

TIMS MVP[®] Training Guide

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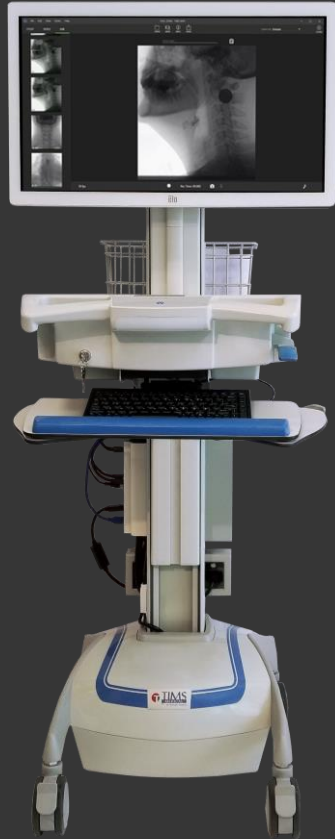
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***Disclaimer: Names in this document are entirely fictional.
They bear no resemblance to anyone living or dead.***

About TIMS MVP “Auto Save” & “Non-Destructive Editing”



TIMS MVP auto-saves all recording & edits.

There is no save command or button.

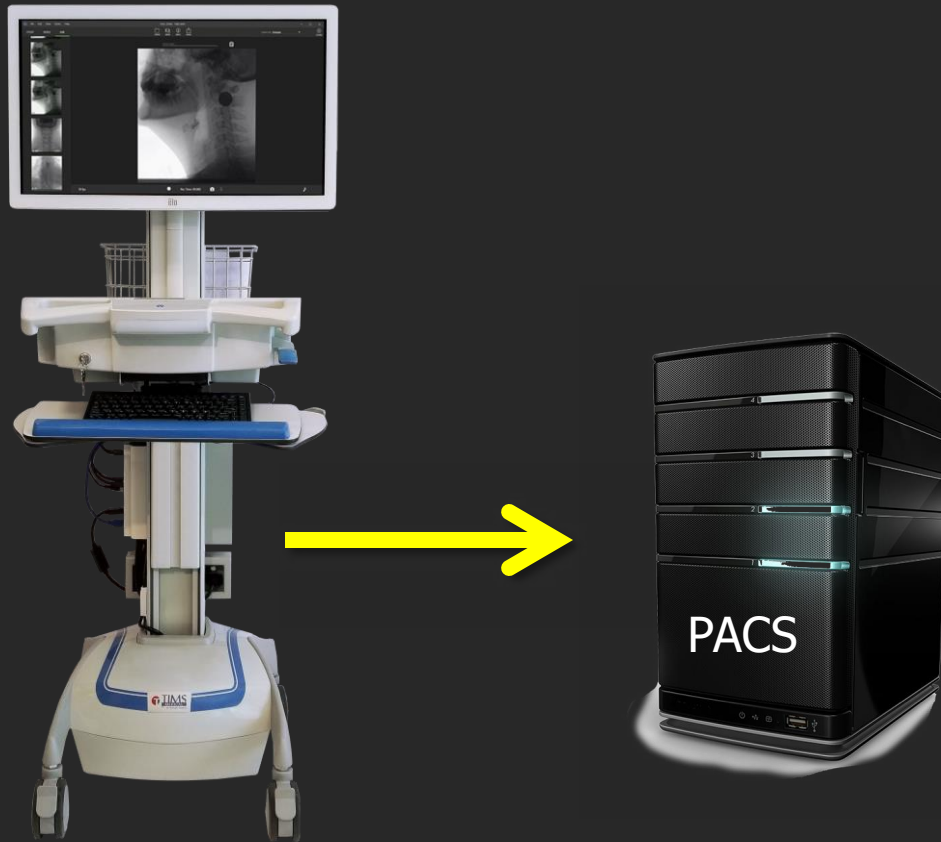
TIMS MVP uses non-destructive editing.

Deleted and trimmed imagery can be restored before sending to a new destination.

Workflow Options

Workflow Options: Send to PACS Only

Several common workflows are used by our customers. The next few slides will explain the pros and cons of each.



The most basic workflow is to record with TIMS MVP in the fluoro room, then send the completed study directly to PACS.

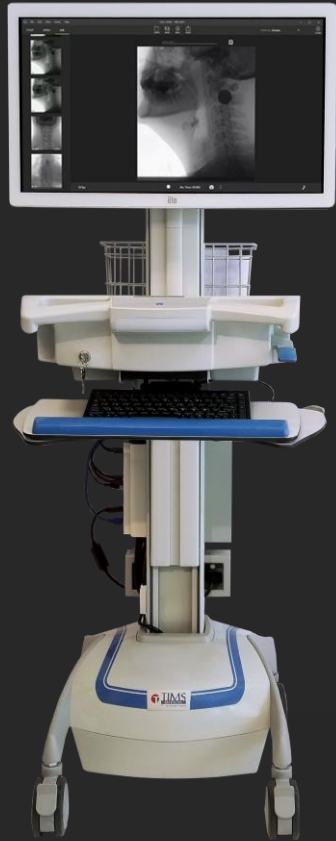
PROS

- Radiologists can quickly access the study if it needs to be “read” immediately after it was performed.

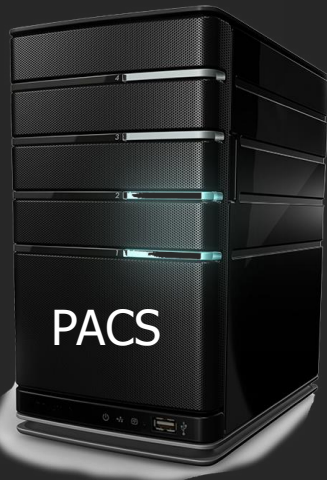
CONS

- Any edits (trimming or deleting series) to the study will need to be performed in the fluoro suite, possibly tying up the room.
- Further review of the study will have to be performed using PACS client software which is often not optimal for high resolution / high frame rate imagery.

Workflow Options: Send to TIMS Review, then PACS



TIMS Review Workstation



The most common workflow used by our customers is to record with TIMS MVP then send the completed study to a TIMS Review workstation (usually in the Speech Office). The study can be edited / reviewed more thoroughly and finally archived to PACS.

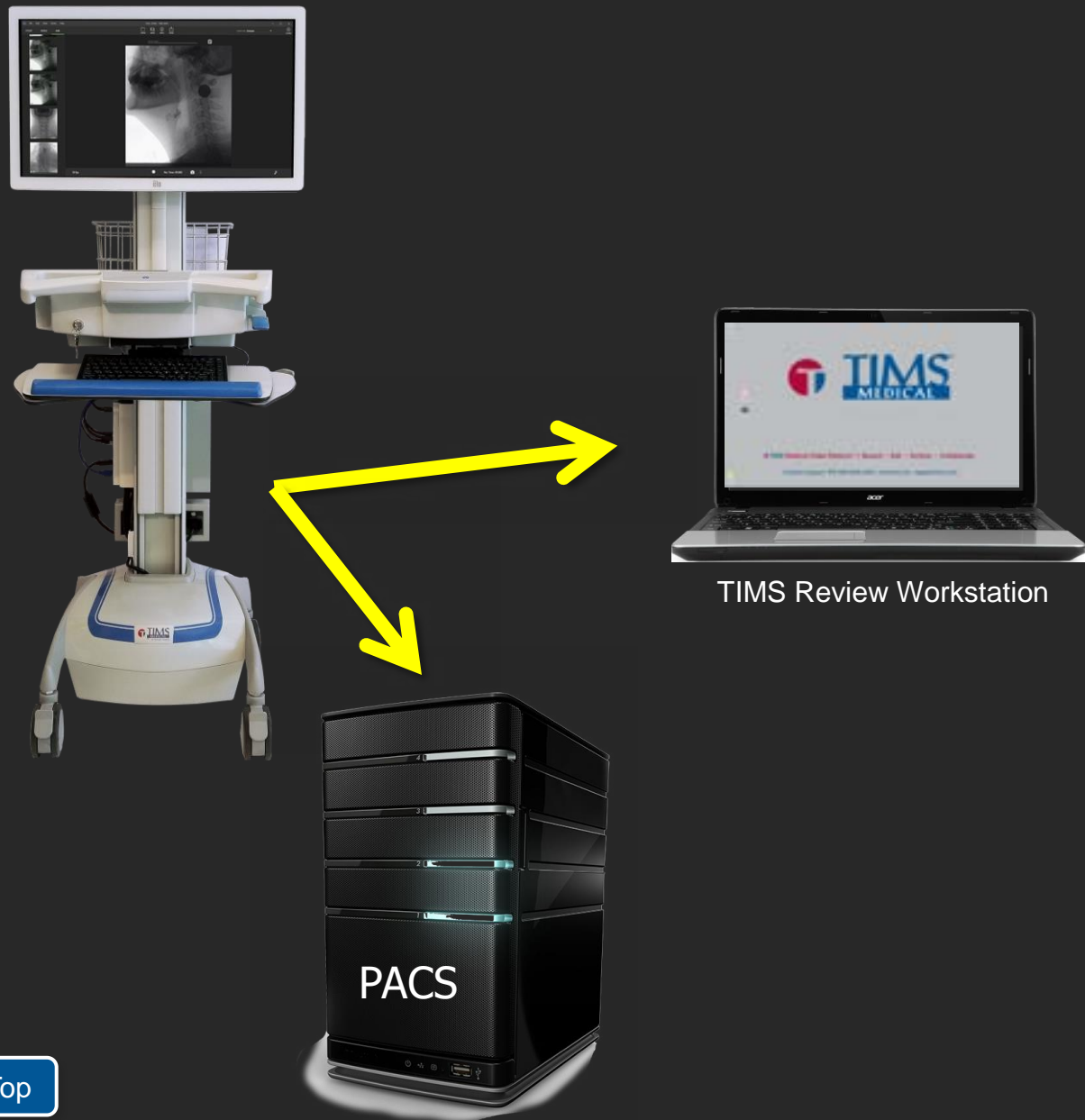
PROS

- Reduce time spent in procedure room. Review & editing done elsewhere.
- The study can be significantly reduced in size through trimming and deleting unwanted series.
- The TIMS Review software is optimized for smoothly reviewing high resolution / high frame rate imagery.
- TIMS Review includes tools for clinically analyzing MBSS such as scoring, timing swallowing events, frame-by-frame playback, etc.
- TIMS Review is an ideal platform for consulting with patients & their families.

CONS

- Study not available in PACS until sent from TIMS Review.

Workflow Options: Send to PACS & TIMS Review Simultaneously



A compromise is to record with TIMS MVP then send to both PACS and TIMS Review simultaneously.

PROS

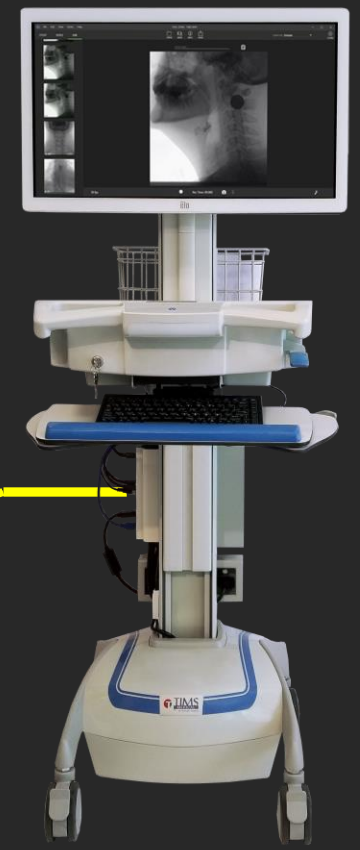
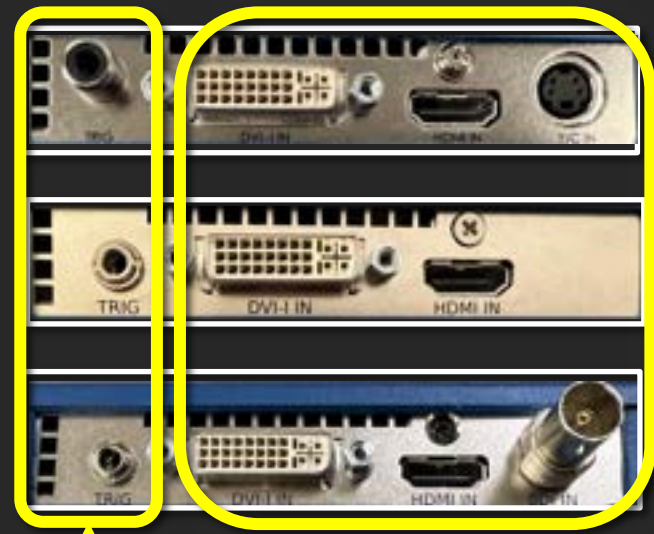
- Study immediately available in PACS for radiologist to review.
- All of the benefits outlined in previous slide for using TIMS Review to review and analyze study.

Connecting and Powering on TIMS MVP

TIMS MVP Mobile Cart Connections

TIMS MVP typically has 4 connections: Video, Trigger, LAN (network) and Power.
Find the corresponding cables coming from the TIMS mobile cart and make the connections.
The cables are usually labeled.

Depending on which TIMS System you have, the capture board will look like one of these.

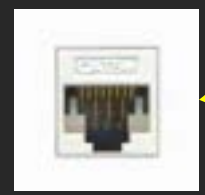


Video (will match one of these connections)

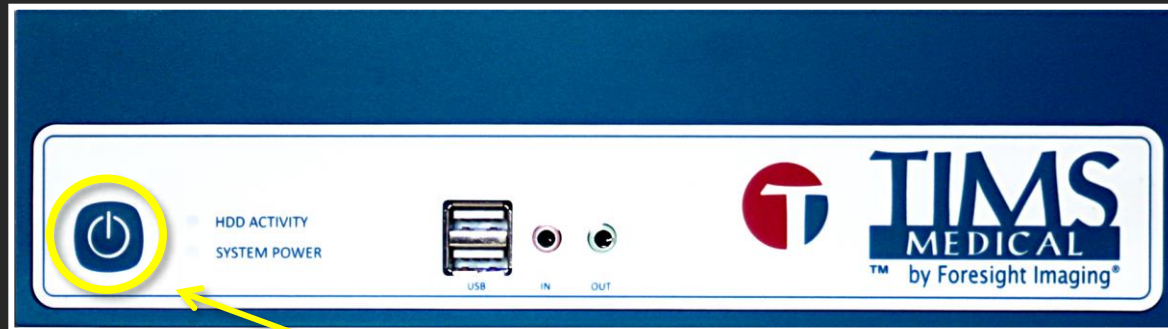
Trigger (will match one of these connections)

LAN (same as your home or office computer)

Power (you got this)



Powering on TIMS MVP



Find and press the power button on the front panel of the TIMS MVP computer.

Recording a Study



TIMS[®]

MEDICAL

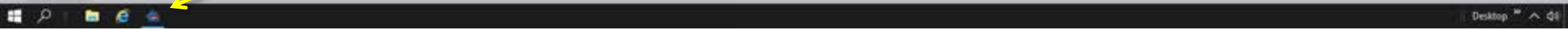


To launch the TIMS MVP application:
- Double click the icon on the desktop or
- Single click the icon on the task bar

 **TIMS Medical Video Platform[®] | Record • Edit • Archive • Collaborate**

Customer Support: 978-458-4624 x204 • www.tims.com • support@tims.com

Top



Desktop ^ ☰

Study Dashboard

NEW BLANK STUDY... filter list CANCEL NEW...

STUDIES WORKLIST MEDIPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
221109000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
221109000011	53311737	DEVI, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
221109000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
221109000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
221109000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
221109000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221109000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
221109000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSL
221109000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
221109000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
221109000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
221109000013	47489218	SATEL, HABIL	10/17/1967	M	Shoulder	11/9/2022	CT	DR. HOWARD WARREN	ROTATOR MOV
221109000024									REDUCED MOE
221109000010									SWALLOW STU
221109000016									CHEST PAIN
221109000035									FESTRETETSEST
221109000023									EXAMINE BRAI
221109000021									EXAMINE LEFT
221109000020									EXAMINE UPPE
221109000019									
221109000017									
221109000036	07864563	WHITE, ROBERT	8/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
221109000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

TIMS MVP should open directly to the Worklist tab in the Study Dashboard. The Study Dashboard is the starting point for creating a new study, or opening an existing study from the Studies tab.

* If you aren't using a Worklist, you can enter patient information manually using the "New Blank Study..." button.

You can quickly search on any column using the "filter list" option.

filter list

CANCEL

NEW...

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
2211090000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
2211090000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
2211090000011	53311737	DEVI, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
2211090000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
2211090000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
2211090000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
2211090000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
2211090000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
2211090000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNNATHAN COR...	DIGESTIVE ISSL
2211090000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
2211090000014	82599416	PANADOPOULOS, NK...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
2211090000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
2211090000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
2211090000024	000069420	Seashells, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
2211090000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOB
2211090000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
2211090000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
2211090000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTTESTSEST
2211090000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
2211090000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
2211090000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
2211090000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
2211090000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
2211090000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

Study Dashboard

NEW BLANK STUDY... CANCEL NEW...

