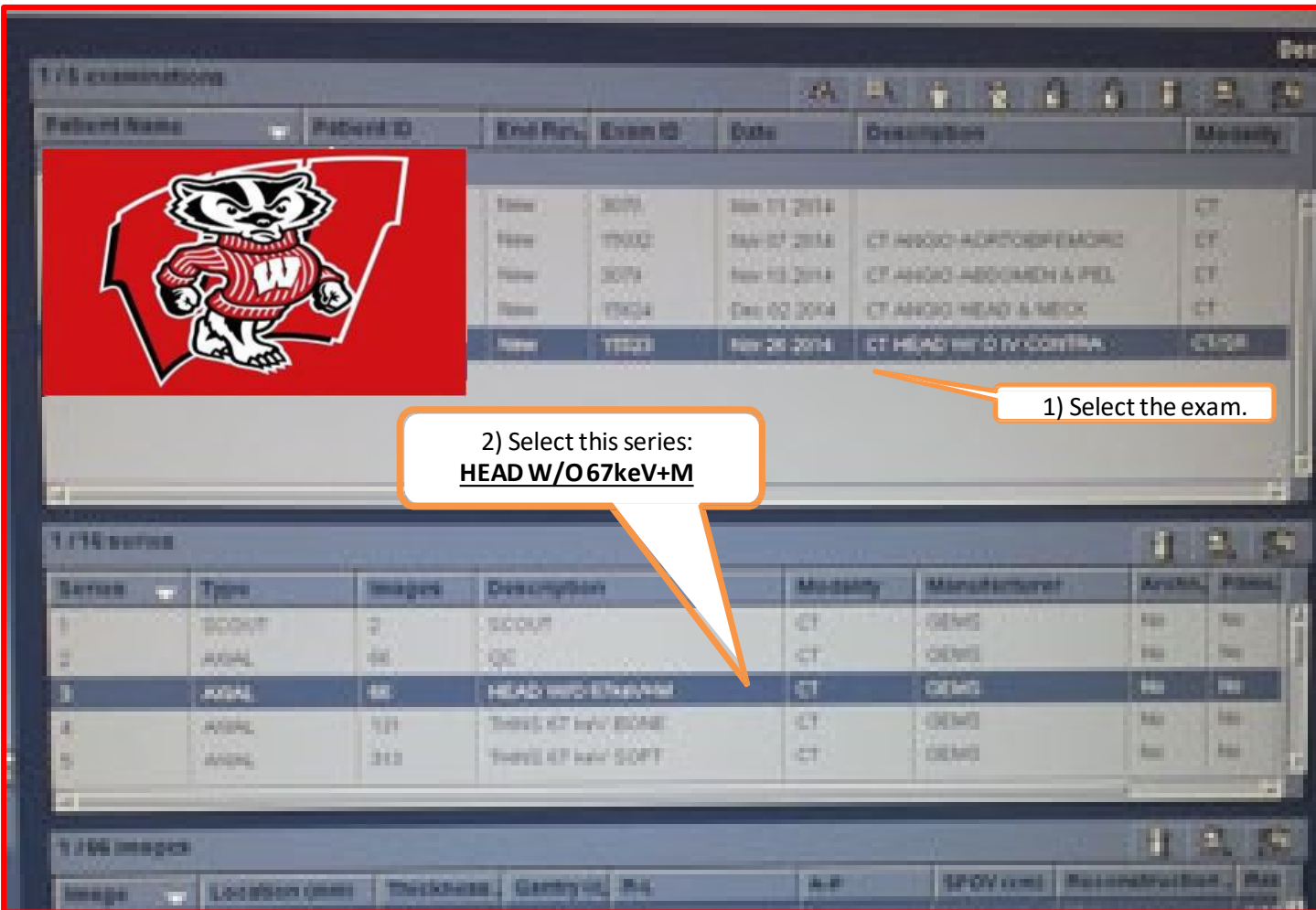




Processing a GSI Head on the CT Scanner

1) Select Patient Exam, Select ST 67 keV + MAR Series and Load into GSI Viewer

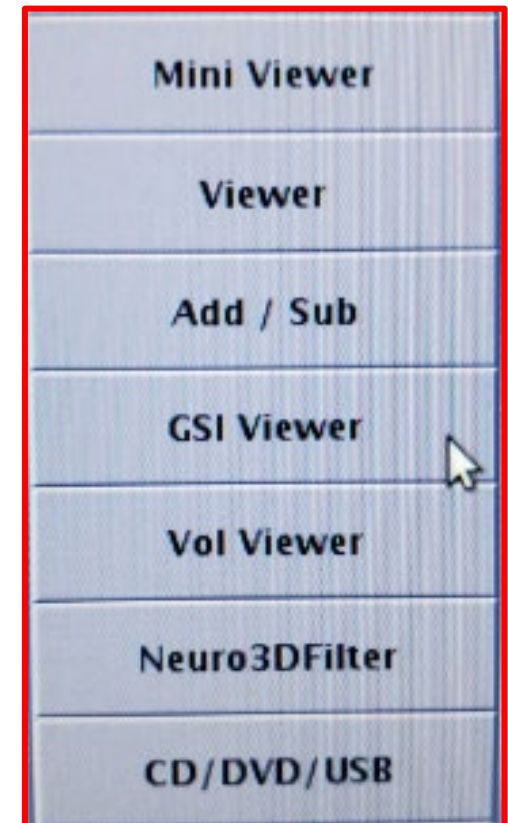


1) Select the exam.

