

Computer Q-A

- Remote access
- Clindesk/Allscripts
- Checking for new studies
- Syngo
- Dexas
- Hermes PET
- Hermes General NM
- Teaching files
- Moving images
- Capturing cines
- Fusing images on clindesk
- How to load old studies
 - PET
 - NM

Woody Allen



“Everything you
always wanted to know
about

MIR Computers *

* But were afraid to ask”

In Partnership with
Raleigh Business & Technology Center (RBTC)
Presents

**EVERYTHING YOU WANTED TO KNOW
ABOUT COMPUTERS BUT WERE
AFRAID TO ASK!**



Remote access to NM

- Windows remote desktop to
 - RADWP-09NMD022
 - Connection script sent by email to NM fellows
- Works from Mac as well
- Be sure to logout when done
- From ER use start menu -> Hermes
- For non-call use:
- <https://storefront.mir.wustl.edu/Citrix/MIRWeb>

Microsoft Remote Desktop
By Microsoft Corporation
Open the Mac App Store to buy and download

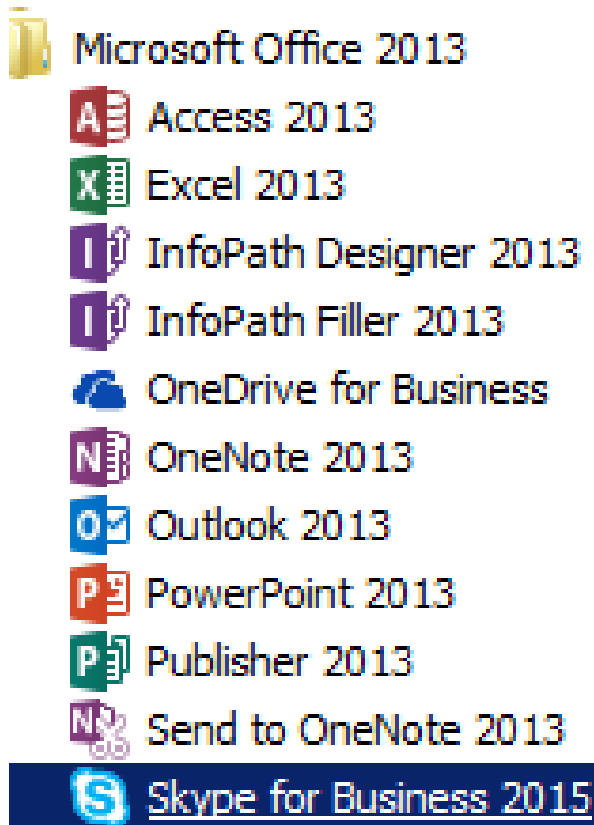


Beware Dual Monitor Settings

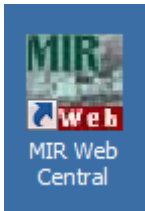
- If syngo was on the right monitor the last time you used it on that PC
- It will be on the right monitor when you remote in
 - Whether or not you have a right monitor at home

Conference Screen Sharing

- Make sure skype is running and logged in



- In IE, open the MIR Web central



- and click on the webcasting

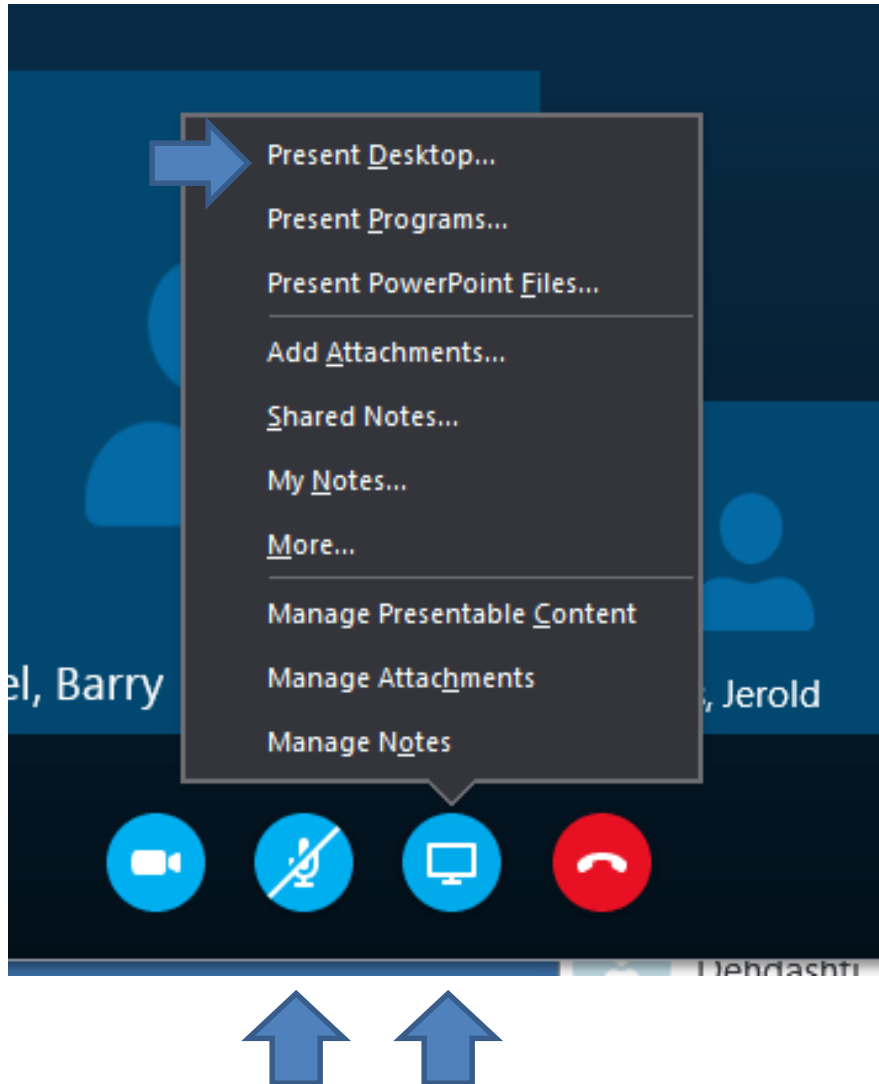


- Then NM conference

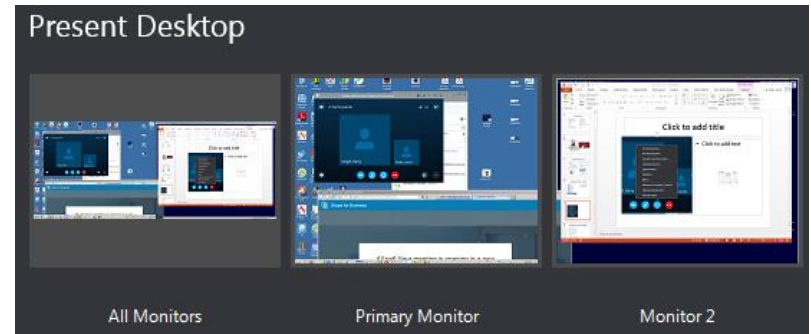
[Nuclear Medicine Conference](#)

- click OK to use skype

New Skype Window Appears



- Present desktop
- Share right monitor



- Turn on microphone (icon)
- Look for yellow border

Hermes

From the windows start menu, click “all programs” and then click the hermes icon



Internet explorer will open with 3 links shown – click the top one

[Hermes BJH-SLCH-HCI-BJWC AppServer](#)

[Hermes BJC Group2 AppServer](#)

[Hermes BJC Group3 AppServer](#)