STUDIES **WORKLIST** MEDIPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221100000011	53311737	DEVL, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
221100000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221100000013	47489218	SMITH, THOMAS	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV

The filtering option is very powerful. You can search on virtually any column by typing just a few letters. Here the list has been narrowed by typing a few letters of the patient's first name.

Study Dashboard


NEW BLANK STUDY... [Calendar] [Refresh] [CANCEL] [NEW...]

STUDIES [Folder] WORKLIST [List] MEDIPLUS [Dropdown]

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221100000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU

The list has been further narrowed by adding a space then a few letters of the referring doctor's last name.

Study Dashboard

NEW BLANK STUDY... filter list  CANCEL NEW...

STUDIES	WORKLIST	PLUS			
Accession	Patient ID	Name	DOB	Referring	Descript
221201000008	85639105	ANDERSON, JON	5/30/1975	M	
221201000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	
221201000022	5231258148512	Hammer, John	10/12/1968	M	
221201000011	5231258148512	Hammer, John	10/12/1968	M	
221201000021	36788524	MURPHY, JANE	7/11/1979	F	
221201000015	78344015	NGUYEN, LIAM	7/12/1962	M	
221201000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	
221201000012	90363183	ROSS, MARK	5/20/1954	M	
221201000013	47489218	SATO, HARU	10/17/1957	M	
221201000024	000069420	Seashells, Sally	4/20/1969	M	
221201000010	57831880	SILVA, BETH	8/22/1934	F	
221201000016	49206293	SMITH, JOHN	5/9/1968	M	
221201000035	49206293	SMITH, JOHN	5/9/1968	M	
221201000023	000100	test, test	4/20/2022	M	
221201000021	000096	TESTING, QC	6/28/2021	M	
221201000020	000098	TESTING, QC	6/28/2021	M	
221201000019	000097	TESTING, QC	6/28/2021	M	
221201000017	07864563	WHITE, ROBERT	9/13/1972	M	
221201000036	07864563	WHITE, ROBERT	9/13/1972	M	
221201000033	82356339	YILMAZ, EYMEN	9/14/1963	M	

Dec 2022 >


5	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Jan 2023 >

Head	Shoulder	Coccyx	Hip	Head	Chest	Knee	Head	Chest	Chest	Abdomen	Abdomen	Neck
12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022
RF	OT	RF	RF	RF	RF	NM	ES	PT	PT	US	US	ES
DR. HOWARD WARREN	DR. HOWARD WARREN	Dr. RICHARD MIGNON	DR. FREDERICK BELL	DR. ALBERT JOHNSON	DR. ALBERT JOHNSON	JOED	JOED	JOED	DR. FREDERICK BELL	DR. ELIZABETH ANDRE...		
SWALLOW STU	ROTATOR MOV		REDUCED MOE	SWALLOW STU	CHEST PAIN	TESTSTETSEST	EXAMINE BRAI	EXAMINE LEFT	EXAMINE UPPE	SEVERE STOMA	POSSIBLE CAN	

You may also filter by study date if you need to locate a patient from a previous or future date by clicking on the calendar icon.

Study Dashboard

NEW BLANK STUDY... filter list  CANCEL NEW...

STUDIES **WORKLIST** MEDPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. GIAN PERONA	BASELINE
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ELIZABETH ANDRE...	LIMITED MOVE
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	
221109000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
221109000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
221109000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221109000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
221109000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSL
221109000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
221109000014	82599416	PAPADOPOULOS, NC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
221109000012	90363183	ROSSI, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
221109000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
221109000024	000069420	Seeshell, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
221109000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
221109000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
221109000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
221109000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTESTETSEST
221109000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
221109000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
221109000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
221109000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
221109000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
221109000033	82156339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

You may also refresh the worklist by clicking this icon.

Study Dashboard

NEW BLANK STUDY...

STUDIES MEDPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
2211090000008	85629185	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
2211090000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
2211090000011	53311737	DEVI, ARYA	3/23/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
2211090000022	5231258148512	Hammer, John	10/12/1958	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
2211090000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
2211090000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
2211090000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
2211090000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
2211090000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSL
2211090000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
2211090000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
2211090000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
2211090000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
2211090000024	000069420	Seashells, Sally	4/20/1969	M	Cervix	11/9/2022	RF	Dr. RICHARD MIGNON	
2211090000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
2211090000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
2211090000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
2211090000023	000100	test, test							TESTTESTSEST
2211090000021	000096	TESTING, QC							EXAMINE BRAI
2211090000020	000098	TESTING, QC							EXAMINE LEFT
2211090000019	000097	TESTING, QC							EXAMINE UPPE
2211090000017	07864563	WHITE, ROBERT							
2211090000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
2211090000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

Select your patient from the worklist. Double click, press "Enter" on the keyboard, or click the "New..." button to proceed.

Study Dashboard Study Info

NEW BLANK STUDY...

STUDIES [Folder Icon] WK

Accession	Pattern	Last	First	Referring	Description
		MULLER	EMMA	DR. PALMER TAYLOR	SKULL FRACTURE

Channel: Fluoro Room 1

#EDIPLUS

Referring: DR. PALMER TAYLOR

Description: SKULL FRACTURE

Body Part: Head

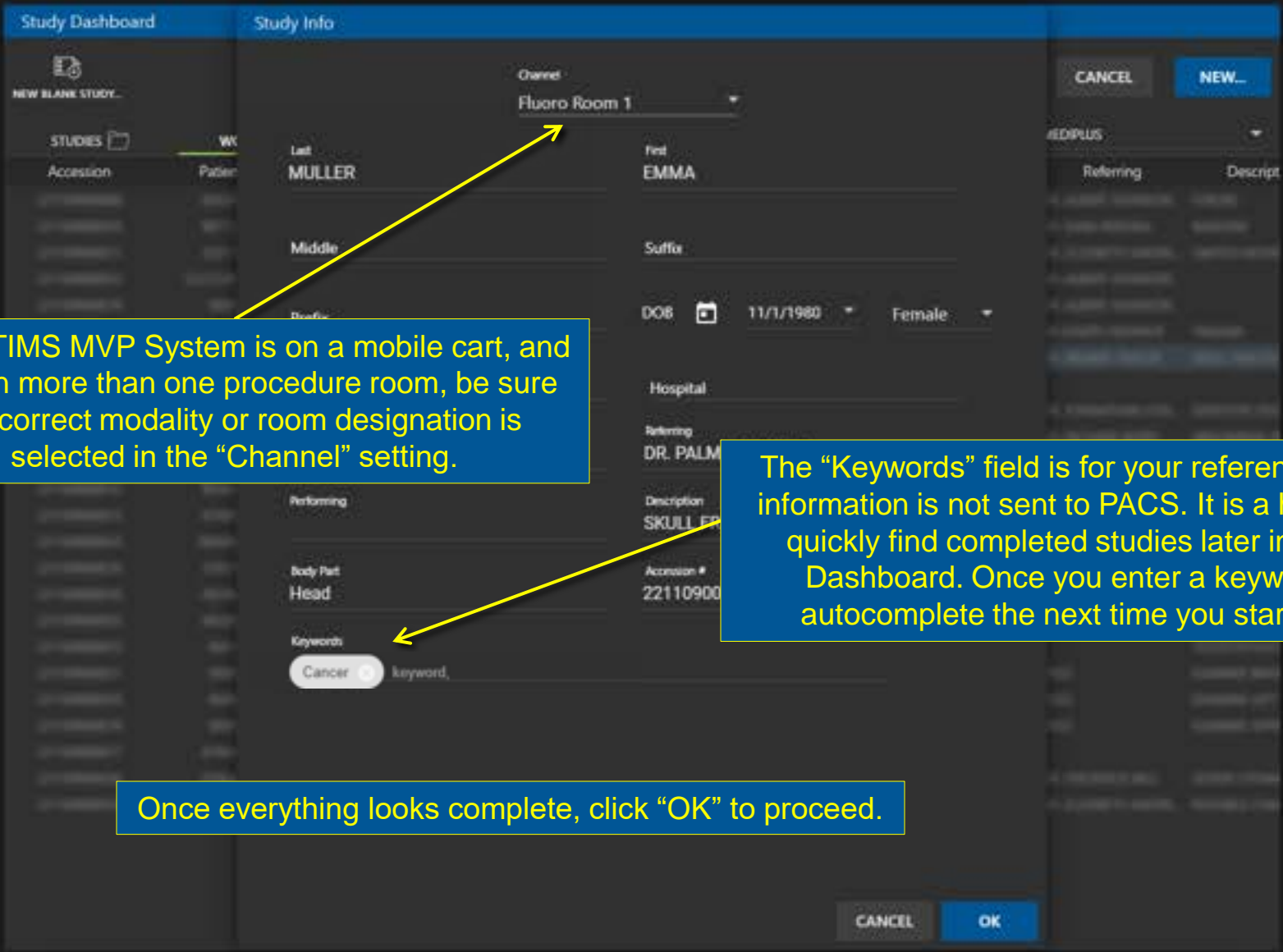
Accession #: 221109000018

Keywords: keyword

CANCEL NEW...

CANCEL OK

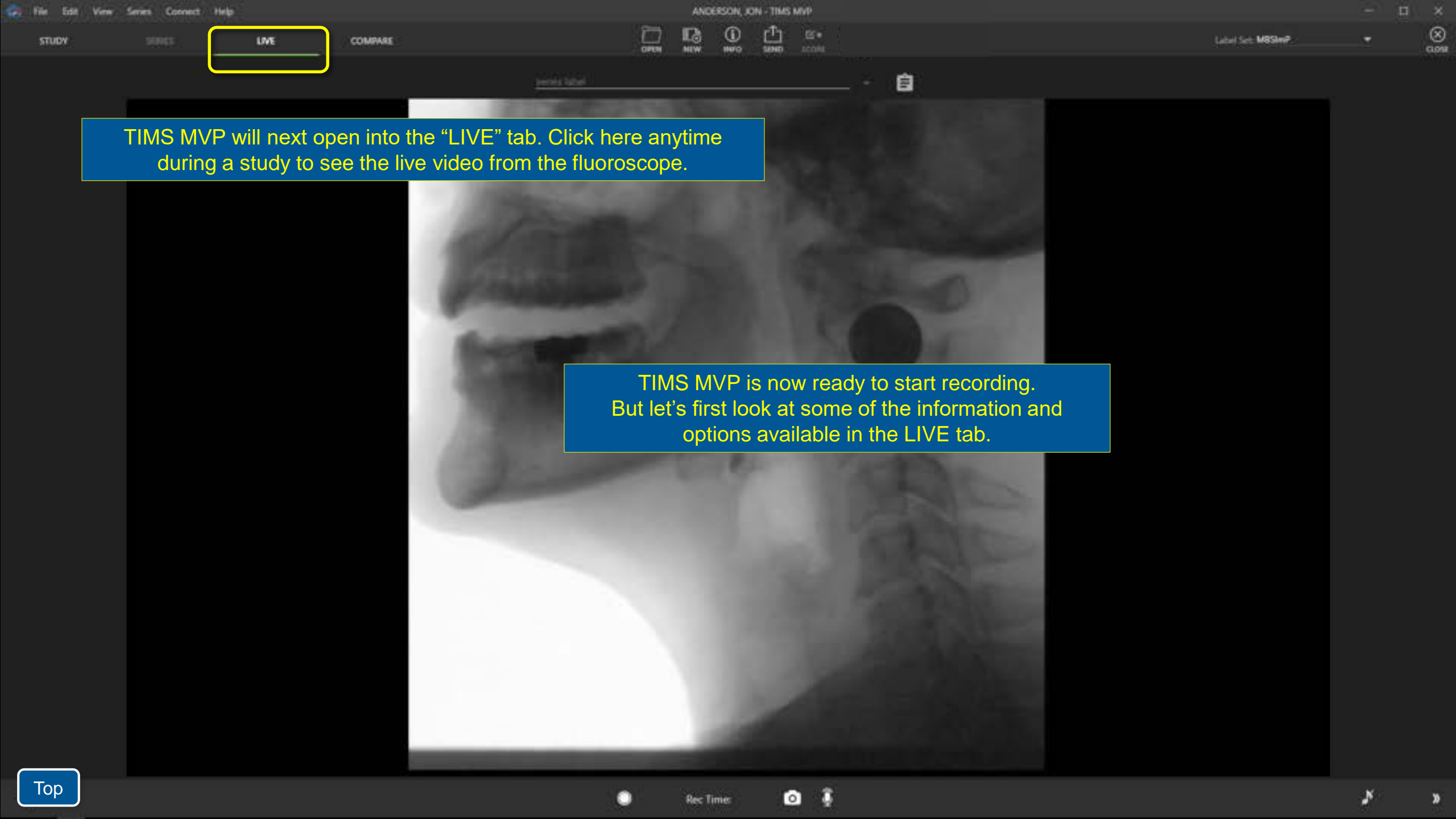
The "Study Info" screen provides you with the opportunity to confirm that all the study information is correct or make any necessary changes. These fields are all editable if required.



If your TIMS MVP System is on a mobile cart, and used in more than one procedure room, be sure the correct modality or room designation is selected in the “Channel” setting.

The “Keywords” field is for your reference only. This information is not sent to PACS. It is a handy way to quickly find completed studies later in the Study Dashboard. Once you enter a keyword, it will autocomplete the next time you start typing it.

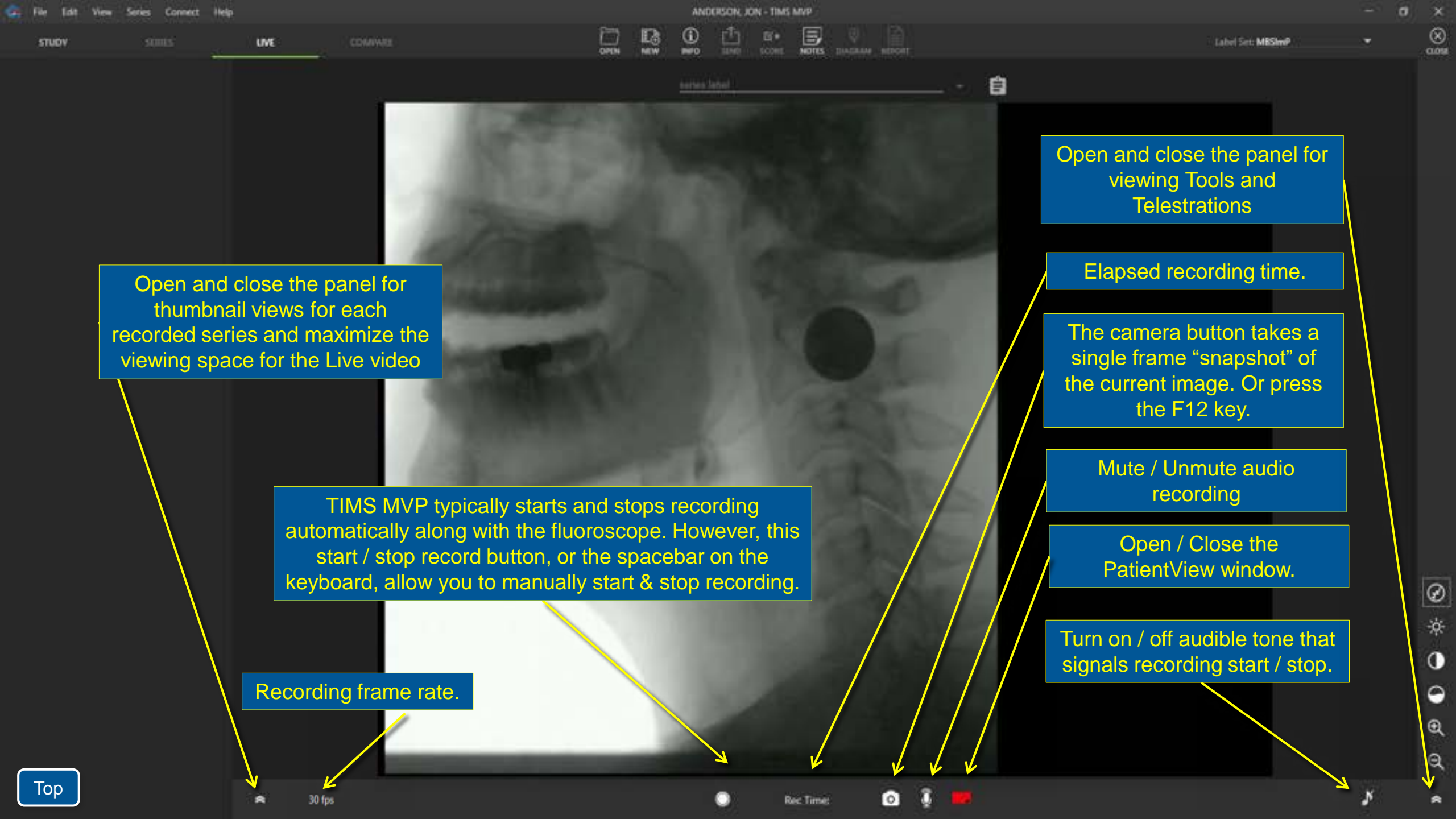
Once everything looks complete, click “OK” to proceed.



TIMS MVP will next open into the "LIVE" tab. Click here anytime during a study to see the live video from the fluoroscope.

TIMS MVP is now ready to start recording. But let's first look at some of the information and options available in the LIVE tab.