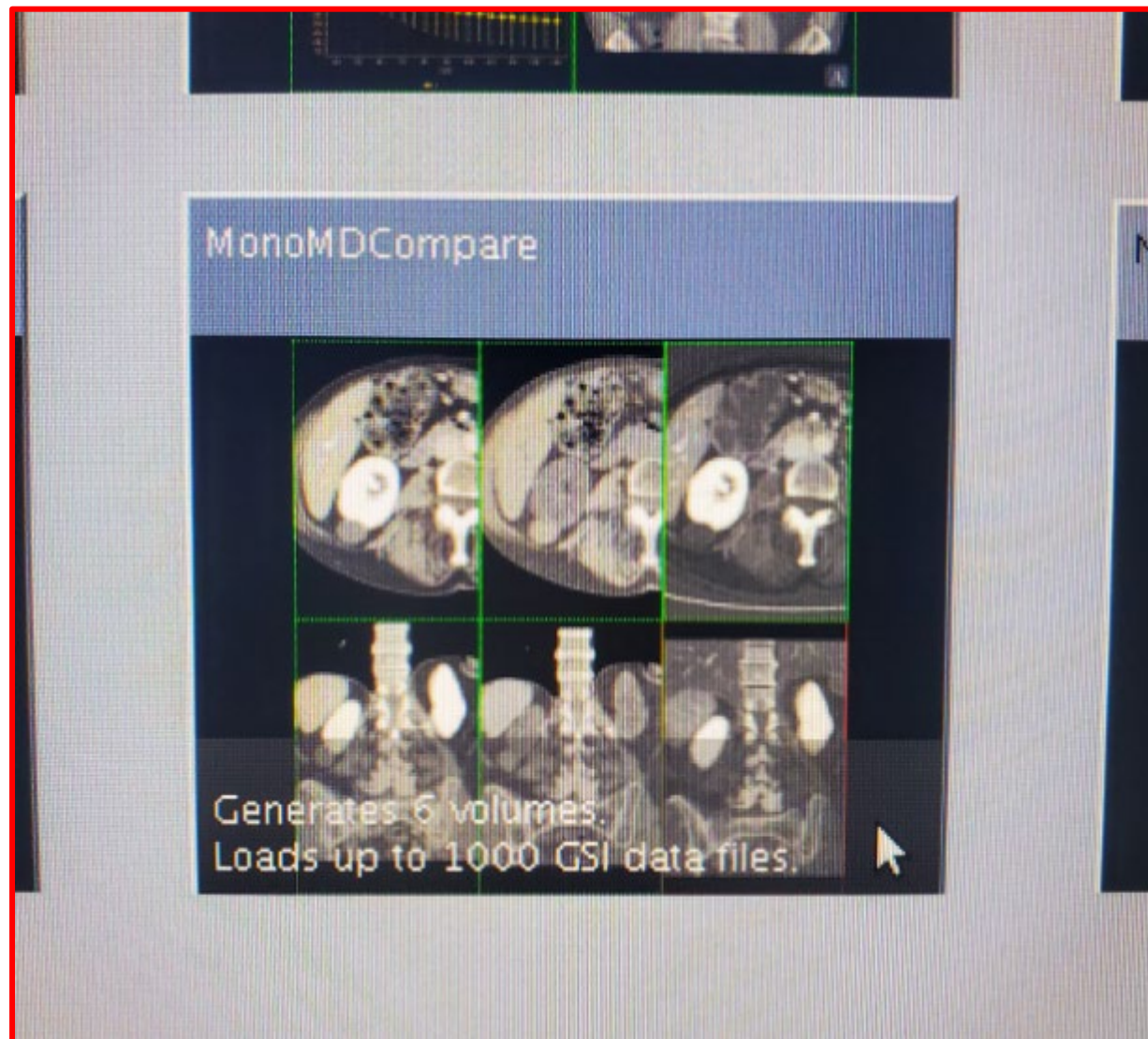
2) Select this series:
HEAD W/O 67keV+M

Patient Name	Patient ID	Exam Ref.	Exam ID	Date	Description	Modality
		3079		Nov 17 2014		CT
		17002		Nov 17 2014	CT HEAD-ACRODISPROMO	CT
		3079		Nov 18 2014	CT HEAD-ACRODISPROMO	CT
		17004		Dec 02 2014	CT HEAD-HEAD & NECK	CT
		17003		Nov 26 2014	CT HEAD W/O IV CONTRA	CT

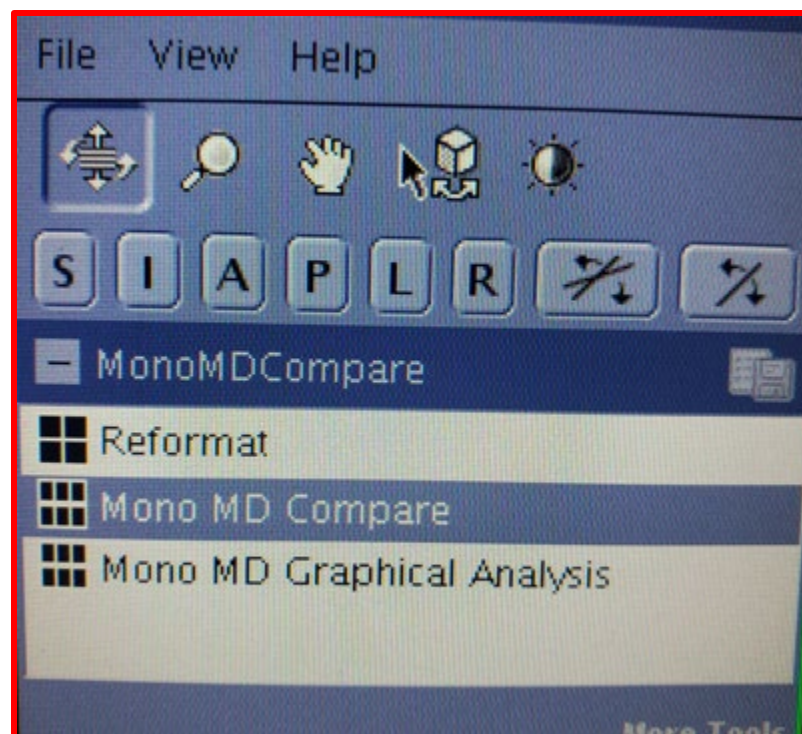
Series	Type	Images	Description	Modality	Manufacturer	Archiv	Print
1	SCOUT	2	SCOUT	CT	GEHC	No	No
2	AXIAL	48	QC	CT	GEHC	No	No
3	AXIAL	48	HEAD W/O 67keV+M	CT	GEHC	No	No
4	AXIAL	101	THICK CT W/O BONE	CT	GEHC	No	No
5	AXIAL	312	THICK CT W/O SOFT	CT	GEHC	No	No