A hermes gold academic icon will appear, click it once



HERMES Academic

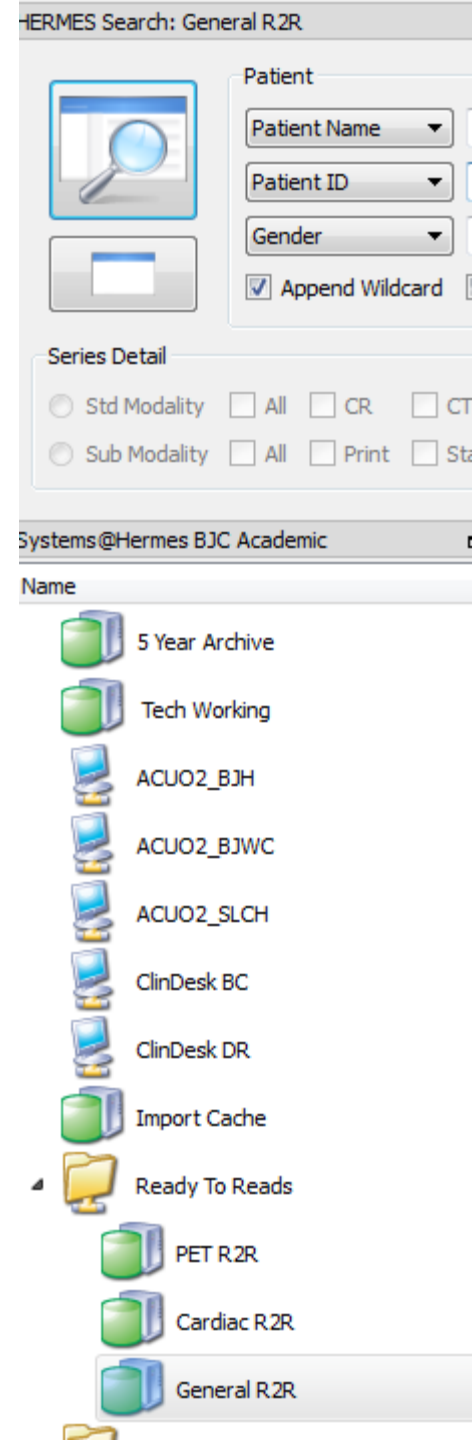
Hermes Dataflow



General NM

- Import cache
 - 5-year archive
 - Tech working
- (manual step)
 - General Ready to read

PET

- Import cache
 - 5-year archive
 - PET Ready to Read



Patient

Patient Name

Patient ID

Gender

☒ Append Wildcard
 ☒ Open Folders

Study

Description

Accession

Study ID

☐ Append Wildcard
 ☐ Open Folders

Series

Description

Body Part

Modality

☐ Append Wildcard
 ☐ Apply Detail

Date Restriction

☒ None
 ☐ Study
 ☐ Series

☐ Today
 ☐ Yesterday

☐ Last Week
 ☐ Last Month
 ☐ Other

From to

Series Detail



☐ Std Modality
 ☐ All
 ☐ CR
 ☐ CT
 ☐ DS
 ☐ MR
 ☐ NM
 ☐ OT
 ☐ PT
 ☐ RT
 ☐ SC
 ☐ SR
 ☐ US

☐ Sub Modality
 ☐ All
 ☐ Print
 ☐ Static
 ☐ WB
 ☐ Dyn
 ☐ Gated
 ☐ TomoAcq
 ☐ Trans
 ☐ Coro
 ☐ Sagg
 ☐ GTomoAcq
 ☐ TextXml

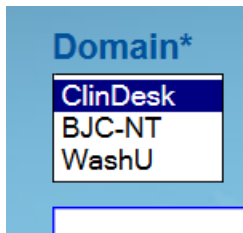
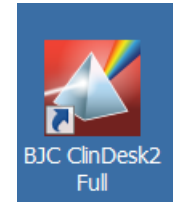
Sort

Sort By:

Data Date

Clindesk



- In theory, can select WashU domain, and your login will flow over
- If not, enter your clindesk password

- Can set prefs



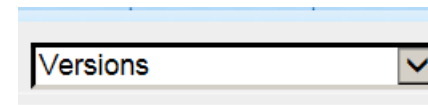
Preferred Sort Column

Visit

- Image Viewers

2016, 11:21 at BJC
[Expanded viewer](#) [Web viewer](#)

- Report Versions





"Hit Any Key To Continue"

Shakespeare, William

Imaging

4

07-11-2017 Mandibular panorex – [BJH] [IMG](#)

07-11-2017 Chest, AP, lateral – [BJH] [IMG](#)



07-11-2017 Bone density – [BJH] [IMG](#)






01-10-2017 Abdominal MR – [BJH] [IMG](#)

Shakespeare, William

<input checked="" type="checkbox"/> NM	JNM - NMSPRQ Nuc Med S...	↑	✕	i
ADMIN	39017439	3/22/2016 9:43AM	0/0	
<input type="checkbox"/> NM	JNM - NMSPRQ Nuc Med S...	↑	✕	i
ADMIN	39141276	4/25/2016 12:15F	0/0	

Should default to Imaging

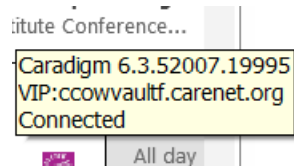
Enter search term 	
★	Imaging 101
ALL	07-10-2017 Bone density – [BJH] IMG 
	07-10-2017 Chest, AP, lateral – [BJH] IMG
	06-26-2017 Chest, AP, lateral – [BJH] IMG
ORDER	05-15-2017 Chest, AP, lateral – [BJH] IMG
	04-27-2017 Head CT – [BJH] IMG
MONIT	04-27-2017 Chest, AP, lateral – [BJH] IMG
	04-17-2017 Chest, AP, lateral – [BJH] IMG
	03-20-2017 Chest, AP, lateral – [BJH] IMG
LABS	02-20-2017 Chest, AP, lateral – [BJH] IMG
	01-19-2017 Chest, AP, lateral – [BJH] IMG
	01-16-2017 Chest, AP, lateral – [BJH] IMG
IMAGE	01-12-2017 Chest, AP, lateral – [BJH] IMG
	01-04-2017 Chest, AP, lateral – [BJH] IMG
DIAGN	12-29-2016 Chest, AP, lateral – [BJH] IMG
	12-29-2016 Chest CT – [BJH] IMG
	12-22-2016 Chest, AP, lateral – [BJH] IMG
	12-15-2016 Chest, AP, lateral – [BJH] IMG
TREAT	12-08-2016 Chest, AP, lateral – [BJH] IMG

★	Laboratory 1839
Laboratory Cumulative Summary 	
ALL	3-Day Laboratory Summary 
	07-10-2017 Chemistry
ORDER	05-01-2017 Glucose Monitoring
	07-10-2017 Special Chemistry
MONIT	10-26-2016 Blood Gases
	07-10-2017 Hematology
	07-10-2017 Coagulation and Platelet Testing
LABS	09-22-2016 Blood Bank
	04-27-2017 Blood Products
	07-10-2017 Microbiology / Virology
IMAGE	07-10-2017 Therapeutic Drug Monitoring
	04-27-2017 Drug Screen, Toxicology
	07-10-2017 Immunology / Serology
DIAGN	04-17-2017 HLA
	04-27-2017 Urine
	04-17-2017 Special Specimens
TREAT	07-29-2016 Lab Reporting
NOTES	Microbiology Summary 
	Infection Control Summary 
	Transfusion History Summary 

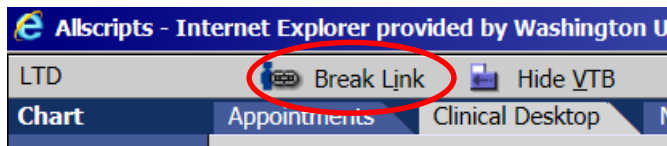
Allscripts

- In theory, can open after opening clindesk and they will be linked both for login/password and patient ID.

