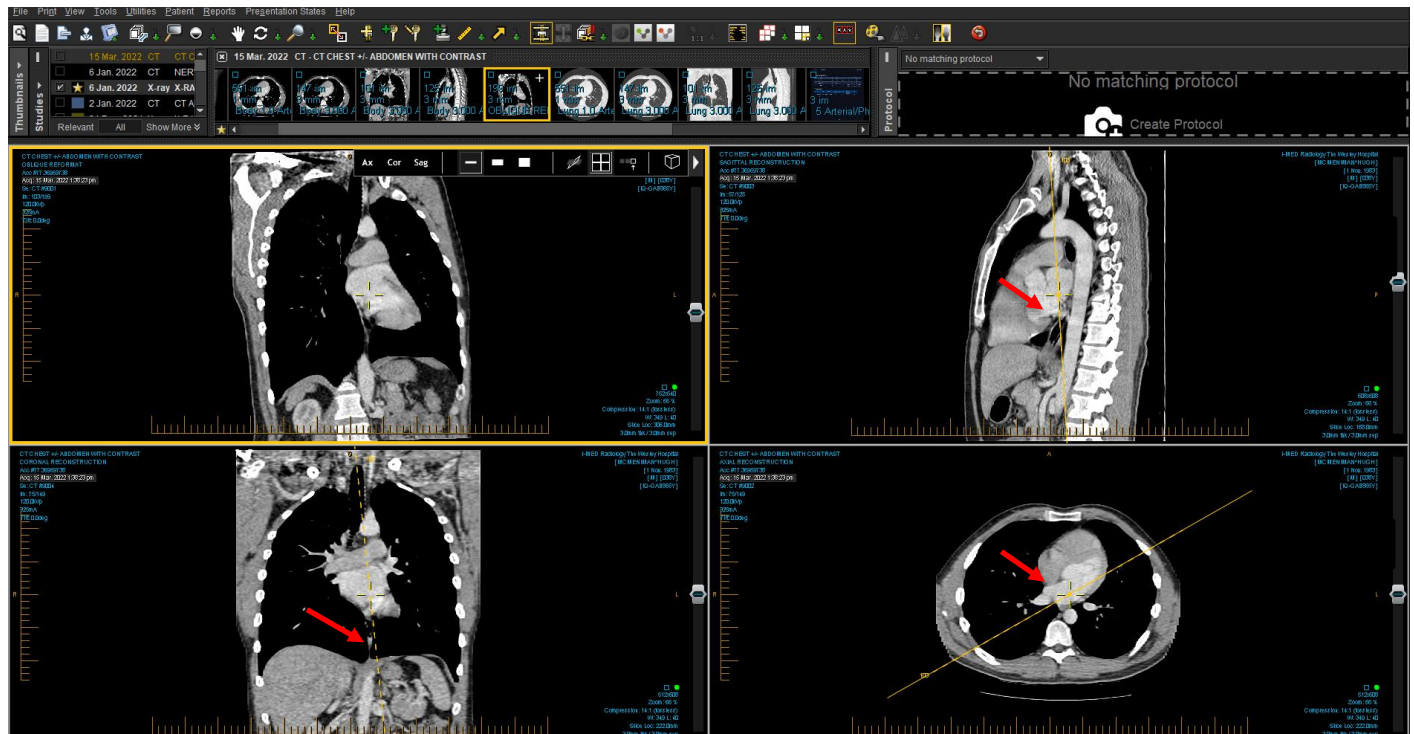


Manipulation of Volumetric (3d) Images continued

You can move and rotate the yellow line above to manipulate the images.

In the above image, it is set on Axial mode, so if you move the yellow line up and down, your axial image will be manipulated.

If you want to manipulate the images in the Coronal or Sagittal plane, click on Cor / Sag, then move the yellow line.



Manipulation of Volumetric (3d) Images continued



The slice thickness of the image can be changed using the icons circled.



To view a Volume Rendered image, increase your slice thickness to near maximum.



Your Volume Rendered image will now be displayed.

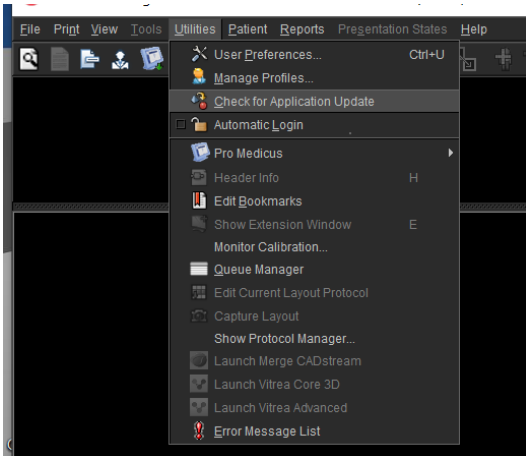
Different renders can be applied by using the drop-down menu.



Checking for IntelViewer Updates

IntelViewer will usually prompt you if there is a new update.

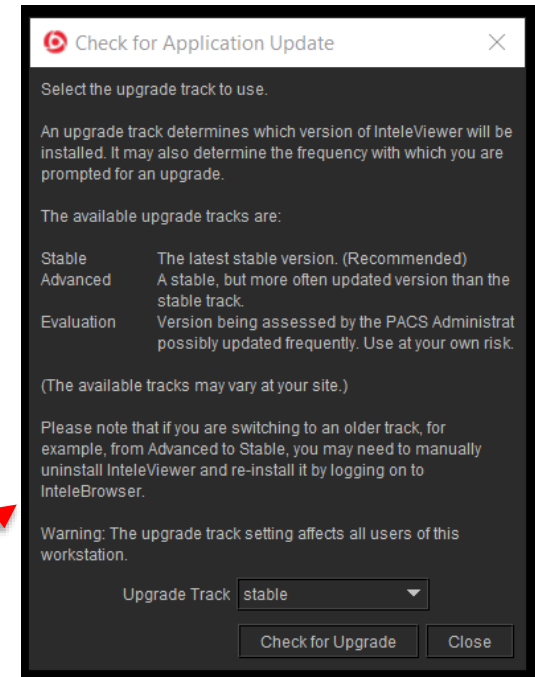
However, to search for an update manually:



Go to Utilities.

Click on Check for Application Update.

The Check for Application Update Window will appear.



Click Check for Upgrade.
Follow the prompts if an upgrade is required.





**I-MED Radiology
Network**

Comprehensive care. Uncompromising quality.

Thank you

"The most respected and trusted
medical imaging specialists in the world."

This is our vision.