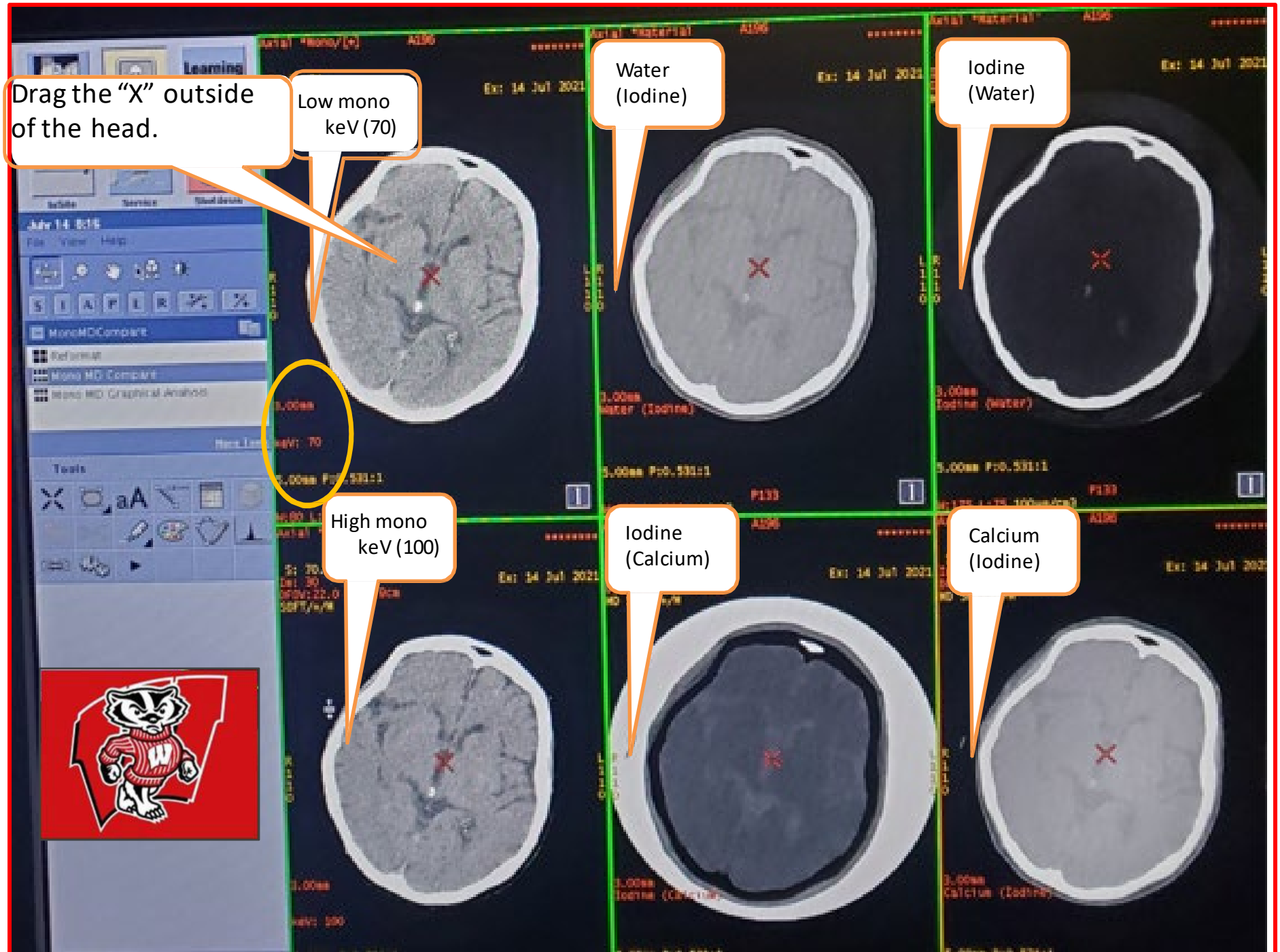
2) Select Mono MD Compare

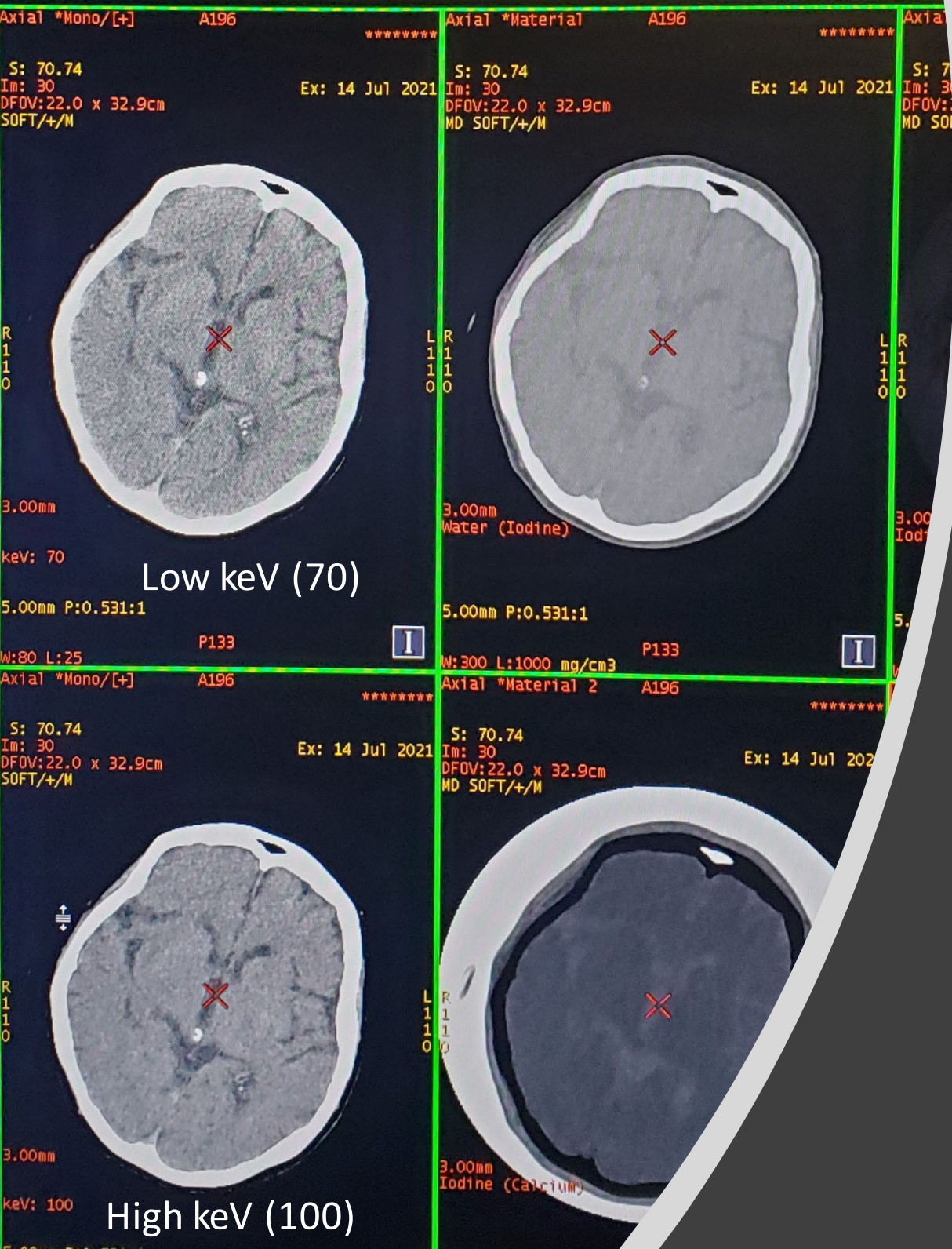


3) Select Mono MD Compare



You will then see all the processed series



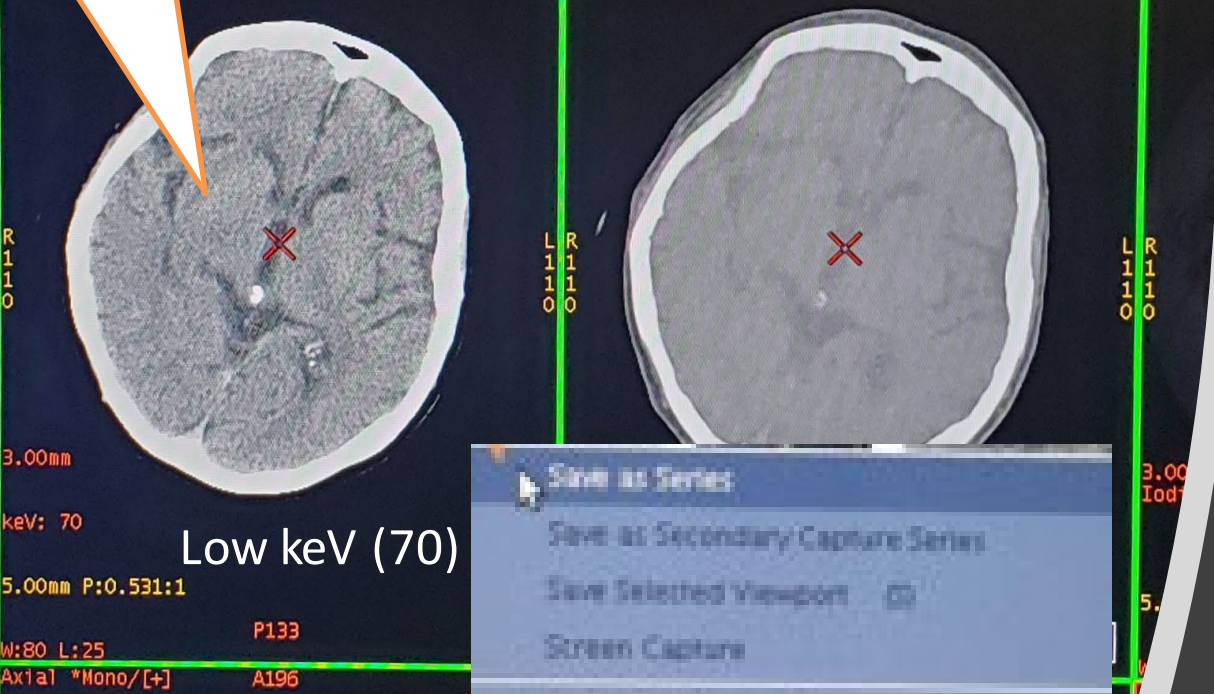


4a) Choose
Low and
High mono