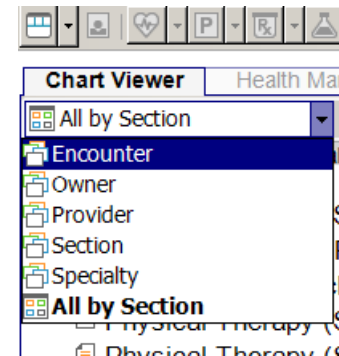
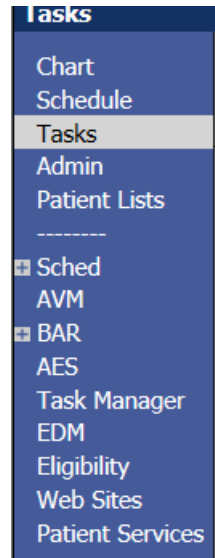
- Takes 5-10 seconds



- In practice this linkage may or may not work.



- Change to Chart
- Look for
 - Notes
 - Radiology
 - (scanned)
- Optionally sort by encounter

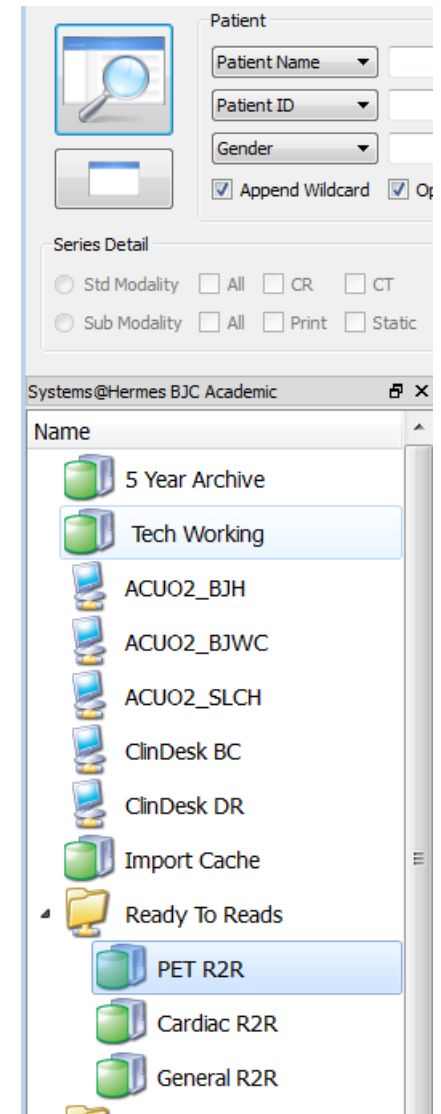


Checking for new studies

- On-call emails
- Syngo worklists



- Hermes



Syngo

- Need microphone for access to templates
- Templates also on <http://gamma.wustl.edu/index2.html>
- Laptop use is tricky if screen less than 1024 high

Current Report

10T PET Consult
7/7/2017 1:10PM 1/577

Prior Report

ometrial cancer
WELL, MATTHEW

Pending Procedure

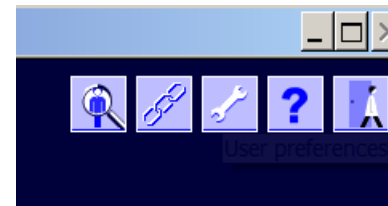
Show All Unfiltered



Syngo

- Default display of patients by NM study type
- Can customize display

BJH NM Cardiac	0 / 2
BJH NM DEXA	0 / 1
BJH NM General	0 / 12
BJH NM PET	0 / 4



- Worklists

- General

- BJH North (JNM)
 - WNM
 - CNM
 - BW PETs
 - PET consults

- PET

- Cardiac

Dep't	Procedure
JNM	78802 WB Tumor Img 1d
JNM	78803 Tomo Tumor Imgg
JNM	Tumor Lclz: SPECT/CT ...
BOI	76140T PET Consult
BOI	76140T PET Consult
BOI	76140T PET Consult
CNM	78725 GFR STUDY
BNM	78306 BONE IMG/W.B.
BNM	78012 Thyroid Uptk Sn...
BNM	79005 I-131 RX,HYPER
BNM	99243 I-131 CONS OP
WNM	78306 BONE IMG/W.B.

Login

General

Links

Check Requests

Read Images

Sign Reports

Prior Procedures

Dictation Settings

Text Modules

Pronunciation

Recognition Errors

Worklist
Configuration

Main Portal Page and Hide Worklist

All Worklists 

Available Columns

Assigned To
Conferencing Flag
Critical Flag
CTRM Status
Entity
EPR
General Flag
Images #
L/R
Patient Class
Priority
Reading Physician
Referring Physician
Requesting Physician
Reviewing Physician
Series #
Sex
Subspecialty
Worklist Prio

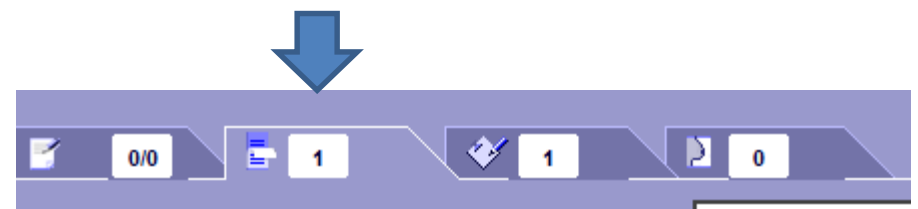
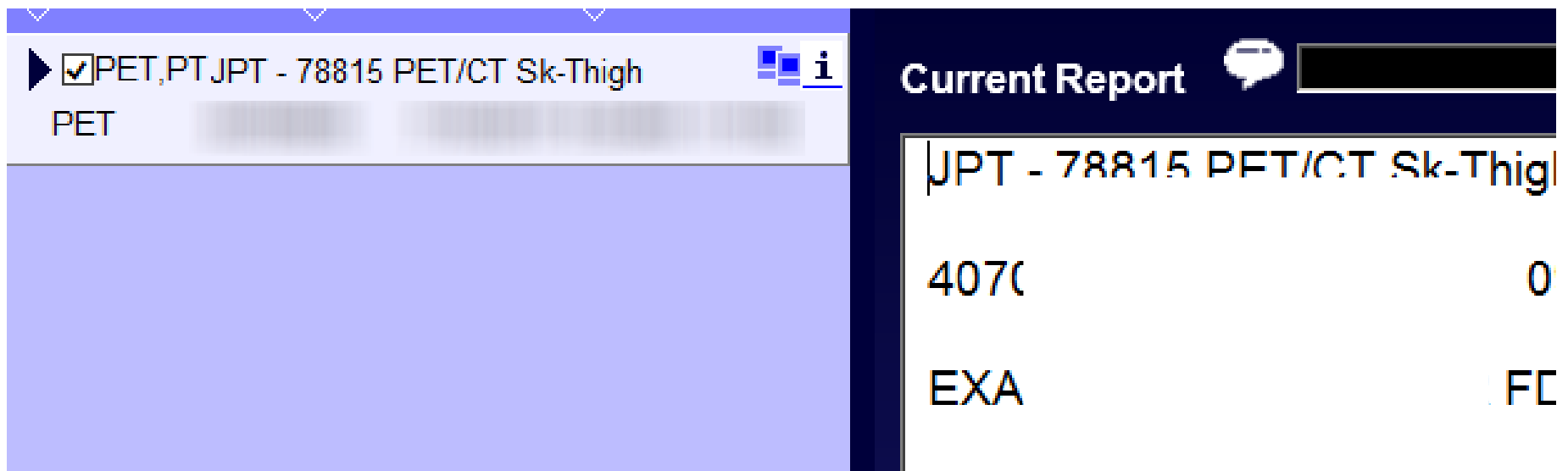
Selected Columns