Top



Open and close the panel for thumbnail views for each recorded series and maximize the viewing space for the Live video

TIMS MVP typically starts and stops recording automatically along with the fluoroscope. However, this start / stop record button, or the spacebar on the keyboard, allow you to manually start & stop recording.

Recording frame rate.

Open and close the panel for viewing Tools and Telestrations

Elapsed recording time.

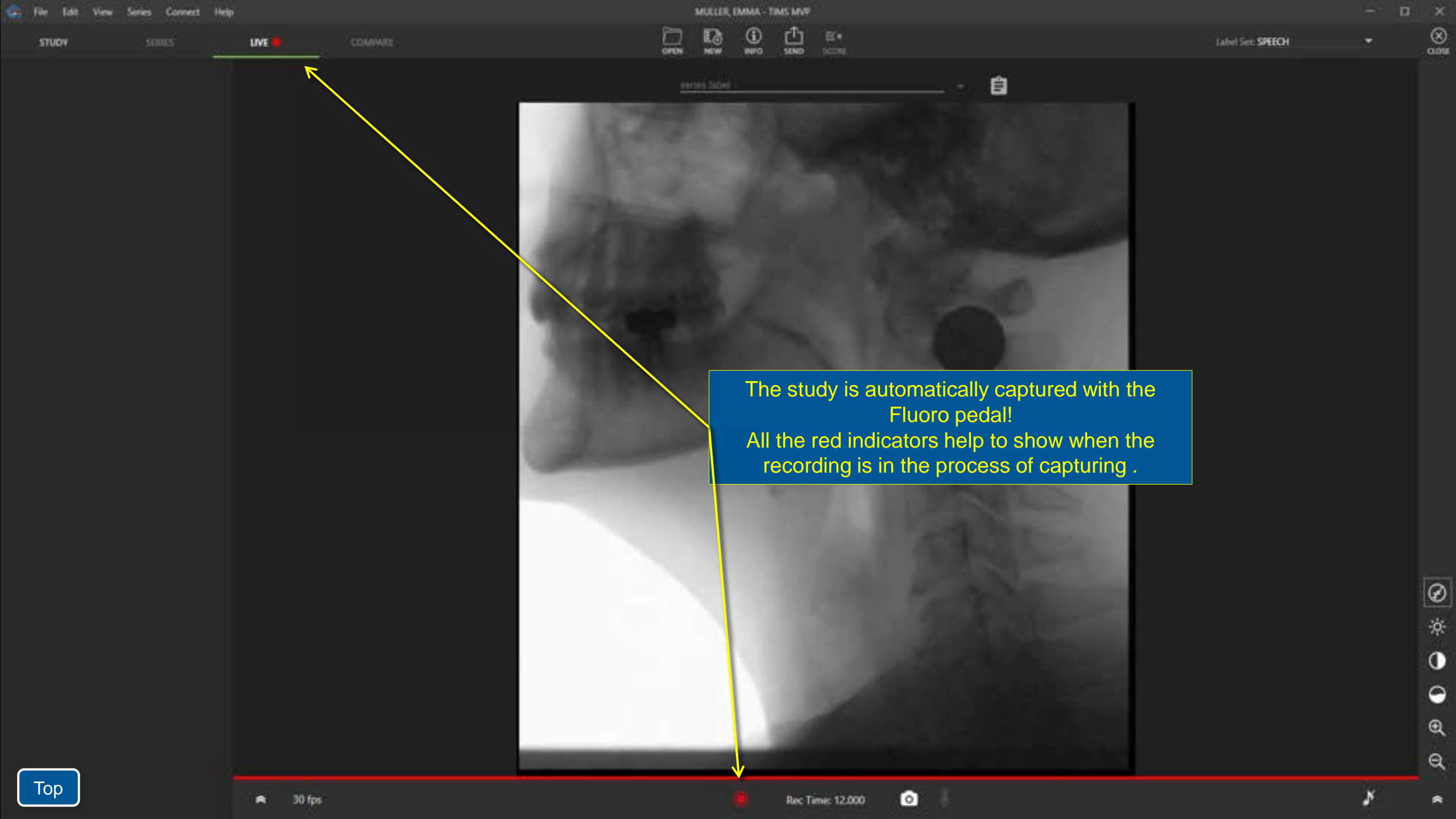
The camera button takes a single frame "snapshot" of the current image. Or press the F12 key.

Mute / Unmute audio recording

Open / Close the PatientView window.

Turn on / off audible tone that signals recording start / stop.

Top



STUDY

SERIES

LIVE

COMPARE

OPEN NEW INFO SEND SCORE

Label Set: SPEECH

CLOSE

series 1001

The study is automatically captured with the Fluoro pedal!
All the red indicators help to show when the recording is in the process of capturing .

Top

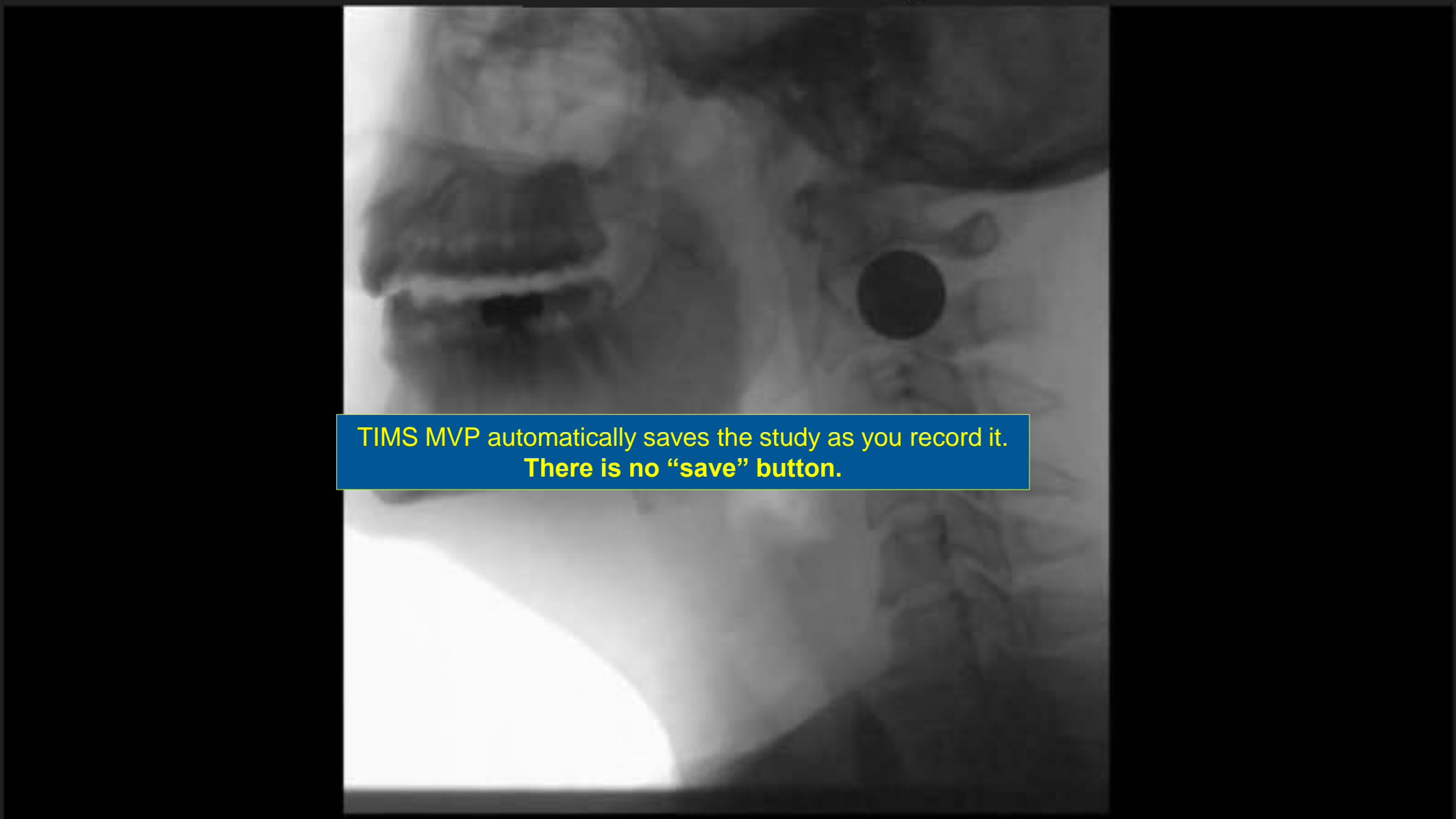
30 fps

Rec Time: 12.000



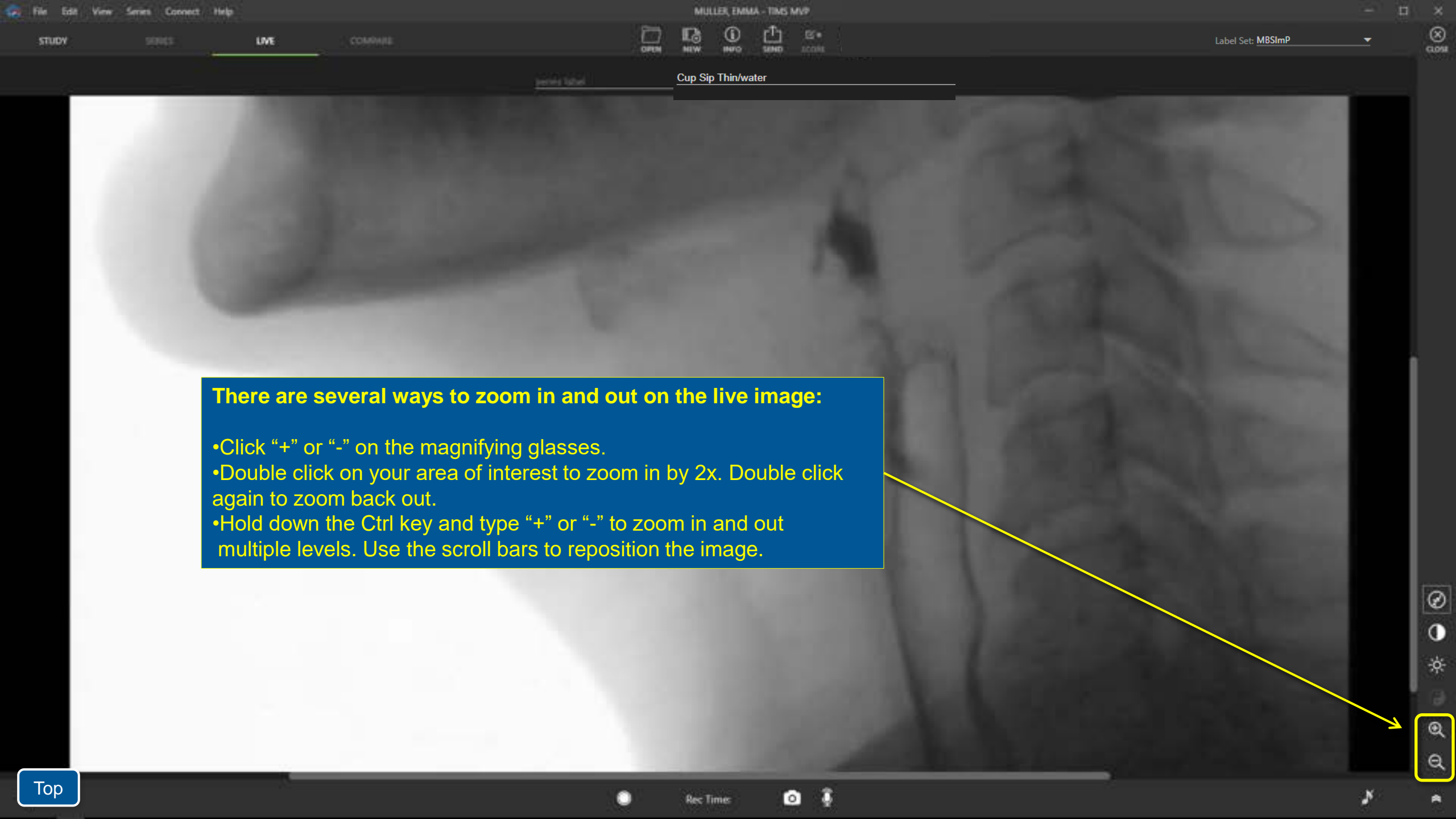


Cup Sip Thin/water



TIMS MVP automatically saves the study as you record it.
There is no "save" button.