keV

Axial *Mono/[+] A196 ***** Axial *Material A196 ***** Axial

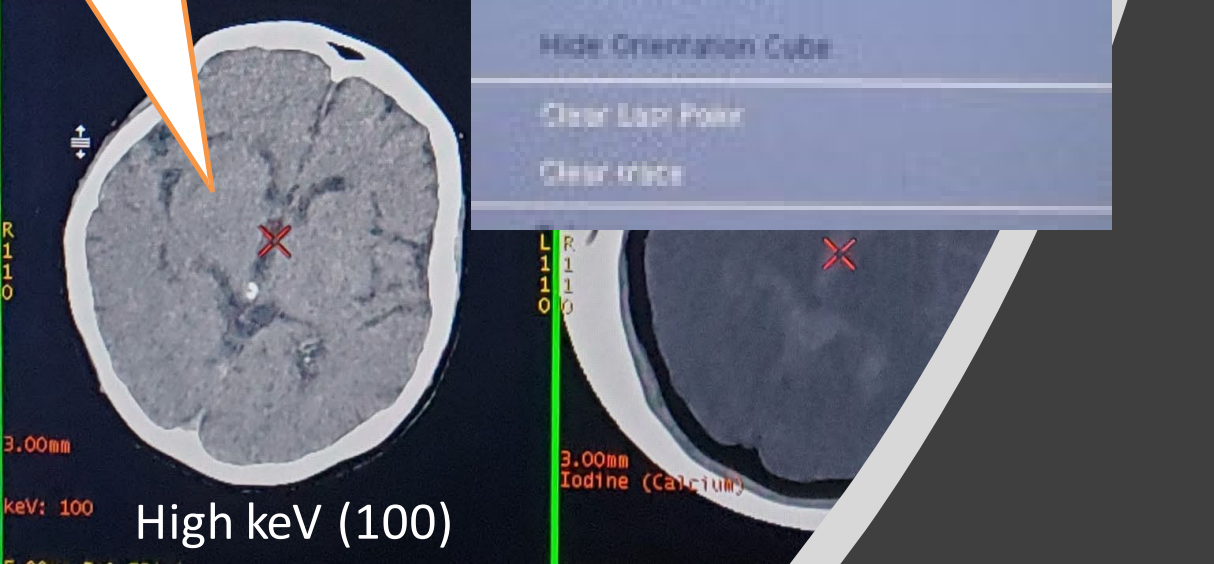
S: 70.74 Im: 30 Ex: 14 Jul 2021 Im: 30 DFOV: 22.0 x 32.9cm MD SOFT/+M

While over the low keV series, right click and select "Save as Series"