Lock Indicator
Hold Indicator
Dept
Patient
Modality
Procedure
Body Part
Procedure D/T
DOB
Age
MRN
Location
Acc #
Image Location
Dept Name



Viewing scanned paperwork in Syngo

- Click in box
- Right click in report
- Open notes viewer



Syngo Templates

- Blank field
 - The [] hip
- Default provided
 - The [<right>] hip
- Blank field with hint
 - The [right or left] hip
- Default with hint
 - The [<right> change to left if needed] hip
- Just a hint
 - [< > don't forget to include any history of XRT]

Dexas

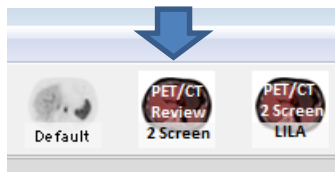
- Report is automatically generated
- Report will be found in your sign reports queue
- Attending and resident cannot be in same sign queue at the same time
- Tutorial for dexas is online at
G:\Clinical Education\Services\Nuclear Medicine\Nuclear Medicine Resident Information\Nuclear Med Rotation Handouts\Dexa Presentation



Hermes - PET

Local studies

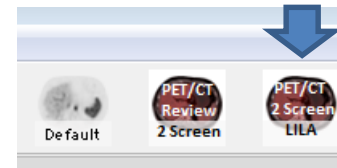
- Open studies at folder level if done here or BW




- Can choose current and prior at the same time (search name or MPI)
- Open head/neck separately if present

Consults

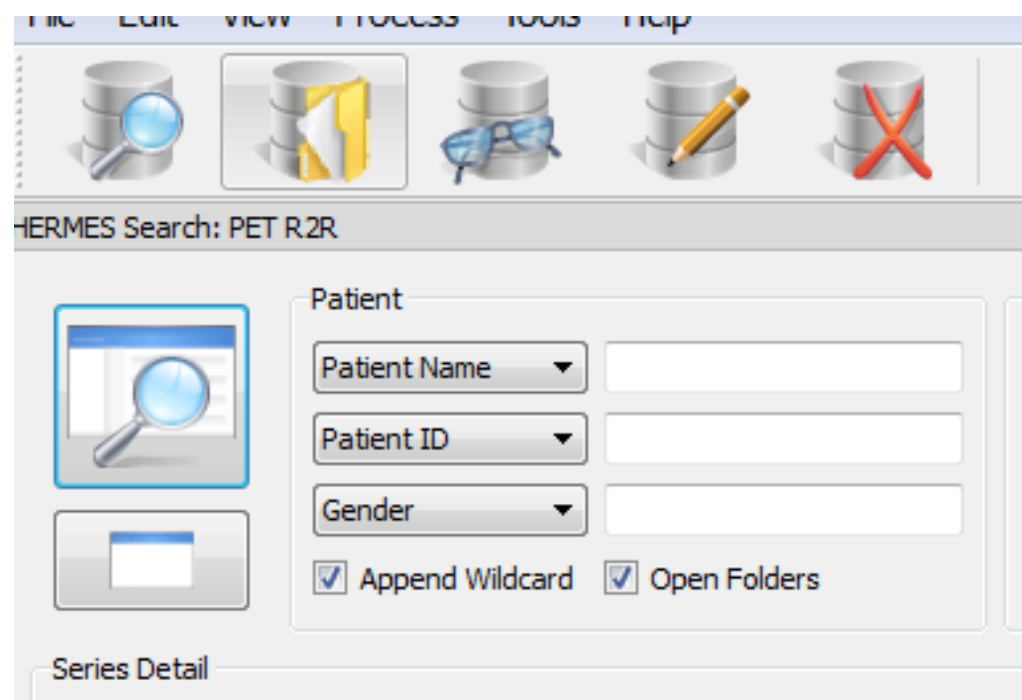
- Open studies at file level if PET consult (LILA) or outside study



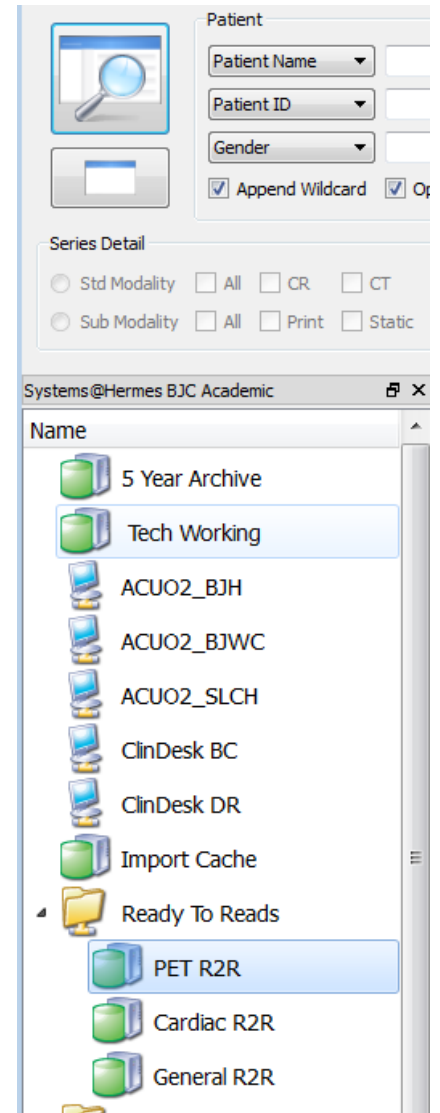
- Choose (in order)
 - PET AC, CT, PET NAC
- Can open prior as well at same time (if NAC present)

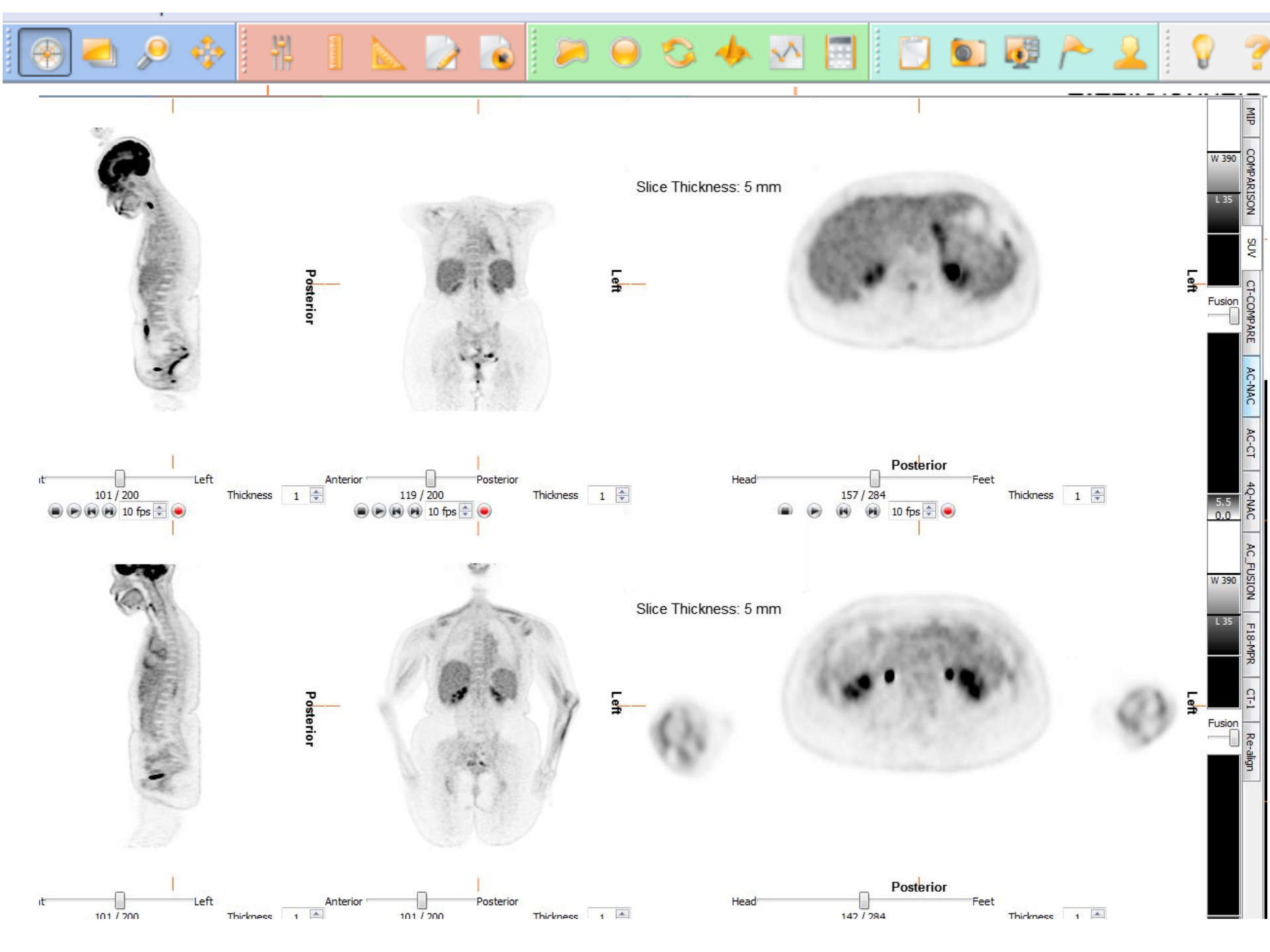
	PATIENTNAME	PATIENTID	BIRTHDATE	GENDER	ACCESSION	STUDYDATE	STUDYTIME	SERIES	IMAGE	STUDYDESCRIPTION
	UNKNOWN20170627	UNKNOWN20170627		Not Specified				1	1	