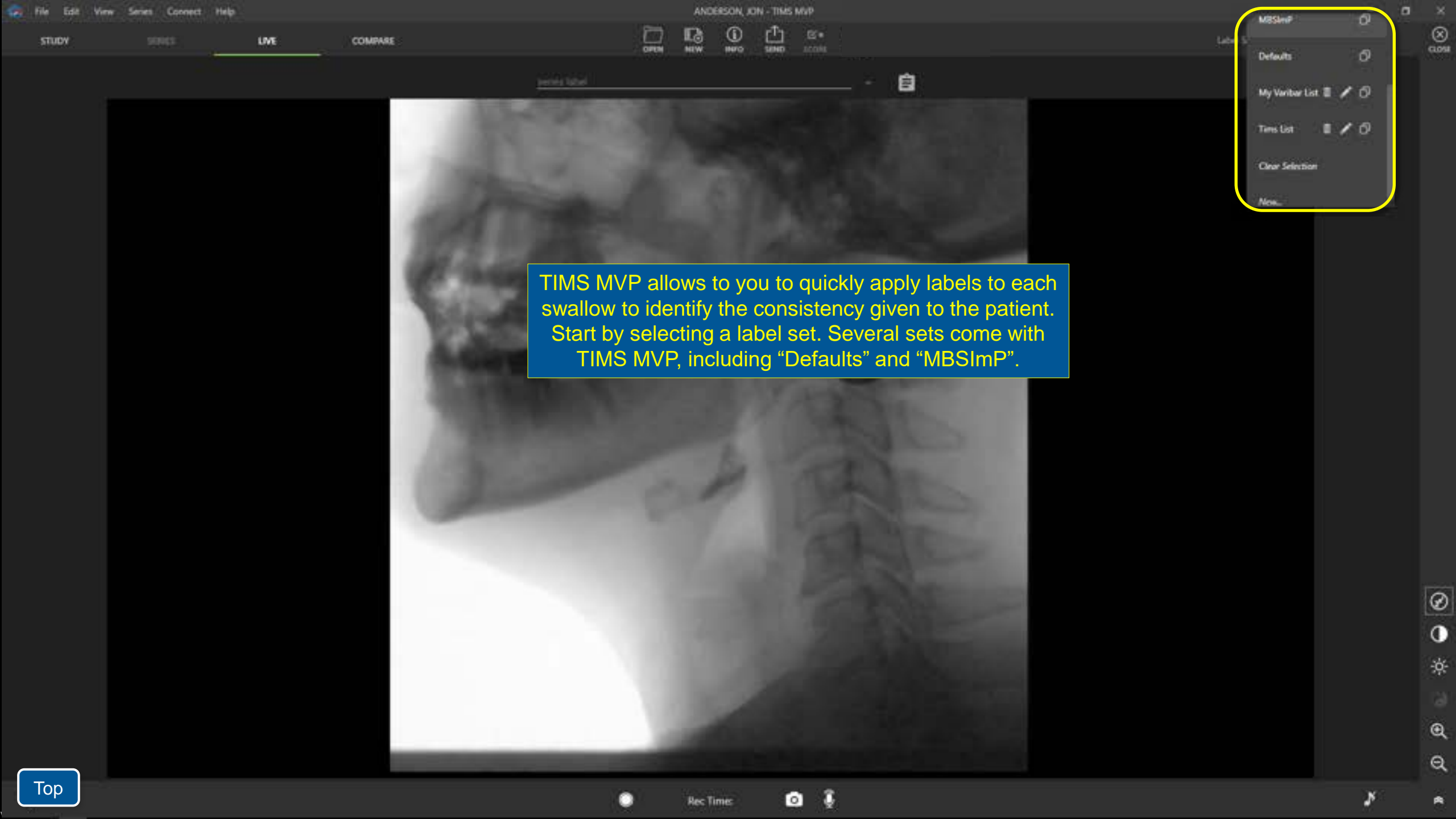
Top



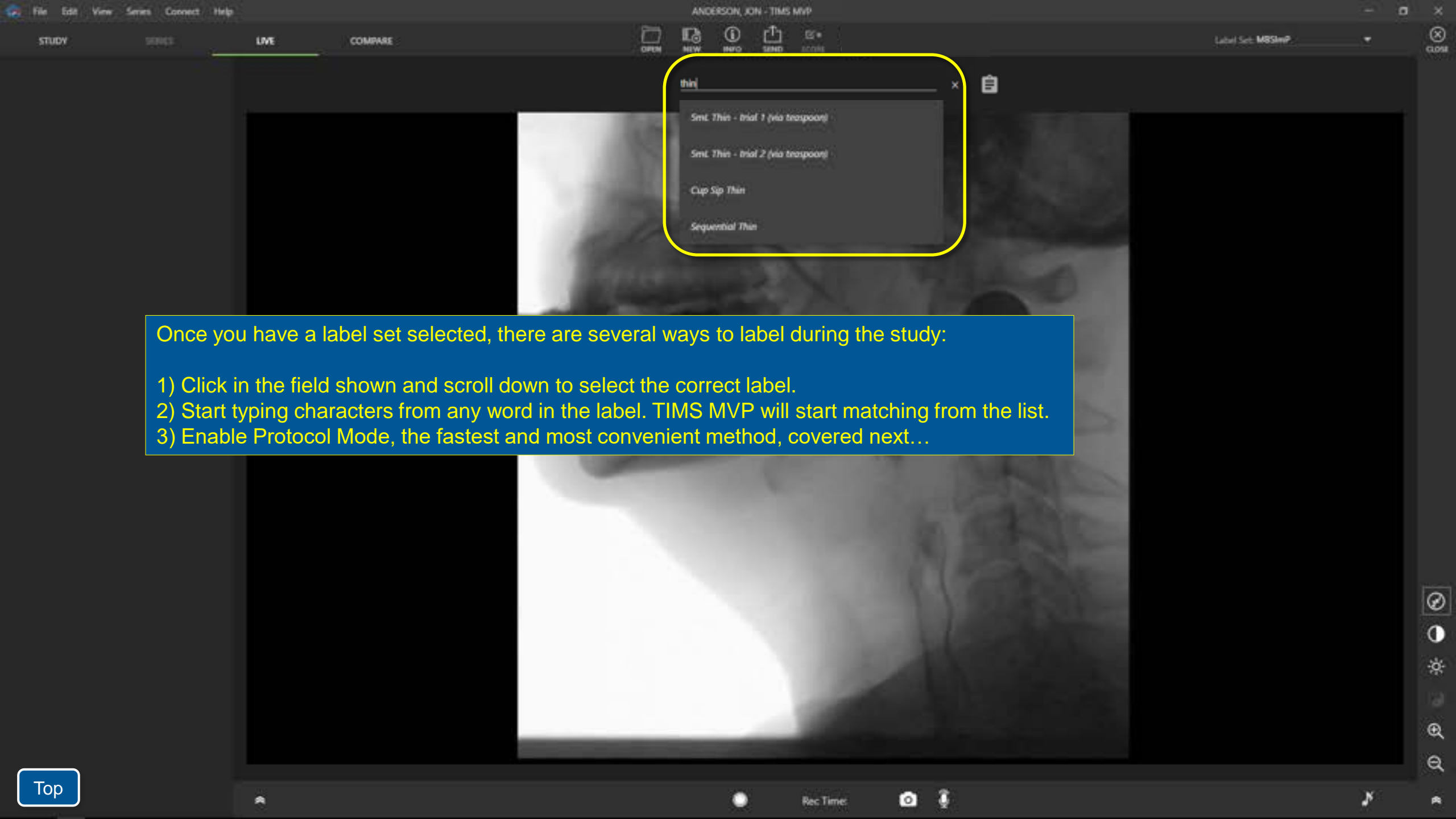
There are several ways to zoom in and out on the live image:

- Click “+” or “-” on the magnifying glasses.
- Double click on your area of interest to zoom in by 2x. Double click again to zoom back out.
- Hold down the Ctrl key and type “+” or “-” to zoom in and out multiple levels. Use the scroll bars to reposition the image.

Labeling During the Study & Protocol Mode

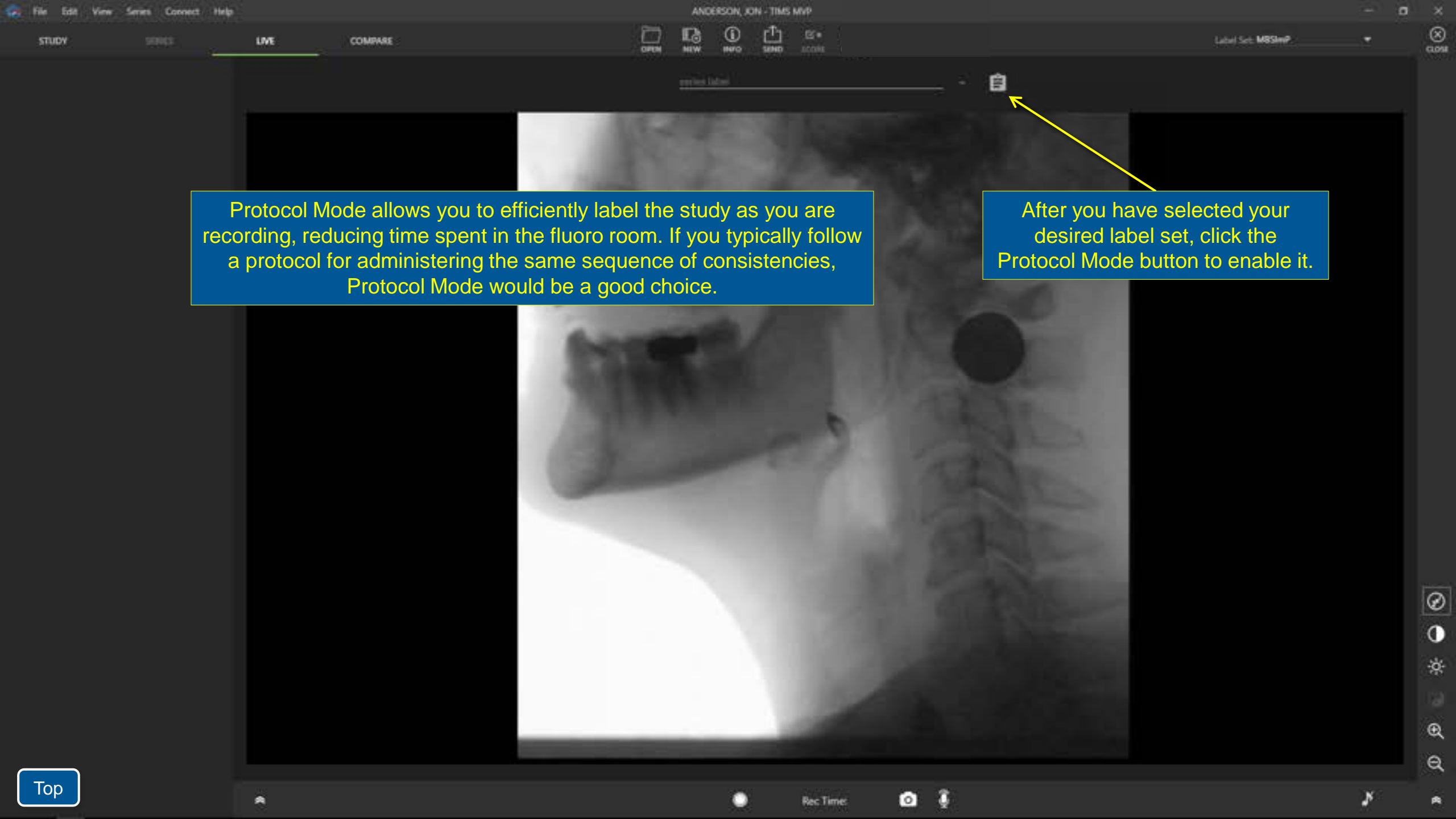


TIMS MVP allows to you to quickly apply labels to each swallow to identify the consistency given to the patient. Start by selecting a label set. Several sets come with TIMS MVP, including “Defaults” and “MBSImP”.



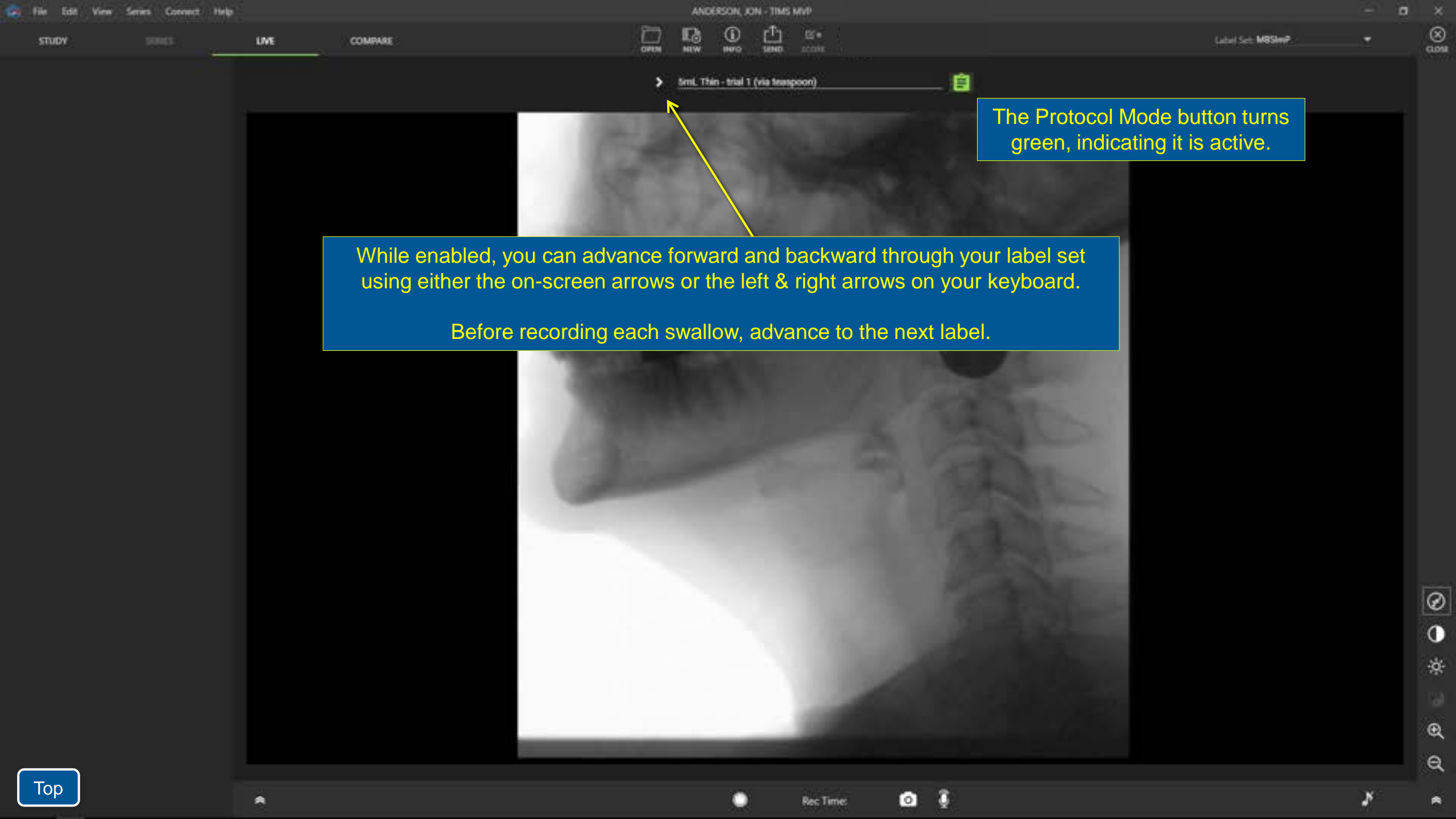
Once you have a label set selected, there are several ways to label during the study:

- 1) Click in the field shown and scroll down to select the correct label.
- 2) Start typing characters from any word in the label. TMS MVP will start matching from the list.
- 3) Enable Protocol Mode, the fastest and most convenient method, covered next...



Protocol Mode allows you to efficiently label the study as you are recording, reducing time spent in the fluoro room. If you typically follow a protocol for administering the same sequence of consistencies, Protocol Mode would be a good choice.

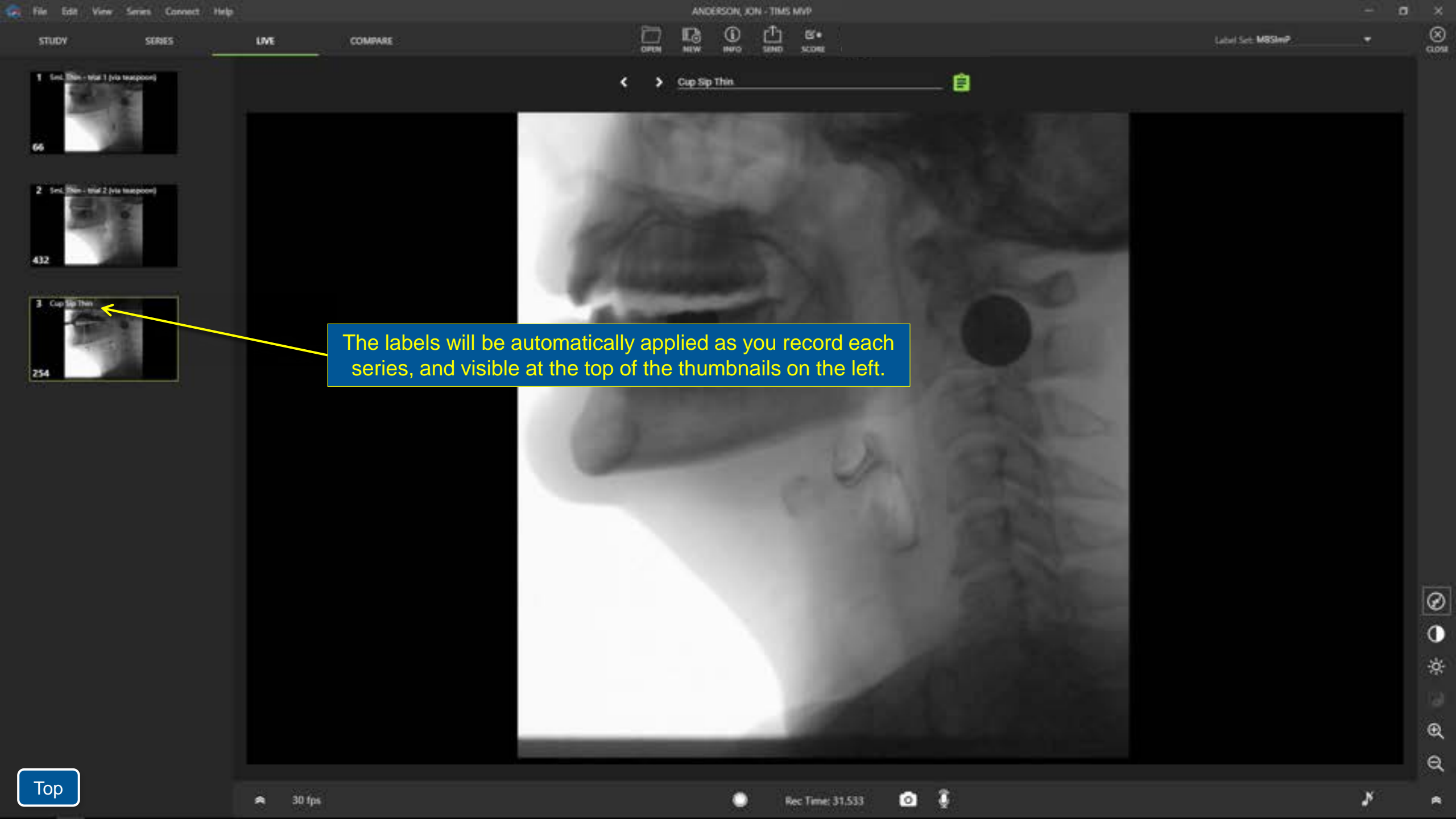
After you have selected your desired label set, click the Protocol Mode button to enable it.



The Protocol Mode button turns green, indicating it is active.

While enabled, you can advance forward and backward through your label set using either the on-screen arrows or the left & right arrows on your keyboard.

Before recording each swallow, advance to the next label.