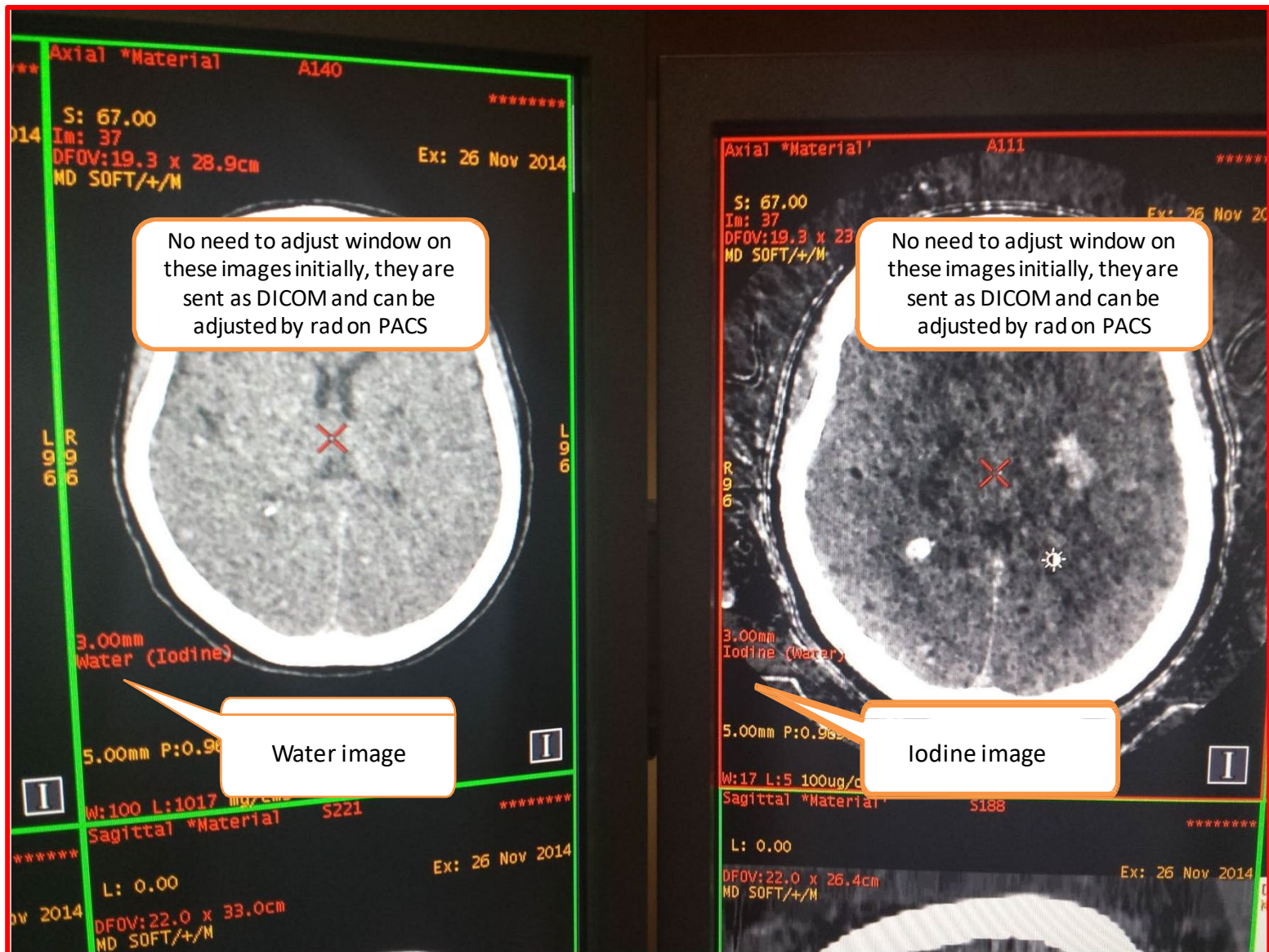
- Save as Series
- Save as Secondary Capture Series
- Save Selected Viewport
- Screen Capture
- Hide 3D Cursor
- Show All Annotations
- Hide Annotations
- Hide Orientation Cube
- Clear Last Plane
- Clear Image