- Use yellow folder icon to open two folders at the same time
- Clear button is handy
- Use * between last and first patient names:
smith*john



- Never read studies in 5-year archive
- Always use R2R folders
- OK to drag studies from 5year to R2R







MIP
W 390
COMPARISON
L 35
SUV
CT-COMPARISON
Fusion
AC-NAC
AC-CT
4Q-NAC
5.5
0.0

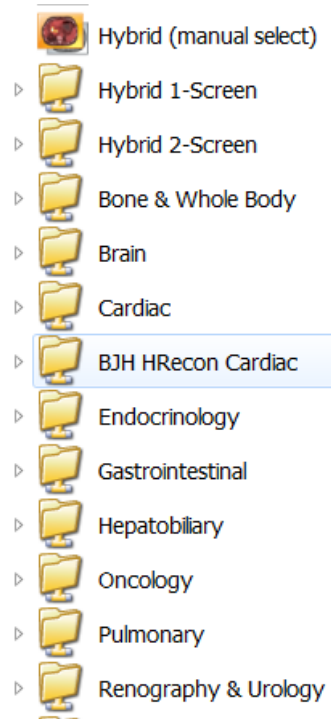


AC-FUSION
W 390
F18-MPR
L 35
CT-1
Fusion
Re-align
5.5

Hermes General NM



- Most frequently, use icons at the top
- Default useful if tech brings in study for quick check
- SPECT-CT and Cardiac at the right of icon bar
- Special processing programs and displays are at the right
- Renals need to be opened at file level



Hermes Gotchas

- If pet consult has a prior study, and NAC image is missing, images will not load correctly
 - Load prior in separate window
- Skylight data does not always load correctly
 - May need to use skylight workflow or **default** to view all data
- Renal data cannot be loaded at folder level
 - Load at file level instead
 - For skylight data, select S1 then S2
 - Load Lasix data separately
- Editing lung regions is nearly impossible
 - Try move all regions, rather than editing.
 - Work from left to right

ame



Bone & Whole Body



BJH Bone Display

Default



BJH Bone 3-Phase



BJH Dual Iso Display

Default



BJH General Compare

Default



Renography & Urology



BJH Renogram Flow + Function

Renal



BJH Renogram - Lasix Only

Renal



BJH Renogram Transplant

Transplant



BJH Dual Detector Renogram

Renal



SpectTesting



Liver Remnant



BJH Brain Display



BJH Hermes SPECT/CT Display



BJH SPECT/CT Display



BJH SPECT/CT LILA Display



TEST BJH HIDA Splash



Teset BJH Skylight HIDA Splash



TEST GI Bleed Display



TEST BJH Skylight GIBLEED Di...

Gamma.wustl.edu/index2.html



Local MIR NM Access (test server)

- [Google](#) [WIKIPEDIA](#) [PubMed](#) [Medical Library](#)
- [MIR noon conference list and Radsearch](#)
- New TF: [General NM cases](#) and [PET cases](#) (login at upper right using MIR PC login)
- Web DNM [Procedure Manual](#)
- [MD Schedules and NM Call Policies/Procedures](#) (from MIR PCs only): For Tech call schedule, call 758-6614.
- [PET medicare coverage](#) and [old NOPR coverage info](#)
- Support
 - Syngo RIS and BJC desktops: is_csc@bjc.org 362-4700
 - MIR desktops: 28475
 - PACS: 79500
 - [Printing schedules in Syngo](#) (NM version)
- Dexa [FRAX text](#) and [significant change info](#) (for templates, see syngo templates)
- Using [Vitrea Core - Vital](#) for PET and NM
- All Syngo [NM templates](#), with older versions [here](#)

Local Menu

[Quick links](#)

[Teaching file](#)

[References](#)

[E-books](#)

[Exam Coding](#)

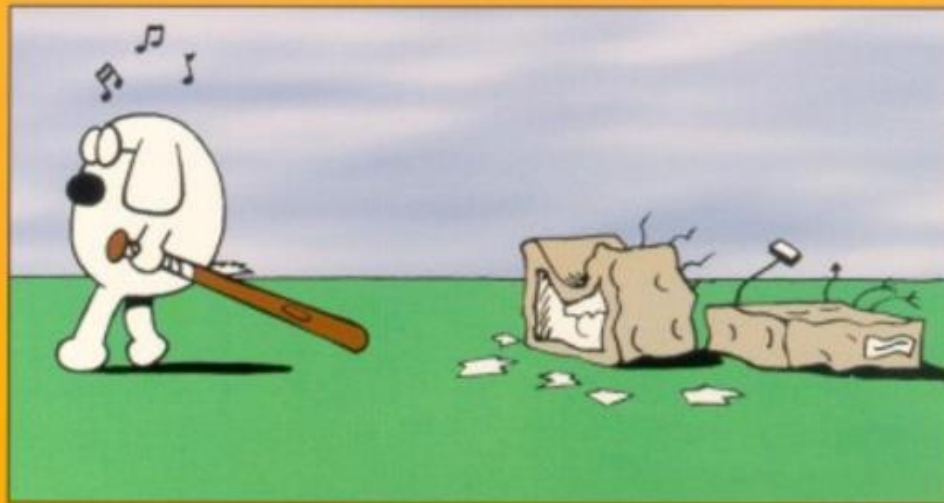
[Phone lists](#)

Local MIR NM Access (test server)

- [Google](#) [WIKIPEDIA](#) [PubMed](#) [Medical Library](#)
- [MIR noon conference list and Radsearch](#)
- New TF: [General NM cases](#) and [PET cases](#) (login at upper right using MIR PC login)
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- All Syngo [NM templates](#), with older versions



THE NETWORK IS DOWN!



...BUT I'M FEELING BETTER.