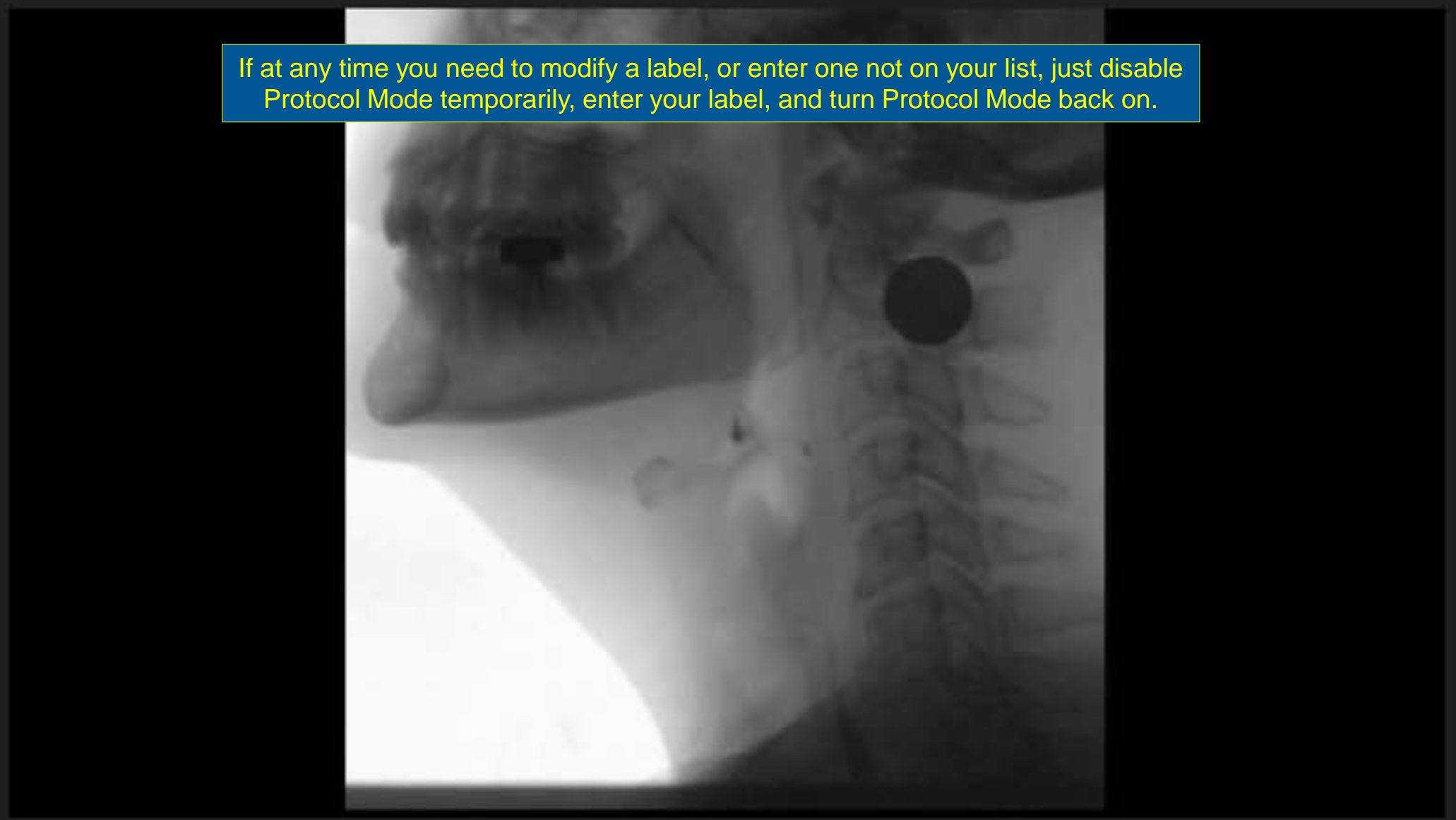


The labels will be automatically applied as you record each series, and visible at the top of the thumbnails on the left.

- 1 Snd Thin - trial 1 (via teatpool) 66
- 2 Snd Thin - trial 2 (via teatpool) 432
- 3 Cup Sip Thin 254
- 4 Repeat Cup Sip Thin Water 194

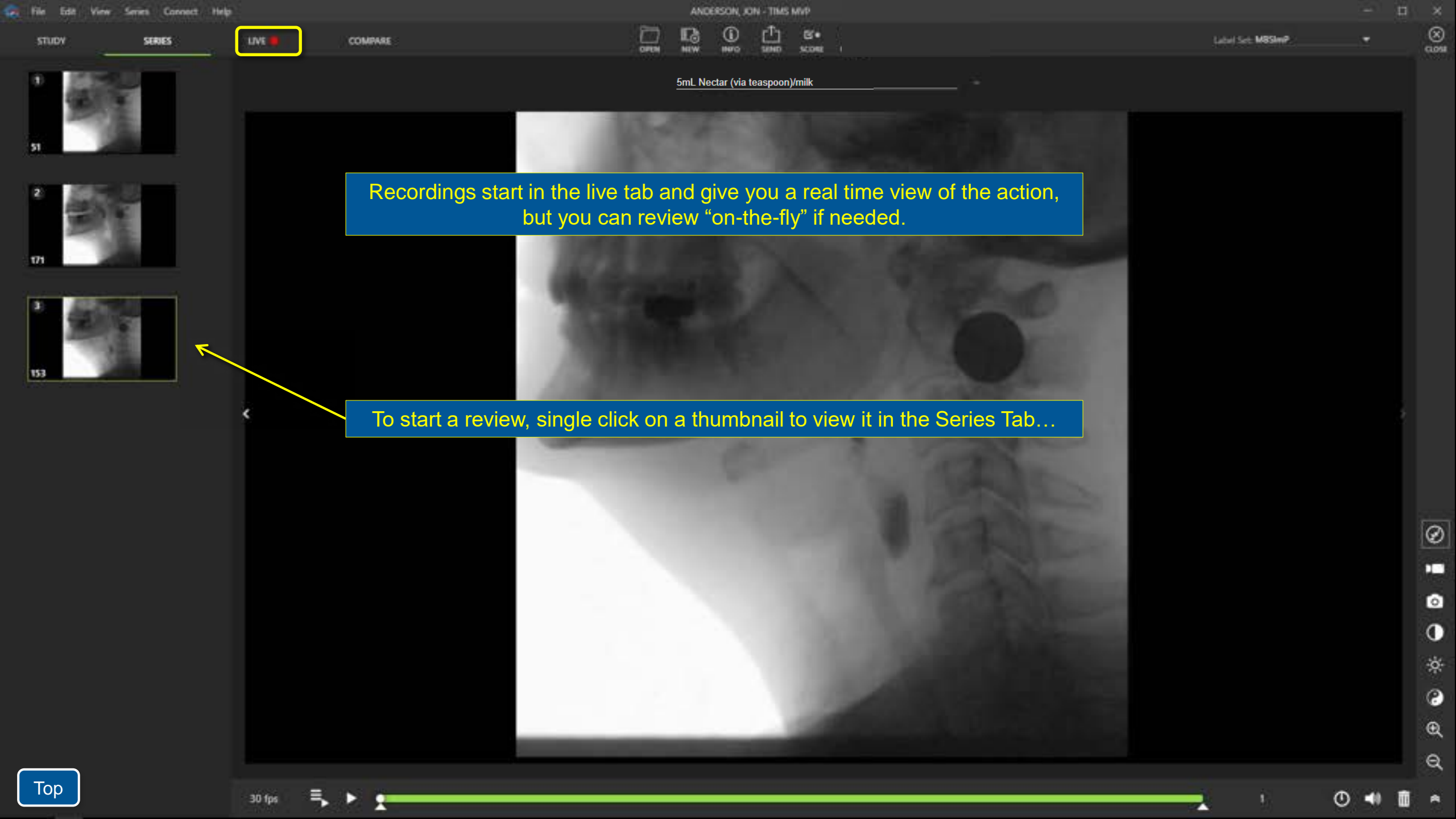
Repeat Cup Sip Thin Water

If at any time you need to modify a label, or enter one not on your list, just disable Protocol Mode temporarily, enter your label, and turn Protocol Mode back on.



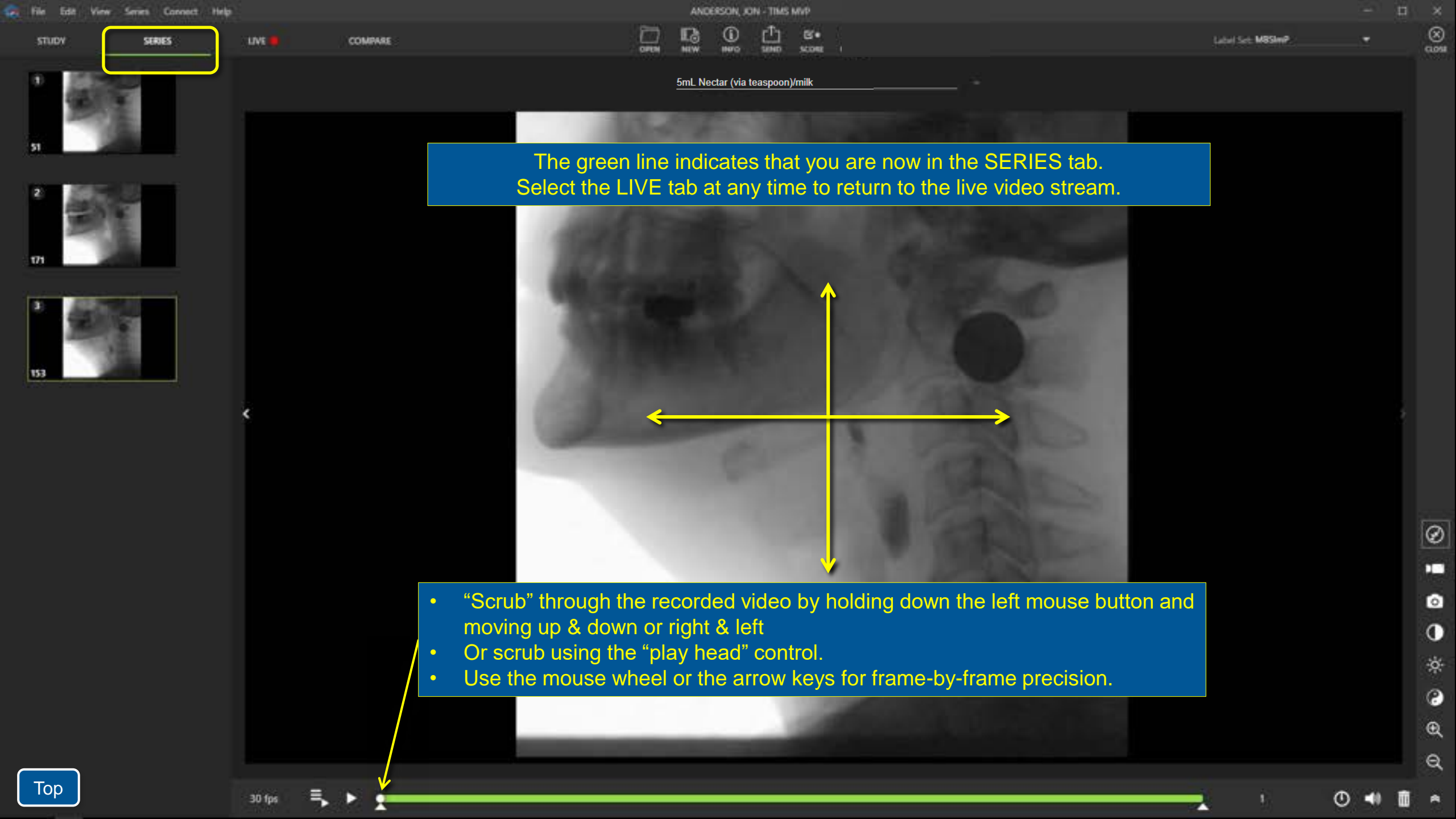
Top

Quickly Reviewing Recorded Swallows



Recordings start in the live tab and give you a real time view of the action, but you can review "on-the-fly" if needed.

To start a review, single click on a thumbnail to view it in the Series Tab...



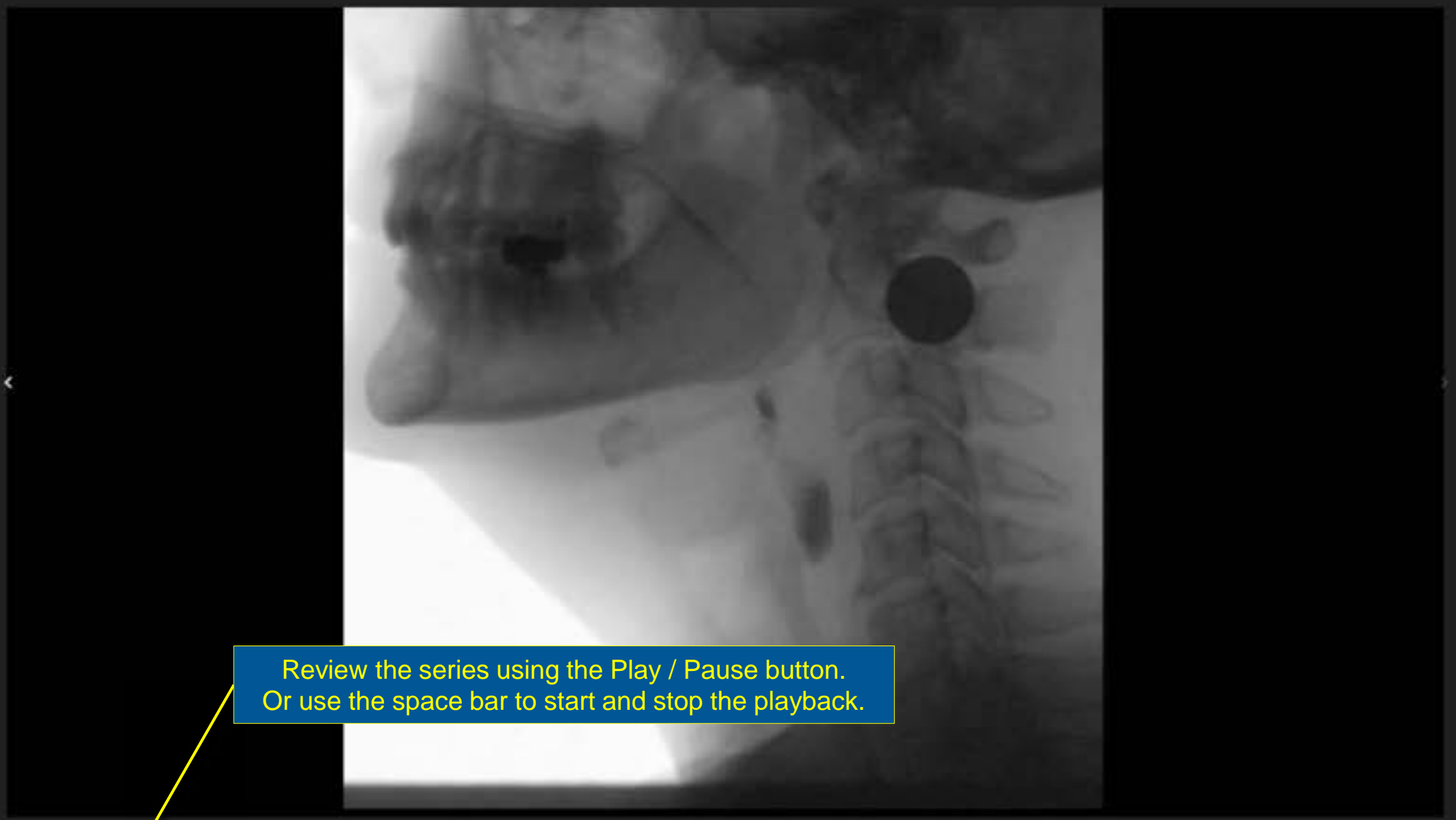
The green line indicates that you are now in the SERIES tab. Select the LIVE tab at any time to return to the live video stream.

- “Scrub” through the recorded video by holding down the left mouse button and moving up & down or right & left
- Or scrub using the “play head” control.
- Use the mouse wheel or the arrow keys for frame-by-frame precision.

Top



5mL Nectar (via teaspoon)/milk



Review the series using the Play / Pause button.
Or use the space bar to start and stop the playback.