Repeat for high keV series



4b) Save as Series – Low and High keV

5a) Prepare Water & Iodine images

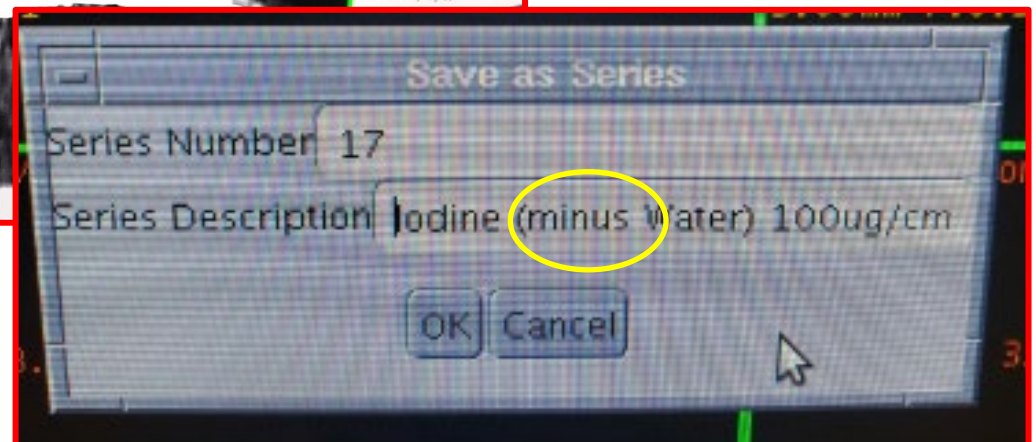
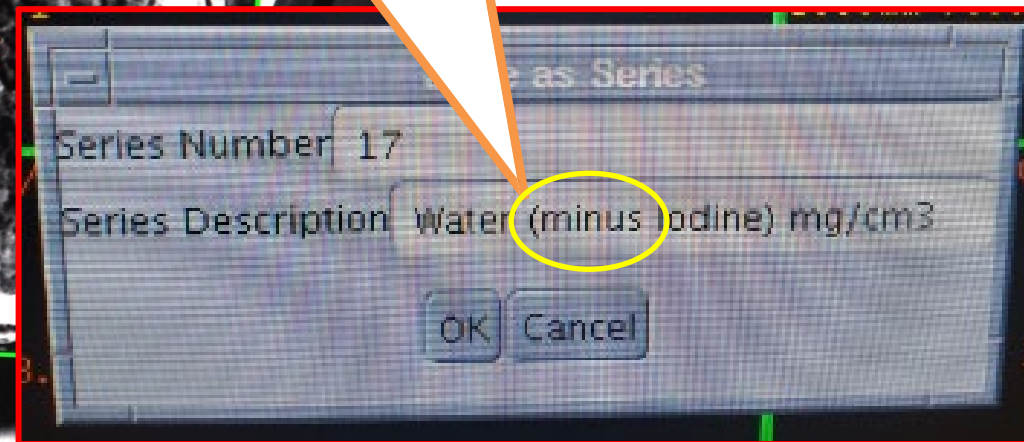
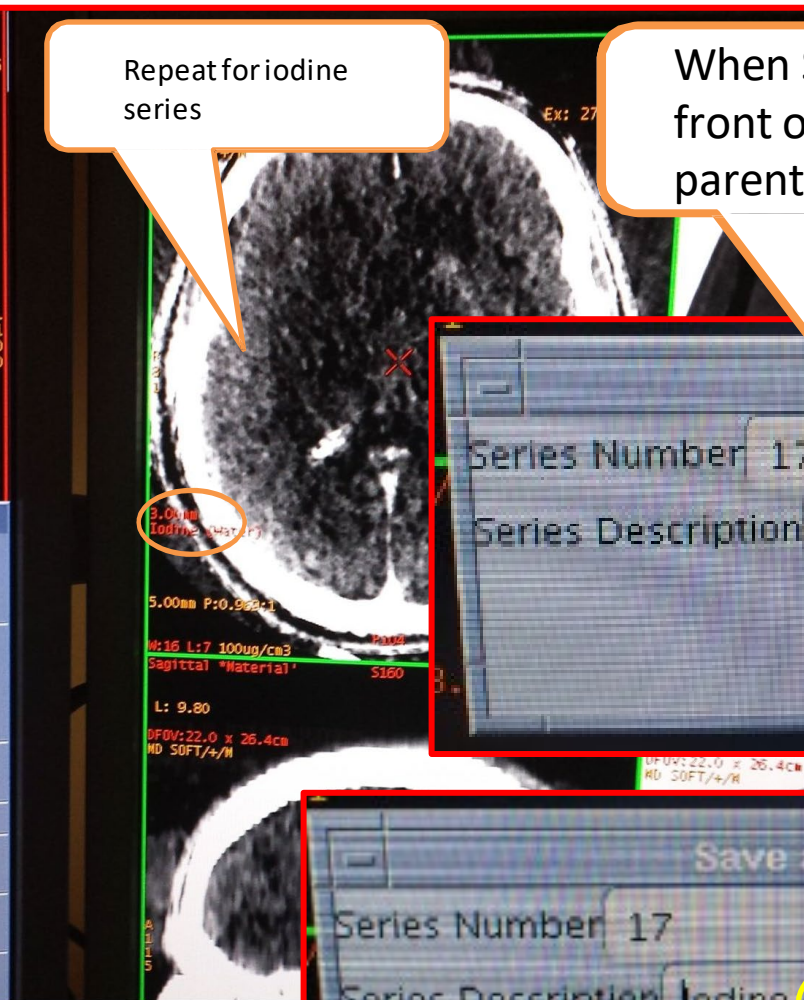
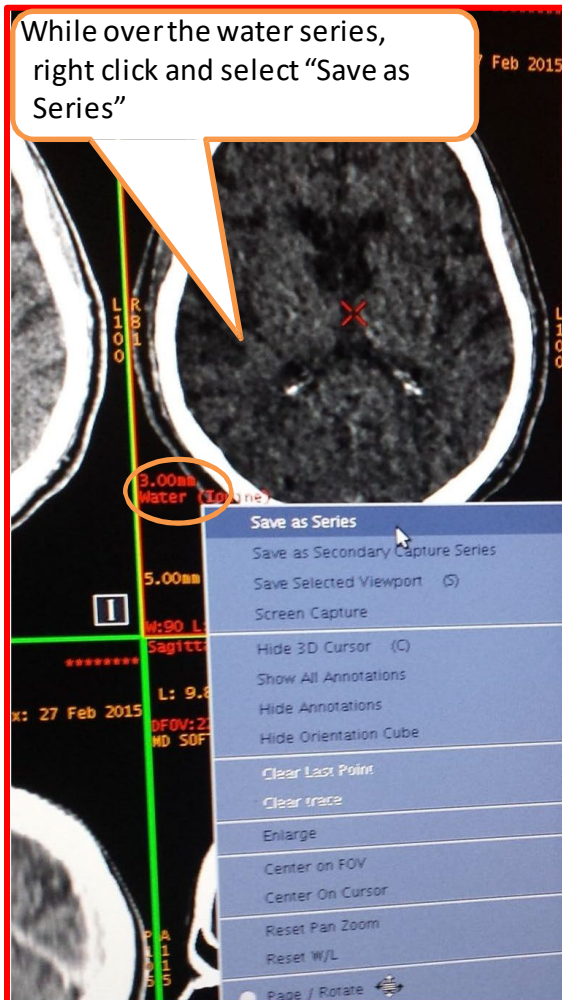