DILBERT™

Teaching files



Local Menu

Quick links

Teaching file

References

E-books

Exam Coding

Phone lists

Local TF Access

For access to all of our certified TF cases:

- TF Cases as unknowns
 - [Old TF](#)
 - New TF [General nuclear medicine](#)
 - New TF [PET](#)
- TF Cases with diagnoses
 - [Old TF](#)
 - New TF [General nuclear medicine](#)
 - New TF [PET](#)
 - (also see the [JPNM](#) case collection in Boston)
- Search (old & new) teaching file cases using the search box at up

For access to the new (internal) MIR TF

- New TF entry now online at [mirtf](#)
- [TF instructions](#) for case creation
- [Moving images around](#)

Moving images



Local Menu

Quick links

Teaching file

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 - New TF [General nuclear medicine](#)
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 - New TF [General nuclear medicine](#)
 - New TF [PET](#)
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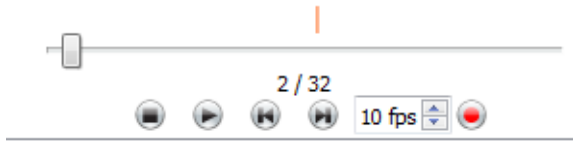
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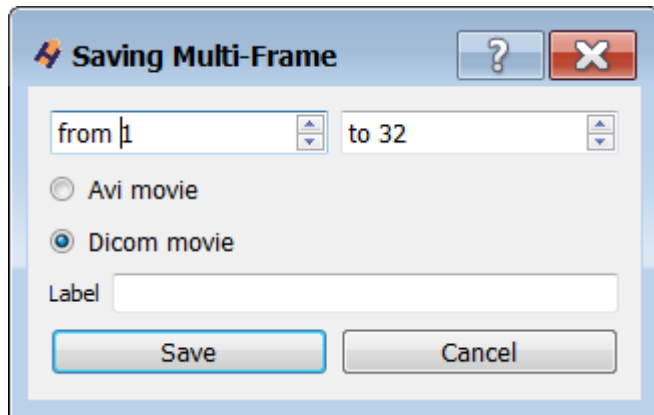


Capturing cines

- Using hermes (thick client)–
use red button



- Change to AVI



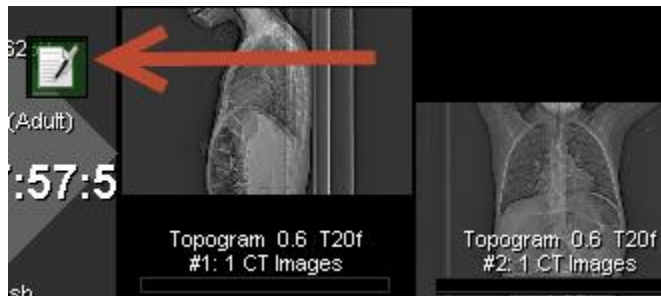
- Save to G drive nucmed
PET-CT folder (OK to login)

- Use snagit (with clindesk or
thin client)
- Start menu (Techsmith Snagit)



- Change to video, follow
instructions
- Store in same folder as PPT
file, before inserting into
presentation. Drag into slide.
Keep files together.

Emageon viewer (clindesk)



<input checked="" type="checkbox"/>		Study Description		Mo...	Study De
<input checked="" type="checkbox"/>		Dual Energy^CHEST_DE_PED...		CT	2017-07-
<input type="checkbox"/>		71020 CHEST 2 VIEWS		CR	2017-02-
<input type="checkbox"/>		71020 CHEST 2 VIEWS		CR	2017-02-
<input type="checkbox"/>				CR	2017-02-
<input type="checkbox"/>				CR	2017-02-
<input type="checkbox"/>		71020 CHEST 2 VIEWS		CR	2017-01-
<input type="checkbox"/>		PET^PETCT_UNDER_20KG_T...		PT	2017-01-
<input checked="" type="checkbox"/>		QUANT VQ SUPINE		NM	2016-12-
<input type="checkbox"/>		71250 CT CHEST HIRES WVO ...		CT	2016-12-
<input type="checkbox"/>		71020 CHEST 2 VIEWS		CR	2016-12-
<input type="checkbox"/>		71010 CHEST 1 VIEW		CR	2016-10-
<input type="checkbox"/>		74245 UGI W/ SMALL BOWE...		RF	2016-10-
<input type="checkbox"/>		71020 CHEST 2 VIEWS		CR	2016-10-



Select/Customize a Layout

Select a Viewing Mode:

☒ Stack Mode

☐ Tile Mode: step =

1

Apply New Layout T...

☐ Active Viewport

☒ This Monitor

☐ All Monitors

Arrange a Custom Grid

V (rows) x H (columns):

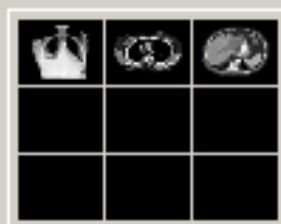
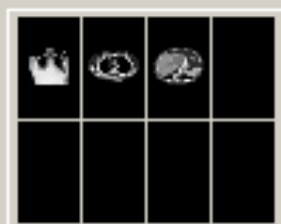
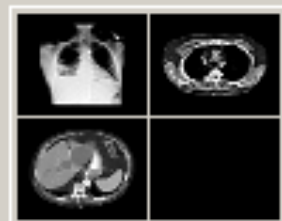
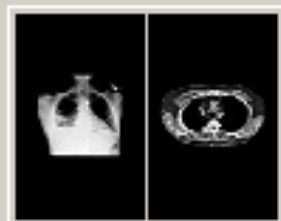
1

x

1

Apply this Custom Layout

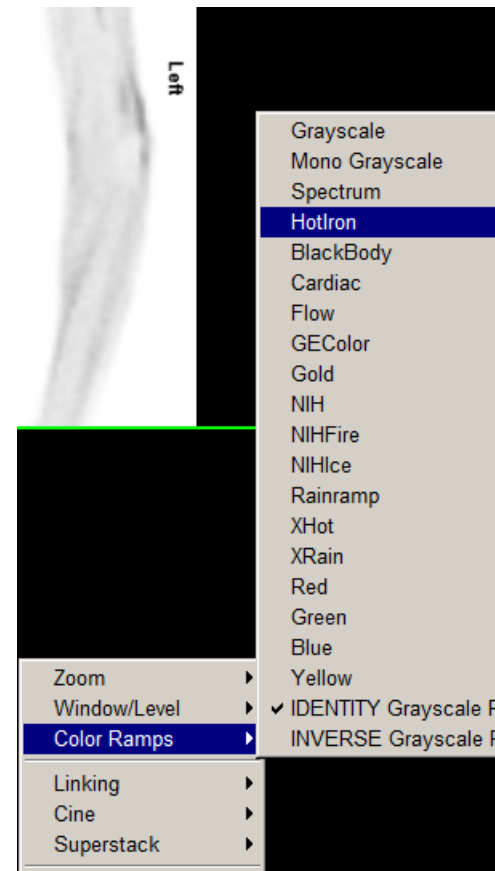
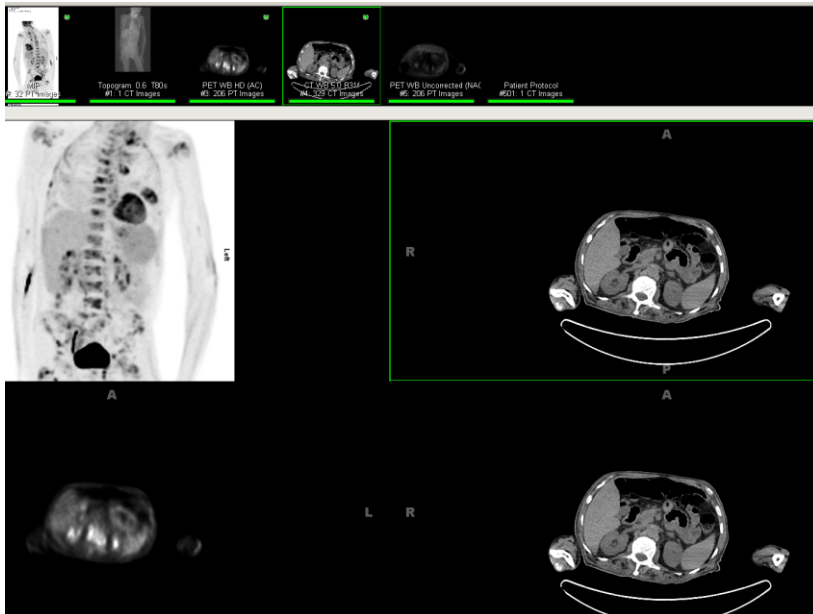
Click on a Predefined Layout to Select It