Top

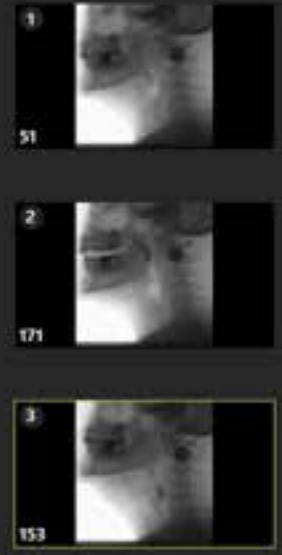
STUDY

SERIES

LIVE

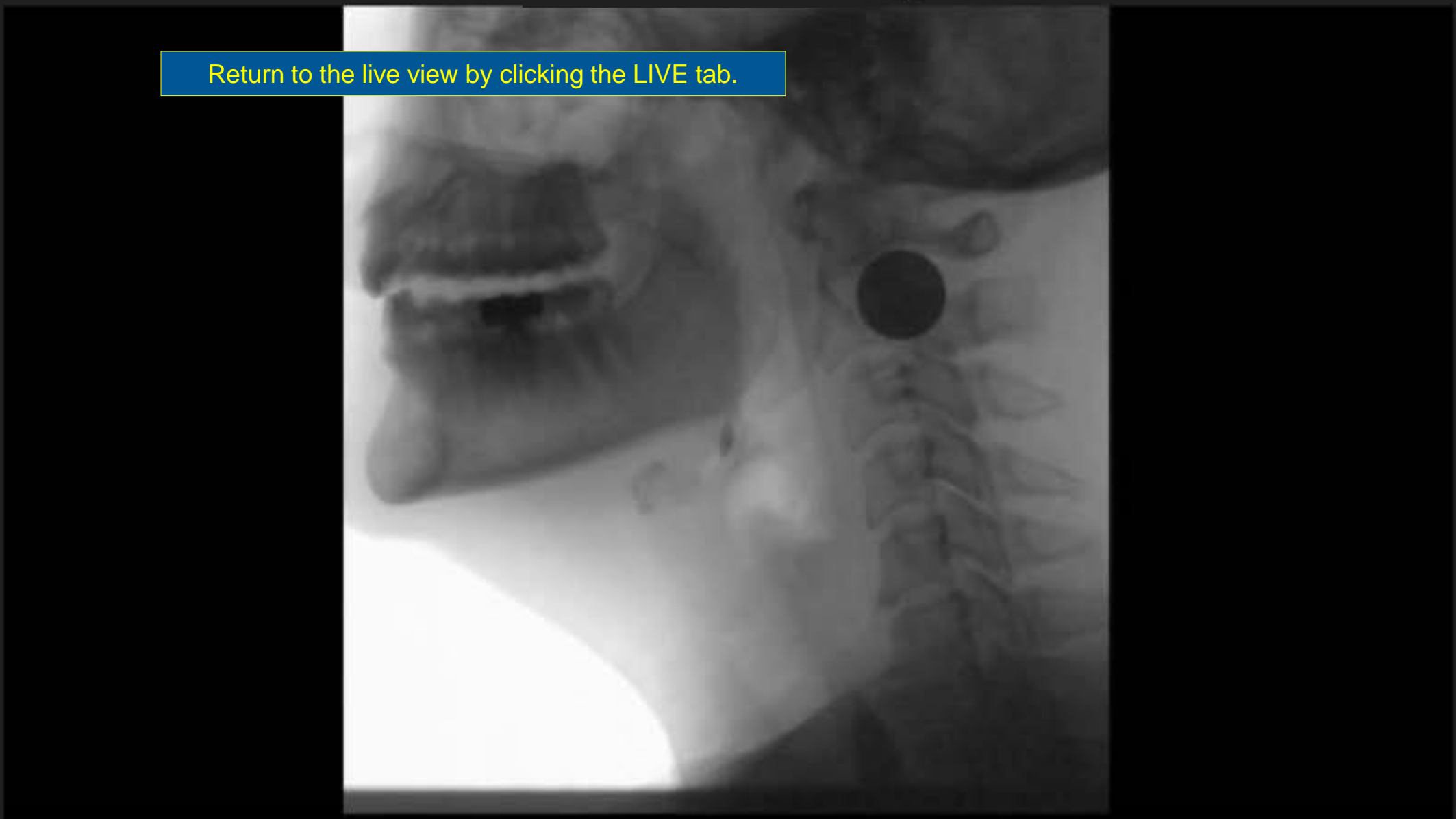
COMPARE

OPEN NEW INFO SEND SCORE



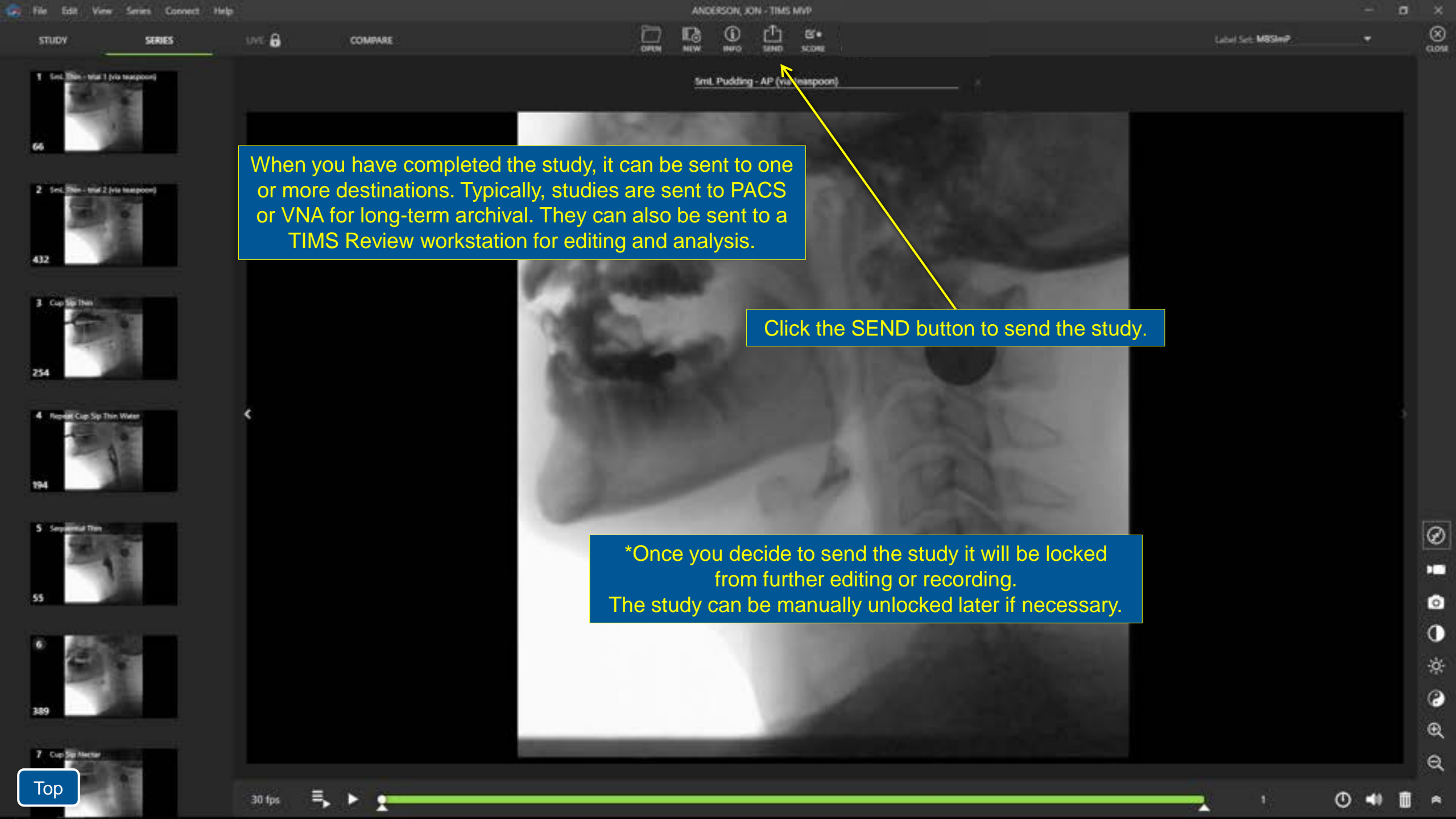
Cup Sip Thin/water

Return to the live view by clicking the LIVE tab.



Top

Sending a Study to PACS or TIMS Review

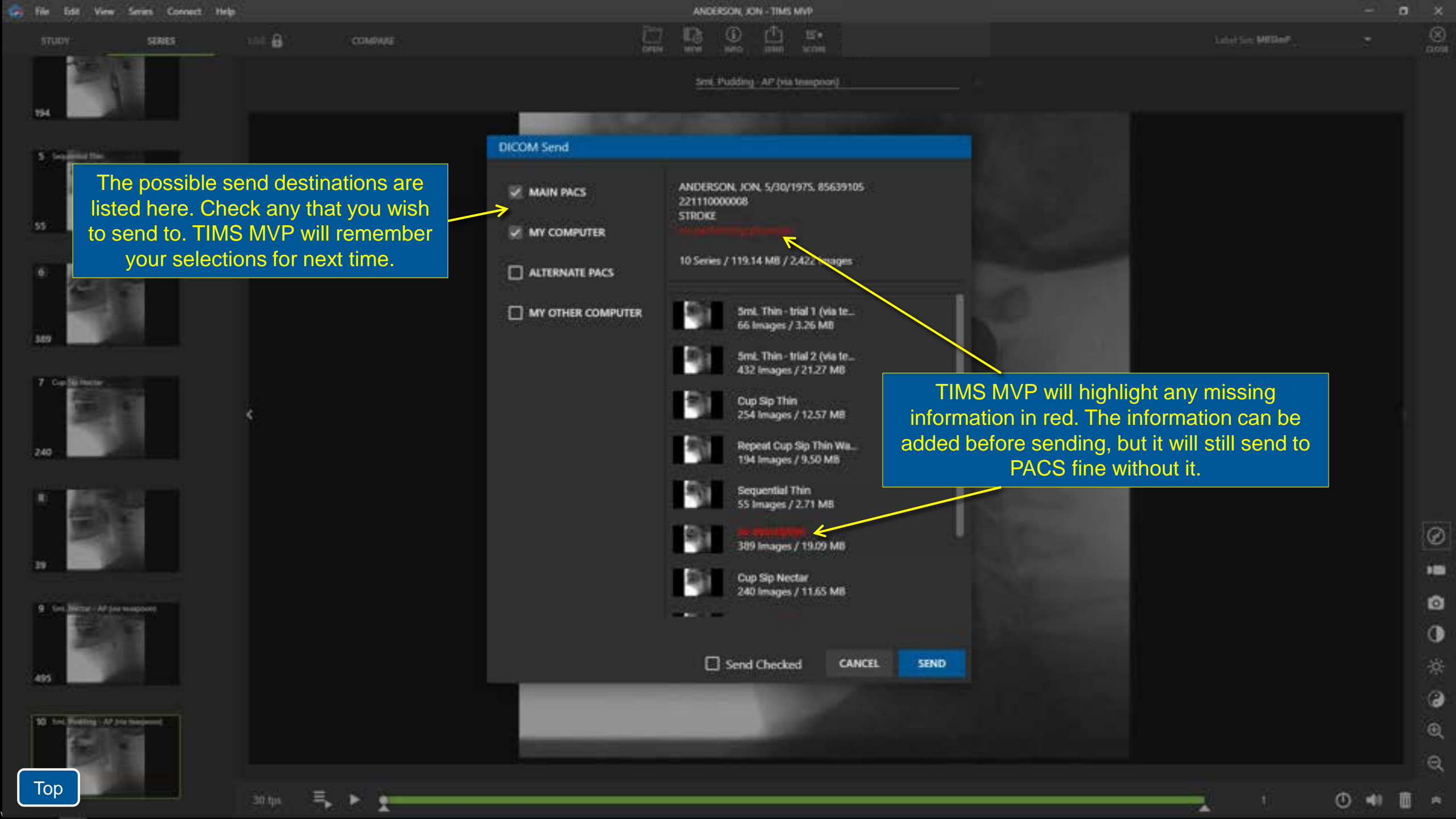


When you have completed the study, it can be sent to one or more destinations. Typically, studies are sent to PACS or VNA for long-term archival. They can also be sent to a TIMS Review workstation for editing and analysis.

Click the SEND button to send the study.

*Once you decide to send the study it will be locked from further editing or recording. The study can be manually unlocked later if necessary.

Top



The possible send destinations are listed here. Check any that you wish to send to. TIMS MVP will remember your selections for next time.

TIMS MVP will highlight any missing information in red. The information can be added before sending, but it will still send to PACS fine without it.

DICOM Send

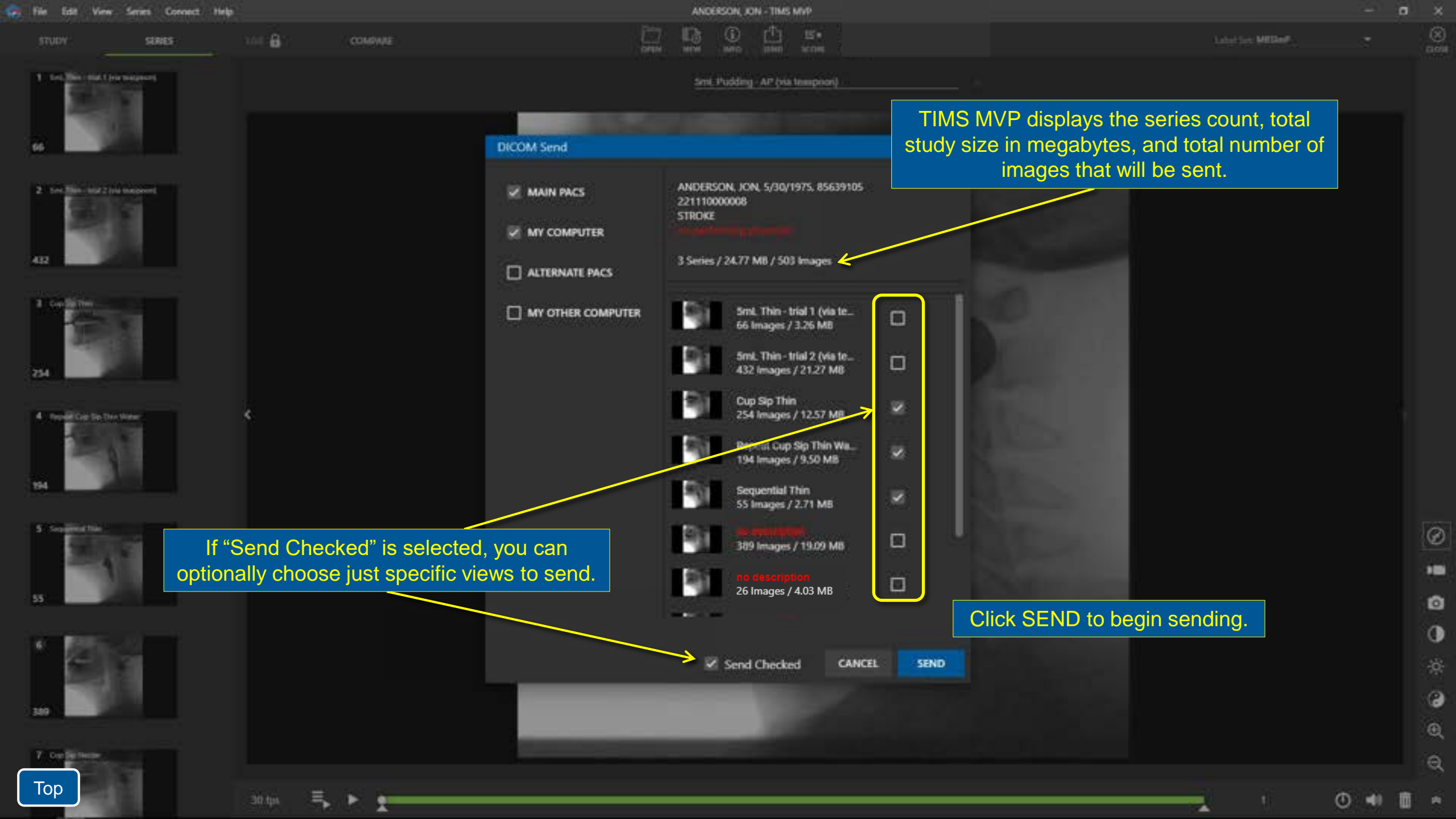
MAIN PACS
 MY COMPUTER
 ALTERNATE PACS
 MY OTHER COMPUTER

ANDERSON, JON, 5/30/1975, 85639105
221110000008
STROKE
no performing physician

10 Series / 119.14 MB / 2,422 Images

- 5ml. Thin - trial 1 (via te...
66 Images / 3.26 MB
- 5ml. Thin - trial 2 (via te...
432 Images / 21.27 MB
- Cup Sip Thin
254 Images / 12.57 MB
- Repeat Cup Sip Thin Wa...
194 Images / 9.50 MB
- Sequential Thin
55 Images / 2.71 MB
- no performing physician*
389 Images / 19.09 MB
- Cup Sip Nectar
240 Images / 11.65 MB

Send Checked CANCEL SEND



TIMS MVP displays the series count, total study size in megabytes, and total number of images that will be sent.

If "Send Checked" is selected, you can optionally choose just specific views to send.

Click SEND to begin sending.



5ml. Pudding - AP (via teaspoon)

After sending the study you can close it, unless you wish to review it further.
TIMS MVP will then return you to the Study Dashboard to prepare for your next patient!

Top



Study Dashboard

NEW BLANK STUDY... SEND Filter list CANCEL OPEN

STUDIES WORKLIST Study Count: 20 | 764.32 GB free

Send Status	Last	First	DOB	Keywords	Study Date	Patient ID	Hospital	Referring	Performing	Modality	Body Part	Accession #	Series	Size (MB)	Descrip
...	SILVA	BETH										211109000010	6	133	REDUCED M
		MARK										211109000012	0	0	SWALLOW 5
	SMITH	JOHN										211109000035	8	443	CHEST PAI
	PAPADOP...	NICHOLAS										211108000014	10	245	SWALLOW 5
	MURPHY	JANE										211108000018	6	324	
	White	James										211108000019	1	11	
	ANDERSON	JON	5/30/1975		11/5/2021	85639105		DR. ALBER...		NM	Heart	211105000008	0	0	STROKE
	White	James	4/7/1988	Cancer	11/5/2021	000092		DR. ALBER...		NM	Abdomen	211105000019	1	536	
	MURPHY	JANE	7/11/1979		11/5/2021	36788524		DR. ELIZA...		NM	Elbow	211105000018	15	152	
	ANDERSON	JON	5/30/1975	Stroke	11/4/2021	85639105		DR. ALBER...		NM	Heart	211104000008	1	2	STROKE
	SMITH	JOHN	5/9/1968		11/4/2021	49206293		DR. ALBER...		US	Chest	211104000035	10	61	CHEST PAI
	Sample	Patient	11/3/2021	Research	11/3/2021	1233434		DR. ALBER...		US		1223234	6	7	
	DEVI	ARVA	3/20/1973	Stroke	11/3/2021	53311737		DR. ELIZA...		NM	Clavicle	211103000011	10	180	LIMITED M
	ANDERSON	JON	5/30/1975		11/3/2021	85639105		DR. ALBER...		NM	Heart	211103000008	24	69	STROKE
	White	Robert	11/3/2021		11/3/2021	1234		DR. ELIZA...		NM	Heart	4321	11	30	
	testing	testing	11/3/2021	Cancer	11/3/2021	231				NM		231	7	14	
	Jane	Doe	10/21/2021		10/21/2021	45345		DR. ALBER...		NM	Clavicle	90909099	2	7	
	Patient	Sample	10/21/2021		10/21/2021	123445		DR. ELIZA...		NM		2345	6	23	
	student	test	1/1/1979	Cancer	10/20/2021	1				NM	Elbow	1	6	266	
	Charles	Brown	10/14/2021		10/14/2021	21131		DR. ELIZA...		NM		13123123	12	232	





















To monitor the send status of a study, first switch to the STUDIES list by clicking on its tab.