5b) Save series – water and iodine

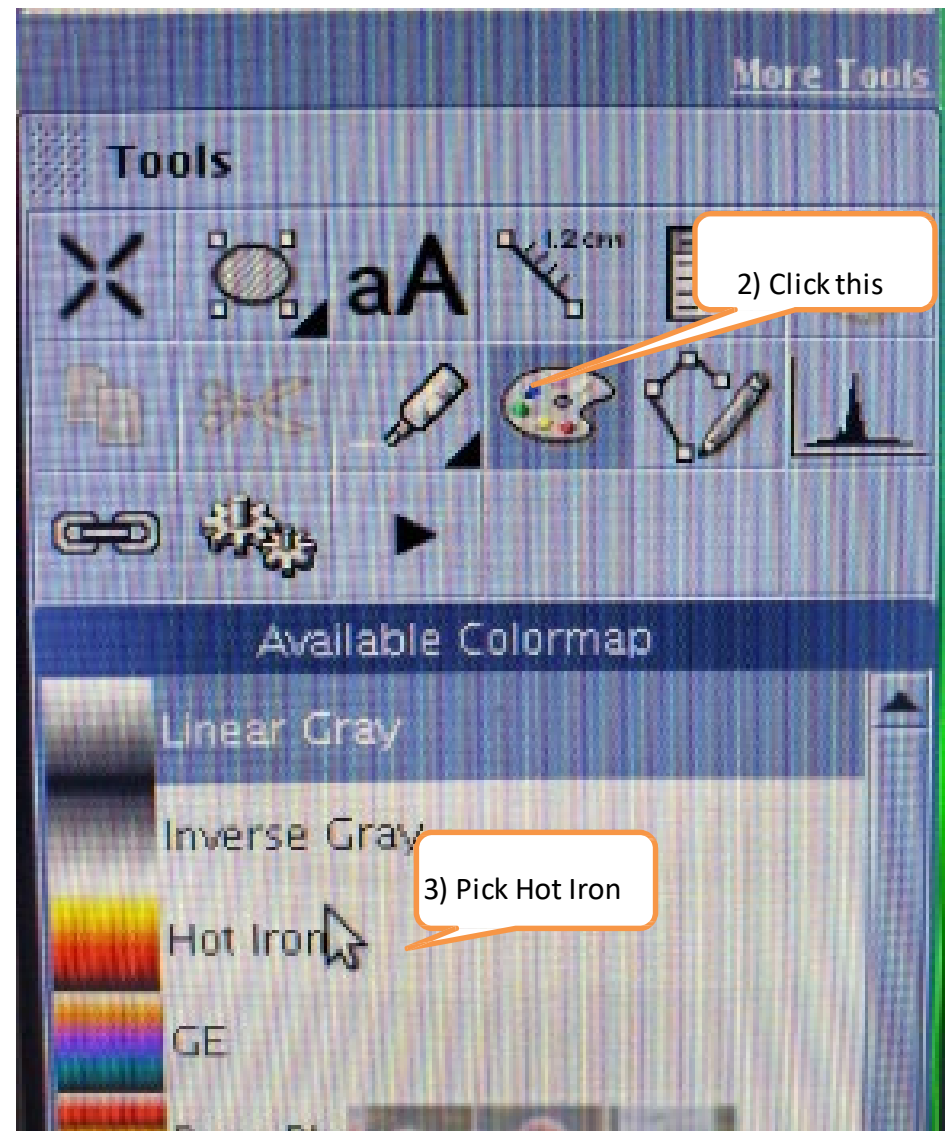
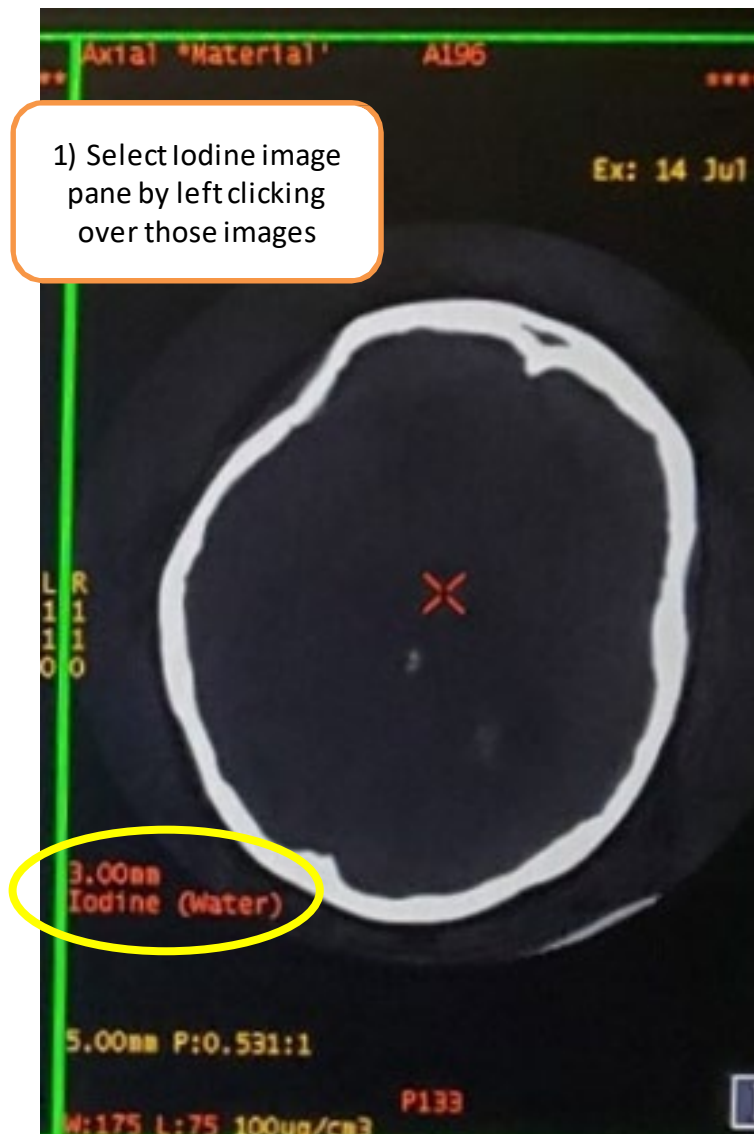
While over the water series,
right click and select “Save as
Series”

Repeat for iodine
series

When Saving, type minus in
front of material pair inside of
parentheses.