Close

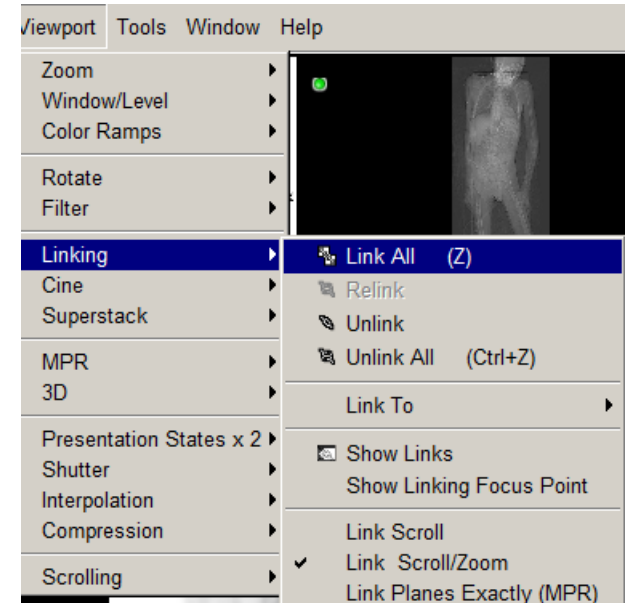
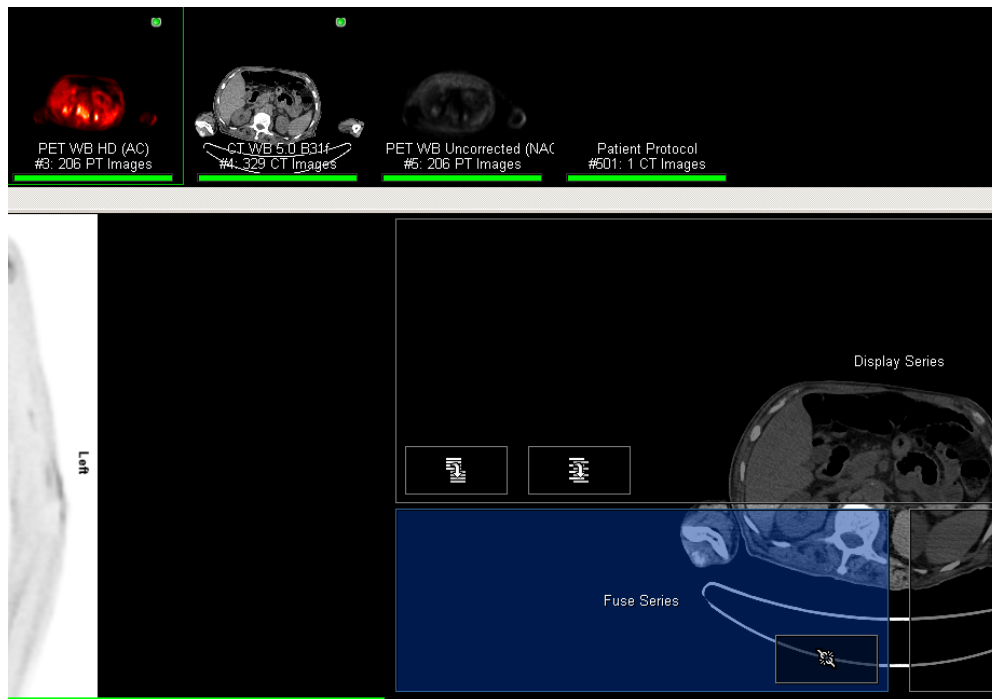
Fusing images on clindesk/emageon

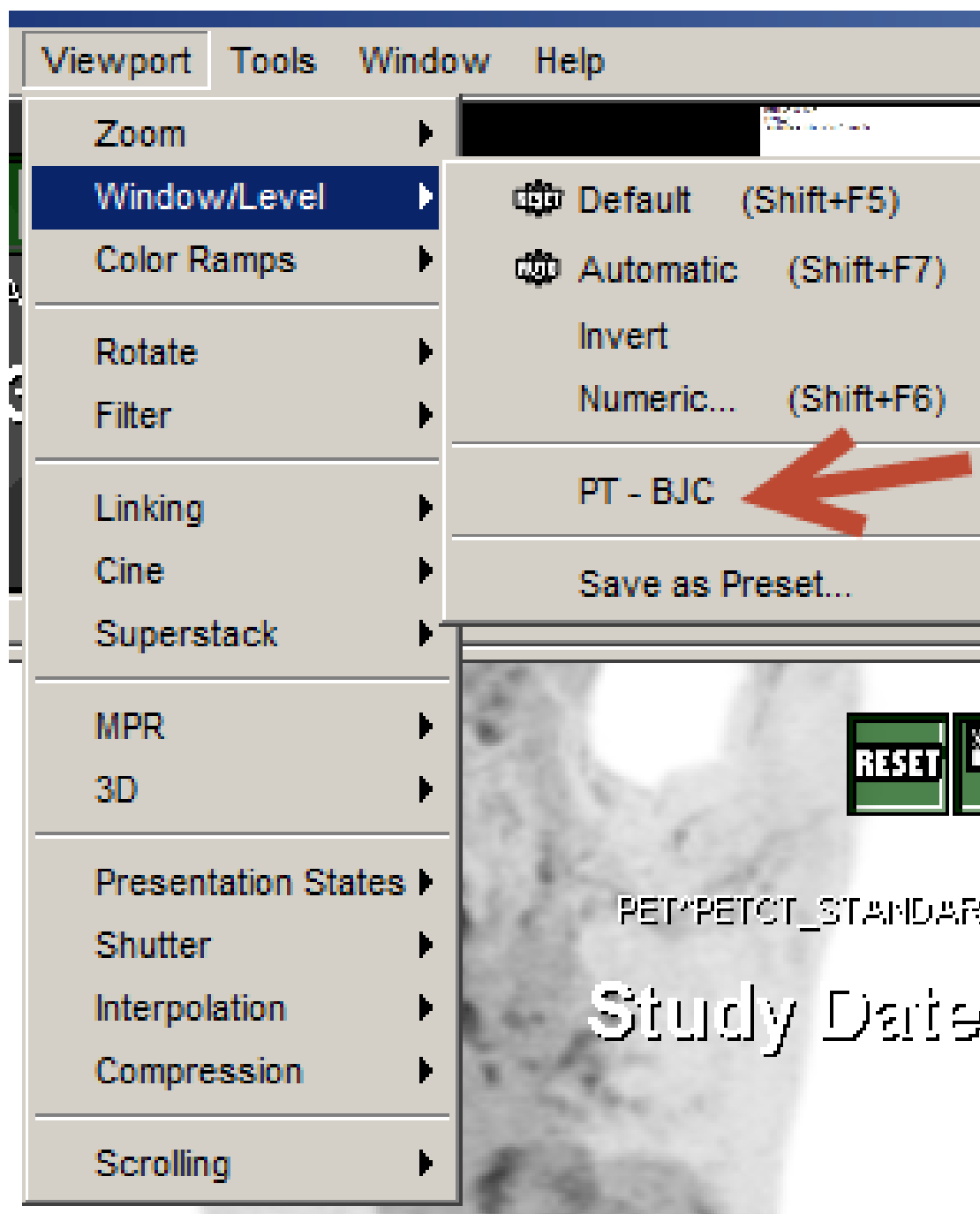
- Click to get a 4 pane layout
- Drag 2 CTs and one PET
- Right click to change PET to hot iron