The 3 green dots in the Send Status column means the send is in progress.

Study Dashboard

NEW BLANK STUDY... SEND Filter list CANCEL OPEN

Study Count: 20 | 762.90 GB free

STUDIES	WORKLIST	First	DOB	Keywords	Study Date	Patient ID	Hospital	Referring	Performing	Modality	Body Part	Accession #	Series	Size (MB)	Descr
	SILVA	BETH	8/22/1934	Cancer	11/9/2021	57831680		DR. FREDE...		NM	Hip	211109000010	6	133	REDUCED M...
	MA...														SWALLOW 5
	SMITH	JOH...													CHEST PAIN
	PAPADO...	NI...													SWALLOW 5
	MURPHY	JAN...													
	White	James	4/7/1988		11/8/2021	000092		DR. ALBER...		NM	Abdomen	211108000019	1	11	
	ANDERSON	JON	5/30/1975		11/5/2021	85639105		DR. ALBER...		NM	Heart	211105000008	0	0	STROKE
	White	James	4/7/1988	Cancer	11/5/2021	000092		DR. ALBER...		NM	Abdomen	211105000019	1	536	
	MURPHY	JAN...											15	152	
	ANDERSON	JON											1	2	STROKE
	SMITH	JOHN	5/9/1968		11/4/2021	49206293		DR. ALBER...		US	Chest	211104000035	10	61	CHEST PAIN
	Sample	Patient	11/3/2021	Research	11/3/2021	1233434		DR. ALBER...		US		1223234	6	7	
	DEVI	ARVA	3/20/1973	Stroke	11/3/2021	53311737		DR. ELIZA...		NM	Clavicle	211103000011	10	180	LIMITED M...
	ANDERSON	JON	5/30/1975		11/3/2021	85639105		DR. ALBER...		NM	Heart	211103000008	24	69	STROKE
	White	Robert	11/3/2021		11/3/2021	1234		DR. ELIZA...		NM	Heart	4321	11	30	
	testing	testing	11/3/2021	Cancer	11/3/2021	231				NM		231	7	14	
	Jane	Doe	10/21/2021		10/21/2021	45345		DR. ALBER...		NM	Clavicle	90909099	2	7	
	Patient	Sample	10/21/2021		10/21/2021	123445		DR. ELIZA...		NM		2345	6	23	
	student	test	1/1/1979	Cancer	10/20/2021	1				NM	Elbow	1	6	266	
	Charles	Brown	10/14/2021		10/14/2021	21131		DR. ELIZA...		NM		13123123	12	232	

When the study has been successfully sent, the dots will change to a green "up" arrow. TMS MVP can now be powered off. It's important to not power down the computer before the indicator is verified.

You do not need to wait for a study to be sent before starting another study. TMS MVP can do both at the same time!

Study Dashboard

NEW BLANK STUDY... SEND... Filter list CANCEL OPEN

STUDIES WORKLIST

Study Count: 20 | 762.99 GB free

Last	First	DOB	Series	Size (MB)	Descrip							
SILVA	BETH	8/22/19	6	133	REDUCED M							
ROSSI	MARK	5/20/19	7	11	SWALLOW 5							
SMITH	JOHN	5/9/19	8	443	CHEST PAI							
PARADOP...	NICHOLAS	1/10/19	10	245	SWALLOW 5							
MURPHY	JANE	7/11/19	6	324								
White	James	4/7/1988	11/8/2021	000092	DR. ALBER...	NM	Abdomen	211108000019	1	11		
ANDERSON	JON	5/30/1975	11/5/2021	85639105	DR. ALBER...	NM	Heart	211105000008	0	0	STROKE	
White	James	4/7/1988	Cancer	11/5/2021	000092	DR. ALBER...	NM	Abdomen	211105000019	1	536	
MURPHY	JANE	7/11/1979	11/5/2021	36788524	DR. ELIZA...	NM	Elbow	211105000018	15	152		
ANDERSON	JON	5/30/1975	Stroke	11/4/2021	85639105	DR. ALBER...	NM	Heart	211104000008	1	2	STROKE
SMITH	JOHN	5/9/1968	11/4/2021	49206293	DR. ALBER...	US	Chest	211104000035	10	61	CHEST PAI	
Sample	Patient	11/3/2021	Research	11/3/2021	1223434	DR. ALBER...	US		6	7		
DEVI	ARVA	3/20/1973								180	LIMITED M	
ANDERSON	JON	5/30/1975								69	STROKE	
White	Robert	11/3/2021	11/3/2021	1234	DR. ELIZA...	NM	Heart	4321	11	30		
testing	testing	11/3/2021	Cancer	11/3/2021	231	NM		231	7	14		
Jane	Doe	10/21/2021		10/21/2021	45345	DR. ALBER...	NM	Clavicle	90909099	2	7	
Patient	Sample	10/21/2021		10/21/2021	123445	DR. ELIZA...	NM		2345	6	23	
student	test	1/1/1979	Cancer	10/20/2021	1	NM	Elbow	1	6	266		
Charles	Brown	10/14/2021		10/14/2021	21131	DR. ELIZA...	NM		13123123	12	232	

If the Send Status is a red up arrow, the study was not successfully sent to ANY destination.

If the Send Status is a yellow up arrow, the study failed to send to at least one of your send destinations.

If there was an error sending to a destination, more specific information is available. We'll cover that next...



Study Dashboard

NEW BLANK STUDY... SEND... Filter list CANCEL OPEN

STUDIES WORKLIST Study Count: 20 | 762.99 GB free

Last	First	DOB	Keywords	Study Date	Patient ID	Hospital	Referring	Performing	Modality	Body Part	Accession #	Series	Size (MB)	Descrip
SILVA	BETH	8/22/1934	Cancer	11/9/2021	57831680		DR. FREDE...		NM	Hip	211109000010	6	133	REDUCED M
ROSSI	MARK	5/20/1954		11/9/2021	90363183		DR. HOWE...		NM	Heart	211109000012	7	11	SWALLOW 1
Sh	New Blank Study... Ctrl+N			1021	49206293		DR. ALBER...		NM	Chest	211109000035	8	443	CHEST PAIN
PA	New Study Based On...			1021	82599416		DR. WEND...		NM	Head	211108000014	10	245	SWALLOW 5
Mi	Open... Ctrl+O			1021	36788524				NM	Elbow	211108000018	6	324	
Wl	Export...			1021	000092		DR. ALBER...		NM	Abdomen	211108000019	1	11	
AA	Send Status...			1021	85639105		DR. ALBER...		NM	Heart	211105000008	0	0	STROKE
Wl	Delete			1021	000092		DR. ALBER...		NM	Abdomen	211105000019	1	536	
MURPHY	JANE	7/1/1979		11/5/2021	36788524		DR. ELIZA...		NM	Elbow	211105000018	15	152	
ANDERSON	JON	5/30/1975										1	2	STROKE
SMITH	JOHN	5/9/1968										10	61	CHEST PAIN
Sample	Patient	11/3/2021										6	7	
DEVI	ARVA	3/20/1973	Stroke	11/3/2021	53311737		DR. ELIZA...		NM	Clavicle	211103000011	10	180	LIMITED M
ANDERSON	JON	5/30/1975		11/3/2021	85639105		DR. ALBER...		NM	Heart	211103000008	24	69	STROKE
White	Robert	11/3/2021		11/3/2021	1234		DR. ELIZA...		NM	Heart	4321	11	30	
testing	testing	11/3/2021	Cancer	11/3/2021	231				NM		231	7	14	
Jane	Doe	10/21/2021		10/21/2021	45345		DR. ALBER...		NM	Clavicle	90909099	2	7	
Patient	Sample	10/21/2021		10/21/2021	123445		DR. ELIZA...		NM		2345	6	23	
student	test	1/1/1979	Cancer	10/20/2021	1				NM	Elbow	1	6	266	
Charles	Brown	10/14/2021		10/14/2021	21131		DR. ELIZA...		NM		13123123	12	232	

“Right click” on a study and select “Send Status...” to get detailed send status information.

Study Dashboard

NEW BLANK STUDY... SEND... Title list CANCEL OPEN

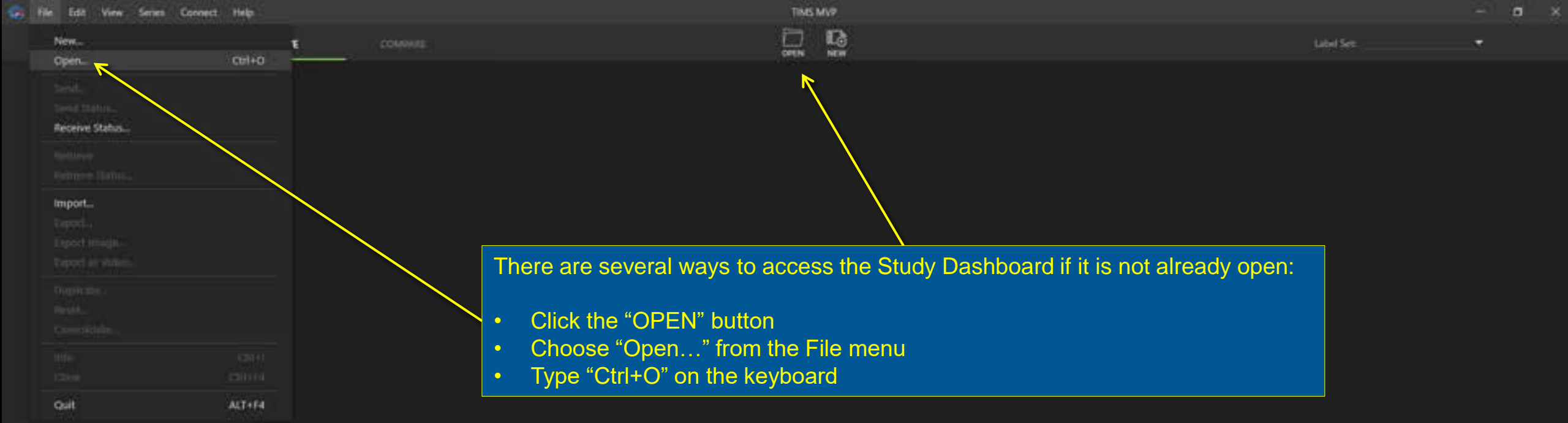
STUDIES WORKLIST Study Count: 20 | 762.99 GB free

La	Status	Updated	Operator	Send Server	Commit Server	Opp ID	Descri		
SILVA							REDUCED M		
REGSI		11/9/2021, 1:52:48 PM	TIMS	PACS		192	SWALLOW 1		
SMITH		11/9/2021, 1:53:18 PM	TIMS	TIMS Review 1		193	CHEST PAIN		
PAPAC		- ConnectionError - Unable to connect to remote SCP						SWALLOW 5	
MURP									
White									
ANDE							STROKE		
White									
MURP							STROKE		
ANDE							CHEST PAIN		
SMITH									
Sampl							LIMITED M		
DEVI							STROKE		
ANDE									
White									
testinc									
Jane									
Patient	Sample	10/21/2021	10/21/2021 12:44:5	DR. ELIZA...	NM	2345	6	23	
student	test	1/1/1979 Cancer	10/20/2021 1		NM	Elbow	1	6	266
Charles	Brown	10/14/2021	10/14/2021 21:13:1	DR. ELIZA...	NM	13123123	12	232	

CLEAR ERRORS CLOSE

In this example the study was successfully sent to "Main PACS" but failed to send to "TIMS Review 1". The primary error is listed at the bottom. This information is useful to someone troubleshooting a potential problem. Before performing additional send attempts, it is recommended to clear errors first.

Editing a Study



Study Dashboard

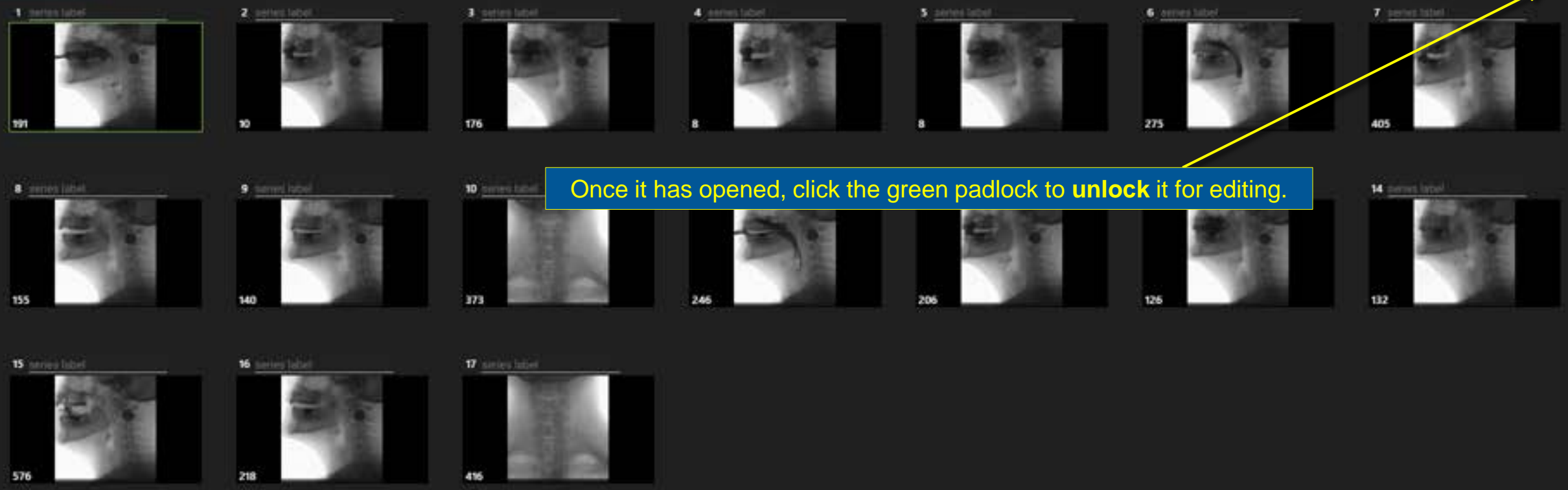
NEW BLANK STUDY... SEND... CANCEL OPEN

STUDIES WORKLIST Study Count: 3 | 73% GB free

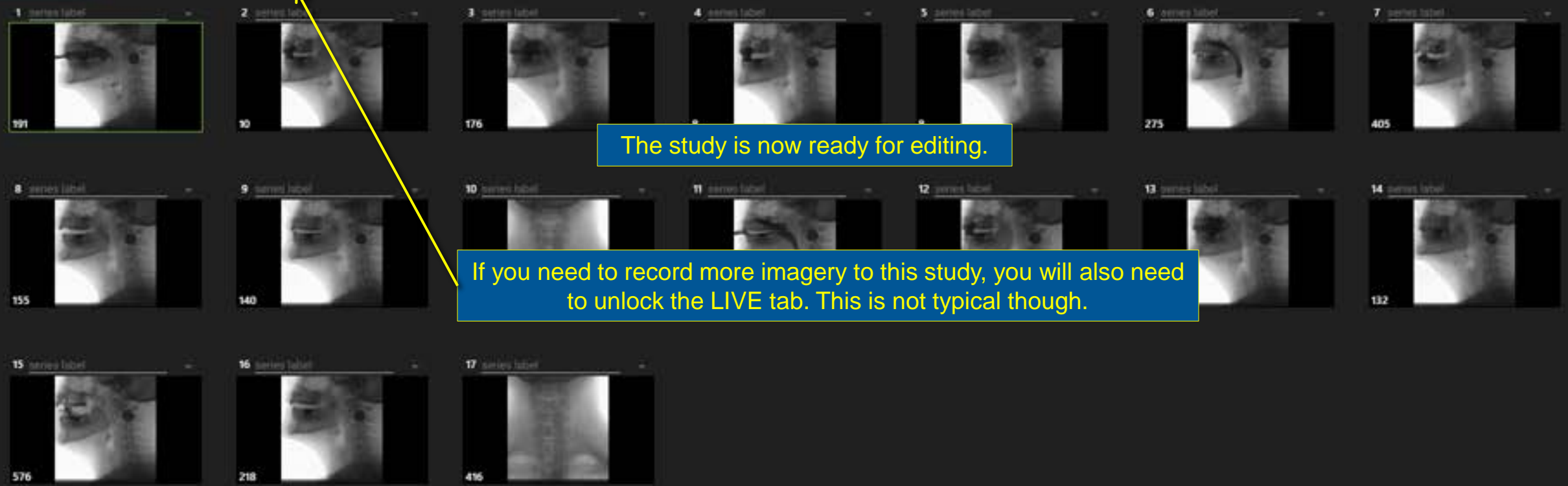
Patient ID	Last	First	DOB	Accession #	Series	Study Date	Size (MB)	Modality	Performing	Referring	Body Part	Description	Keywords
82599416	PARADOP...	NICHOLAS	1/10/1959	221209000014	14	12/9/2022	135	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	1/10/1959	221206000014	4	12/6/2022	29	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	1/10/1959	221128000014	8	11/29/2022	184	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer

Select your patient from the STUDIES list. Then either “double click”, press “Enter” on the keyboard, or click the “OPEN...” button.