6a) Color Iodine images



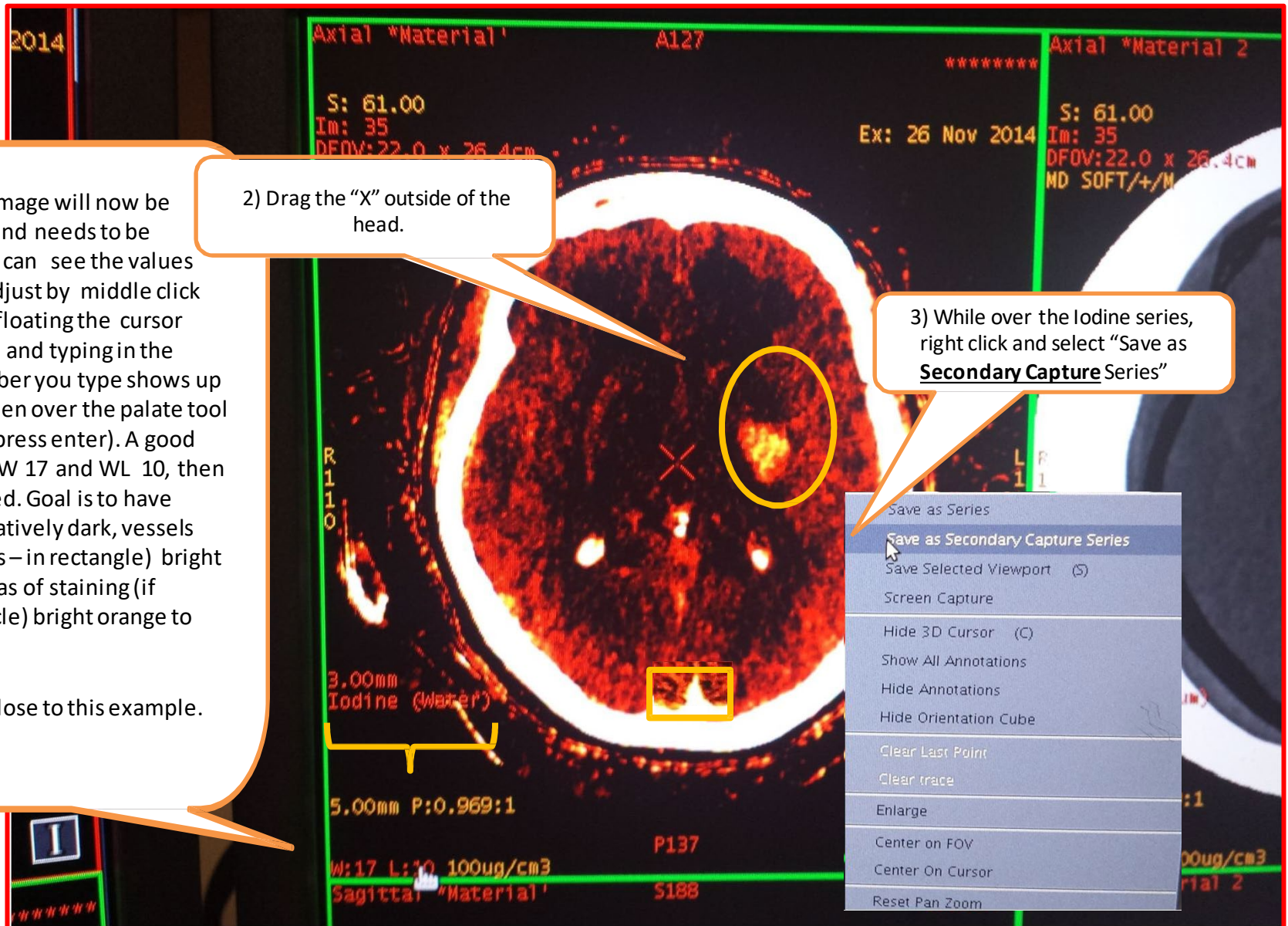
6b) Color Iodine images

1) The Iodine image will now be shades of red and needs to be windowed. You can see the values here and can adjust by middle click and drag or by floating the cursor over "W" or "L" and typing in the value (the number you type shows up on the left screen over the palate tool area until you press enter). A good start point is WW 17 and WL 10, then adjust as needed. Goal is to have background relatively dark, vessels (venous sinuses – in rectangle) bright yellow, and areas of staining (if present – in circle) bright orange to yellow.

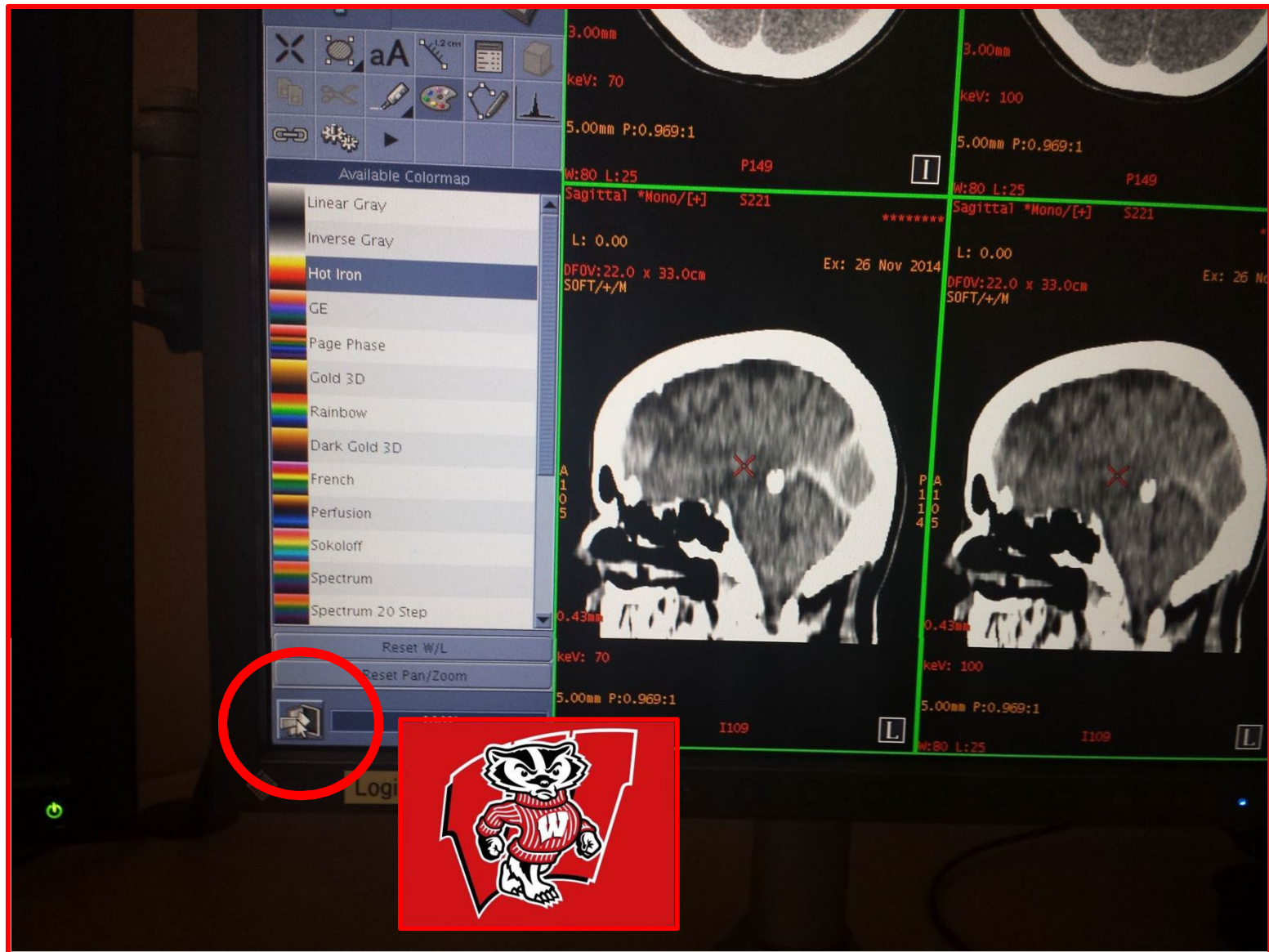
Something close to this example.

2) Drag the "X" outside of the head.

3) While over the Iodine series, right click and select "Save as **Secondary Capture Series**"



7) Exit dual energy program



8) Send images to PACS!

1 / 225 examinations

Patient Name	Patient ID	End Rev.	Exam ID	Date	Desc
		New	17000	Feb 23 2015	CT HE
		New	6218	Feb 23 2015	CT AP
		New	17040	Feb 23 2015	CT AP
		New	15000	Feb 24 2015	CT AP
		New	17000	Feb 27 2015	CT HE
		New	15000	Mar 02 2015	CT AP
		New	15041	Mar 02 2015	CT HE
		New	18051	Mar 03 2015	CT HE

2) Hold CTRL and left click on each of the series you made to select all of them

Series	Type	Modality	Description	Modality
1000	REFORMATTED	60	Mono 70 kV	CT
1001	REFORMATTED	60	Mono 100 kV	CT
1002	REFORMATTED	60	Water (dosed) ingested	CT
1003	REFORMATTED	60	Iodine (dosed) 100ug/cm2	CT
1004	SCPT	60	Iodine (dosed) 100ug/cm2	CT