Fusion on clindesk/emageon

- Drag orange PET to one of the CTs, into the fuse series box
- Make sure linking is ON







RESET

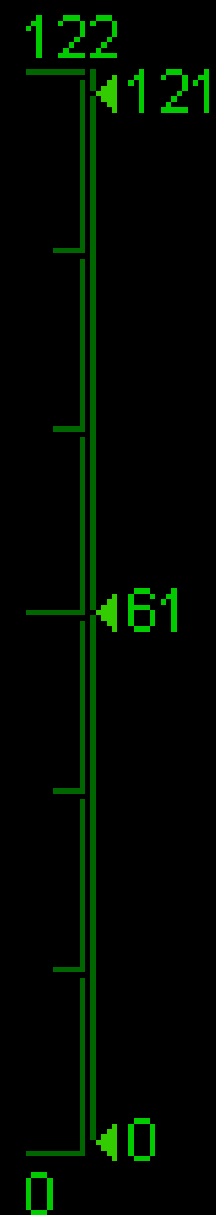
AUTO



SLICE:
W: 122 L:61
Slice 1 of 2
Zoom=302%
every NM/CT



SLICE
↓



Loading Old Studies

- PET and general NM
 - Studies within 2 years should be pre-loaded
- If not present
 - Search Clindesk archive DR or BC
 - Right click and choose default transfer
 - Import cache -> RtR



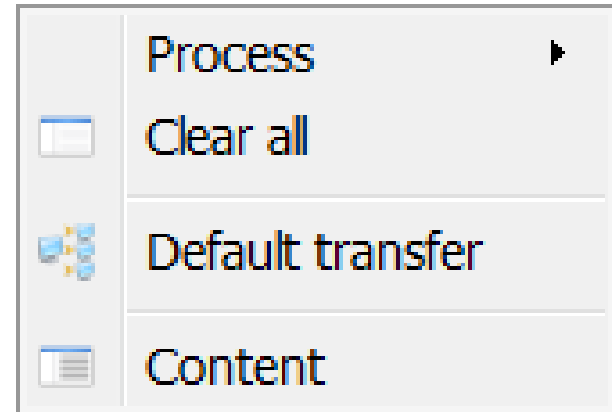
ACUO2_SLCH



ClinDesk BC

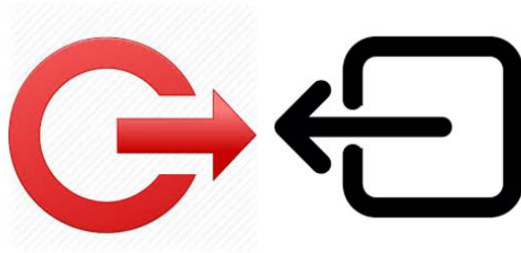


ClinDesk DR

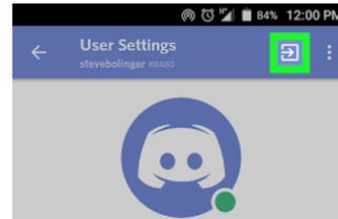
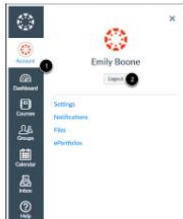
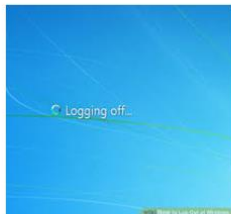
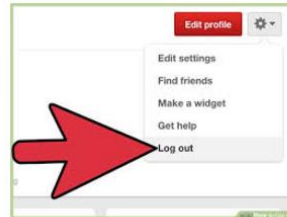


- Old NM
 - to pull from Nmarchive, on decstation use
 - 8
 - c

End of Day



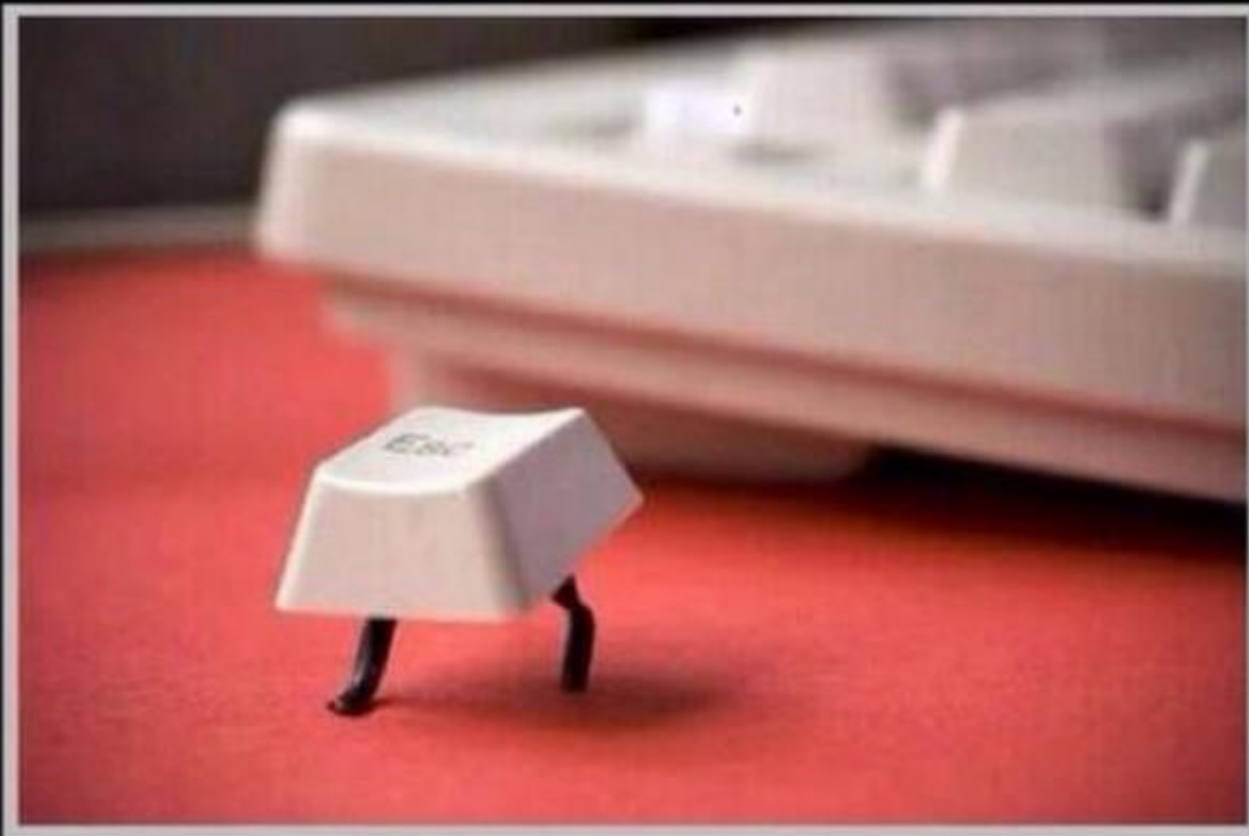
496 x 240 - us.fotolia.com



Logout Now?

Cancel

Logout



ESCAPE

He finally did it!