As with the Worklist, you can use the “Filter List” option to quickly find your patient.



Once it has opened, click the green padlock to **unlock** it for editing.



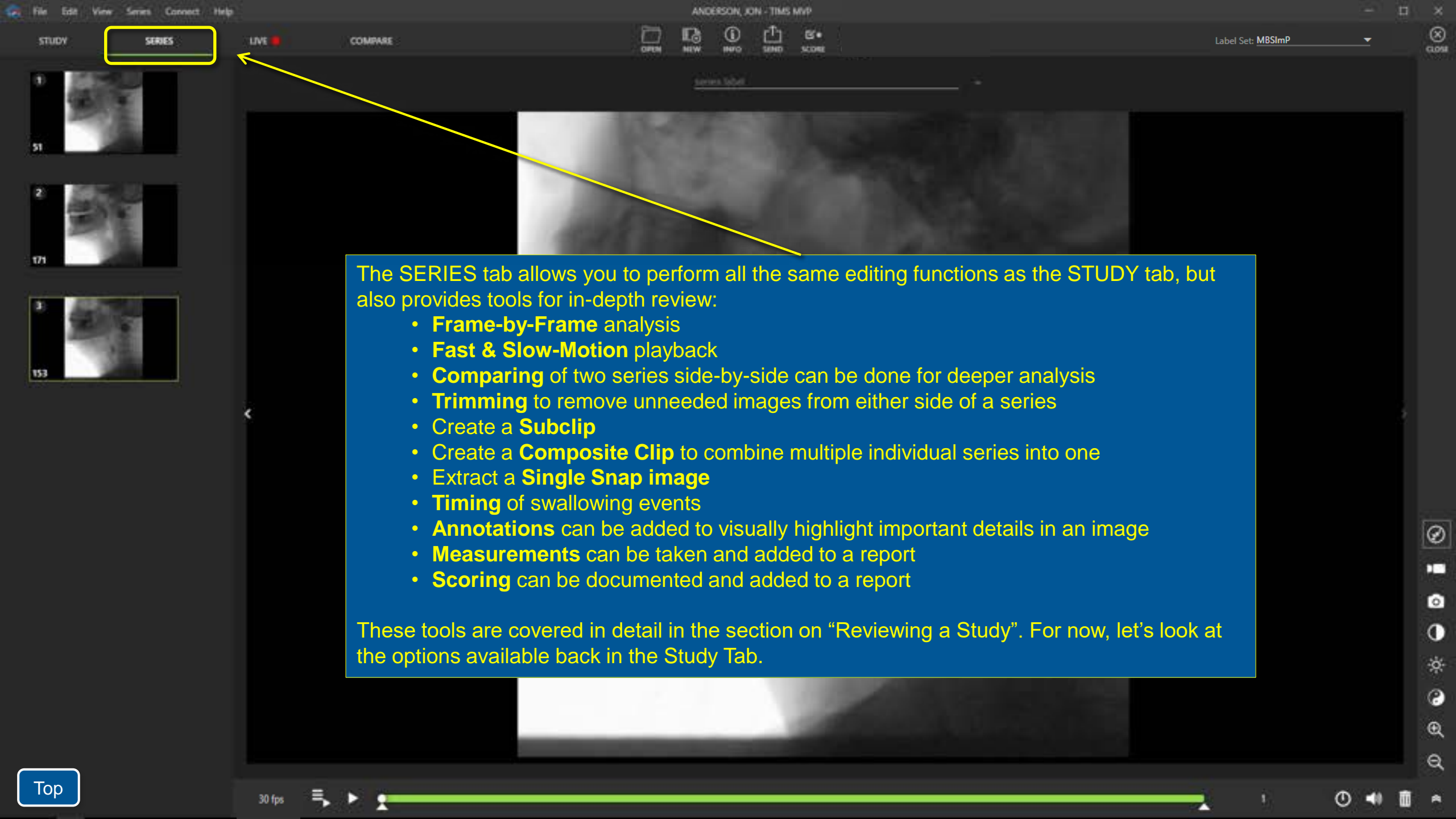
The study is now ready for editing.

If you need to record more imagery to this study, you will also need to unlock the LIVE tab. This is not typical though.

When you open a study, you will be in the STUDY tab, which is indicated by the green underline.

The STUDY tab provides a good overview of all the series in your study. You can also:

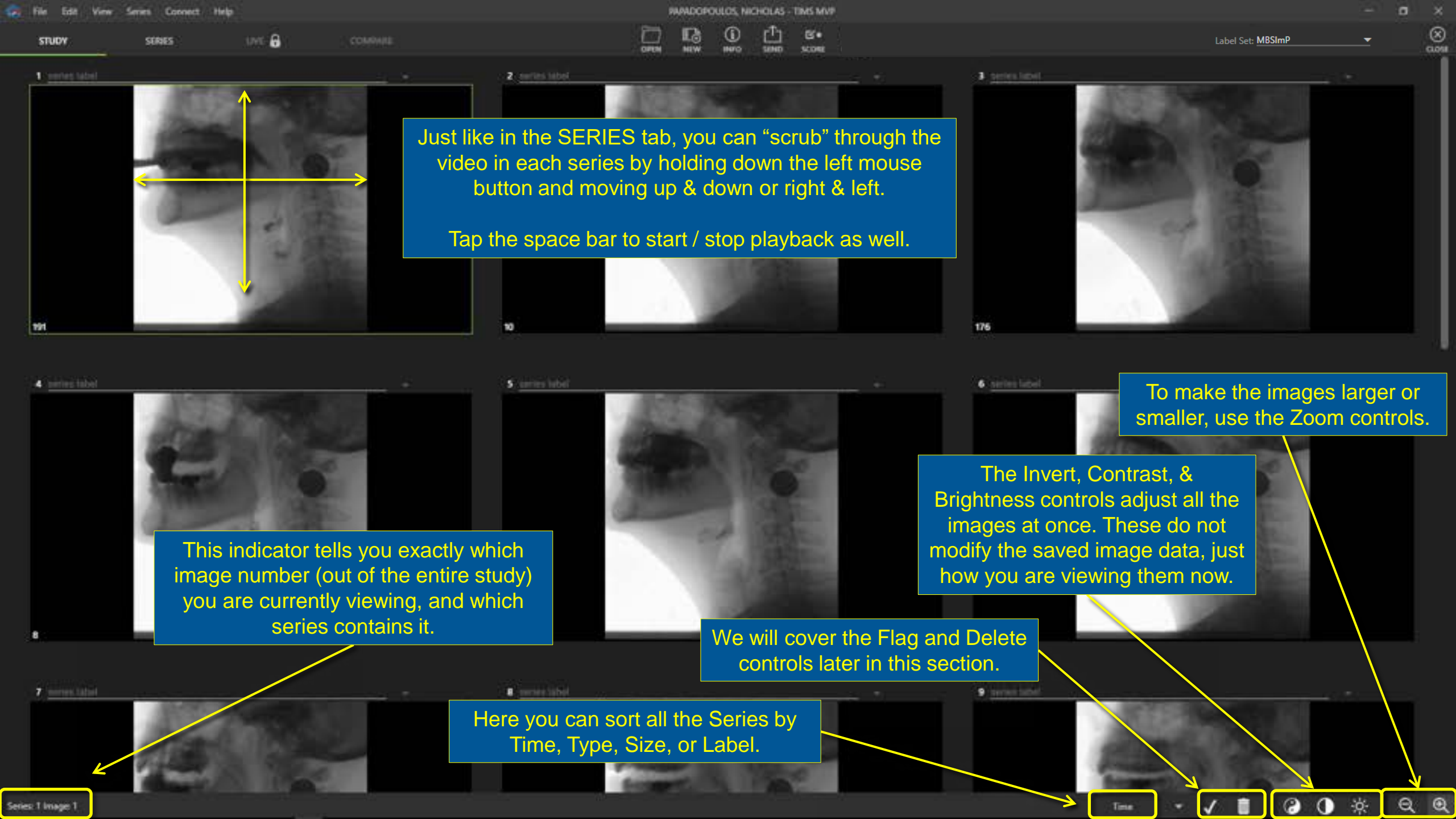
- **Scrub** through each series to play the video
- **Zoom** into an area of interest
- **Invert** images
- Make **Contrast & Brightness** adjustments
- **Label** each series
- **Delete** unwanted series
- **Combine** multiple nearby series into one
- **Split** a series into two series
- **Flag** one or more series to be sent to another destination
- **Modify Study Info** if something needs to be changed



The SERIES tab allows you to perform all the same editing functions as the STUDY tab, but also provides tools for in-depth review:

- **Frame-by-Frame** analysis
- **Fast & Slow-Motion** playback
- **Comparing** of two series side-by-side can be done for deeper analysis
- **Trimming** to remove unneeded images from either side of a series
- Create a **Subclip**
- Create a **Composite Clip** to combine multiple individual series into one
- Extract a **Single Snap image**
- **Timing** of swallowing events
- **Annotations** can be added to visually highlight important details in an image
- **Measurements** can be taken and added to a report
- **Scoring** can be documented and added to a report

These tools are covered in detail in the section on “Reviewing a Study”. For now, let’s look at the options available back in the Study Tab.



Just like in the SERIES tab, you can “scrub” through the video in each series by holding down the left mouse button and moving up & down or right & left.
Tap the space bar to start / stop playback as well.

To make the images larger or smaller, use the Zoom controls.

The Invert, Contrast, & Brightness controls adjust all the images at once. These do not modify the saved image data, just how you are viewing them now.

This indicator tells you exactly which image number (out of the entire study) you are currently viewing, and which series contains it.

We will cover the Flag and Delete controls later in this section.

Here you can sort all the Series by Time, Type, Size, or Label.

Series: T Image: 1

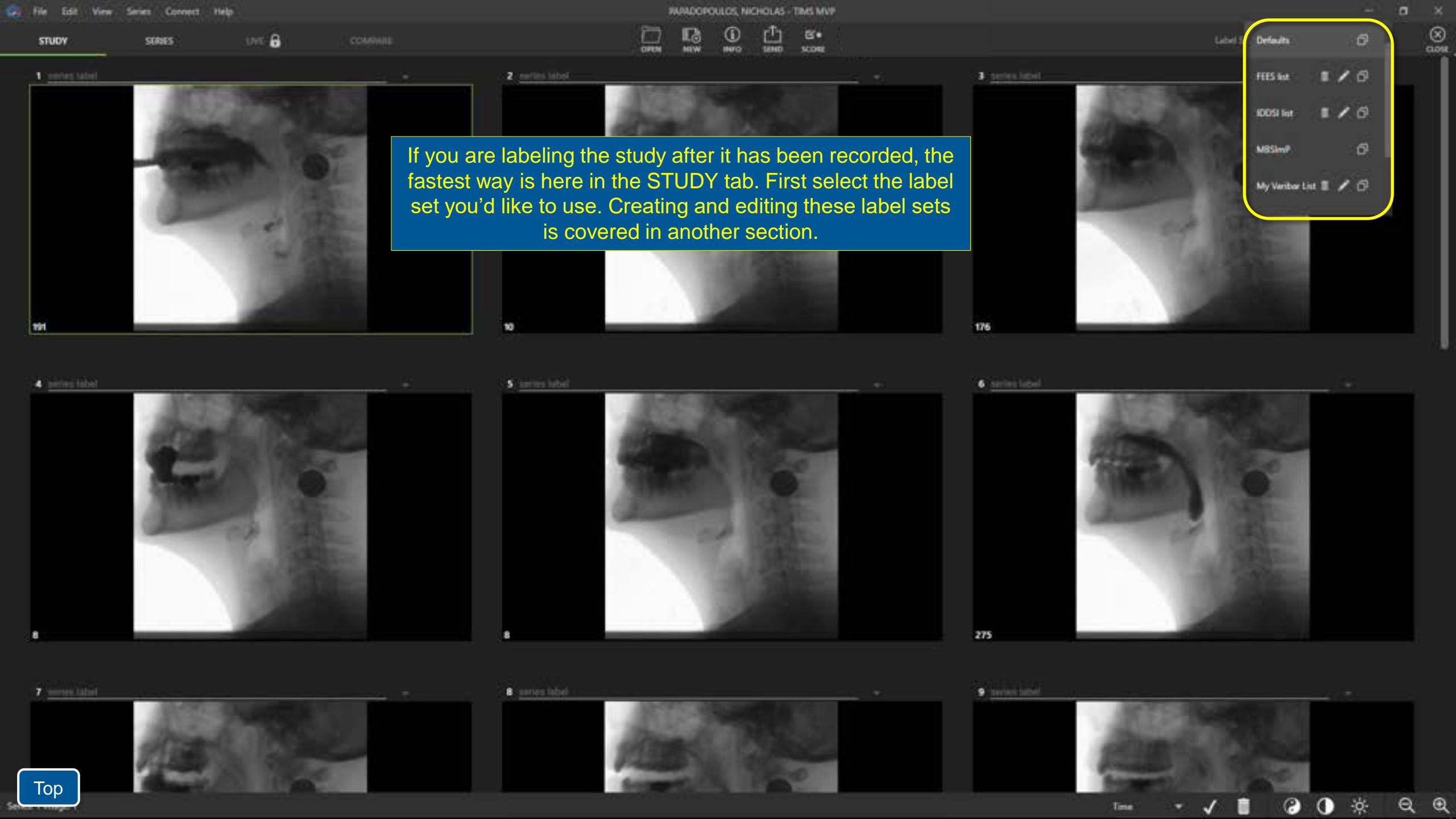
Time

✓

🔄

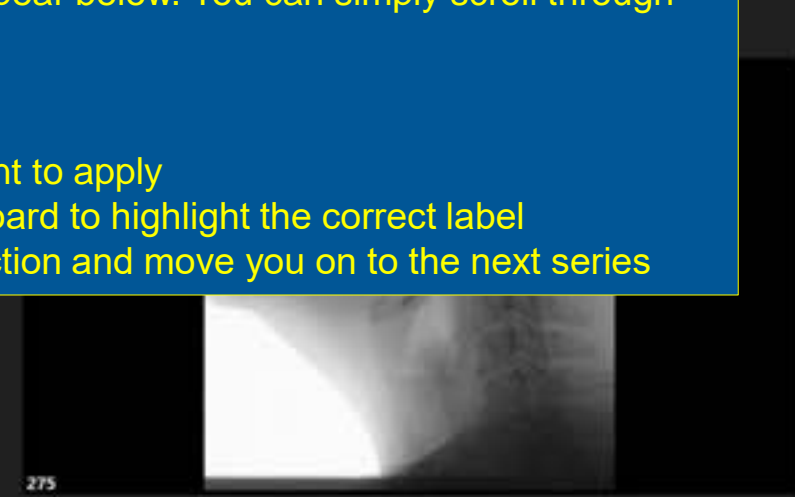
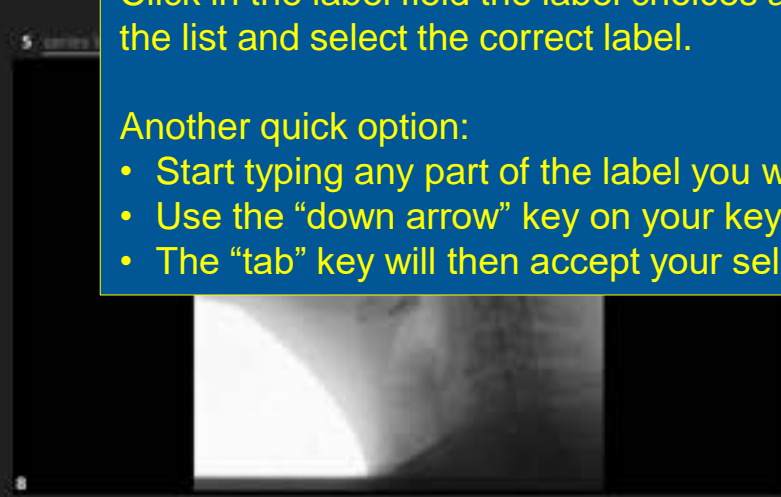
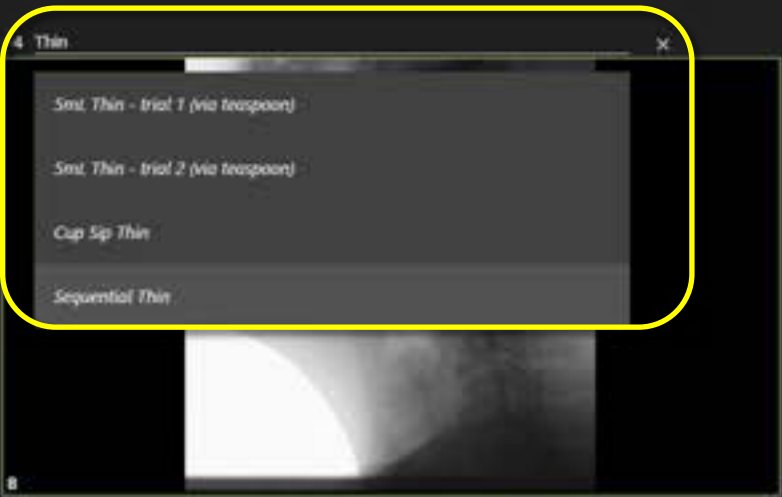
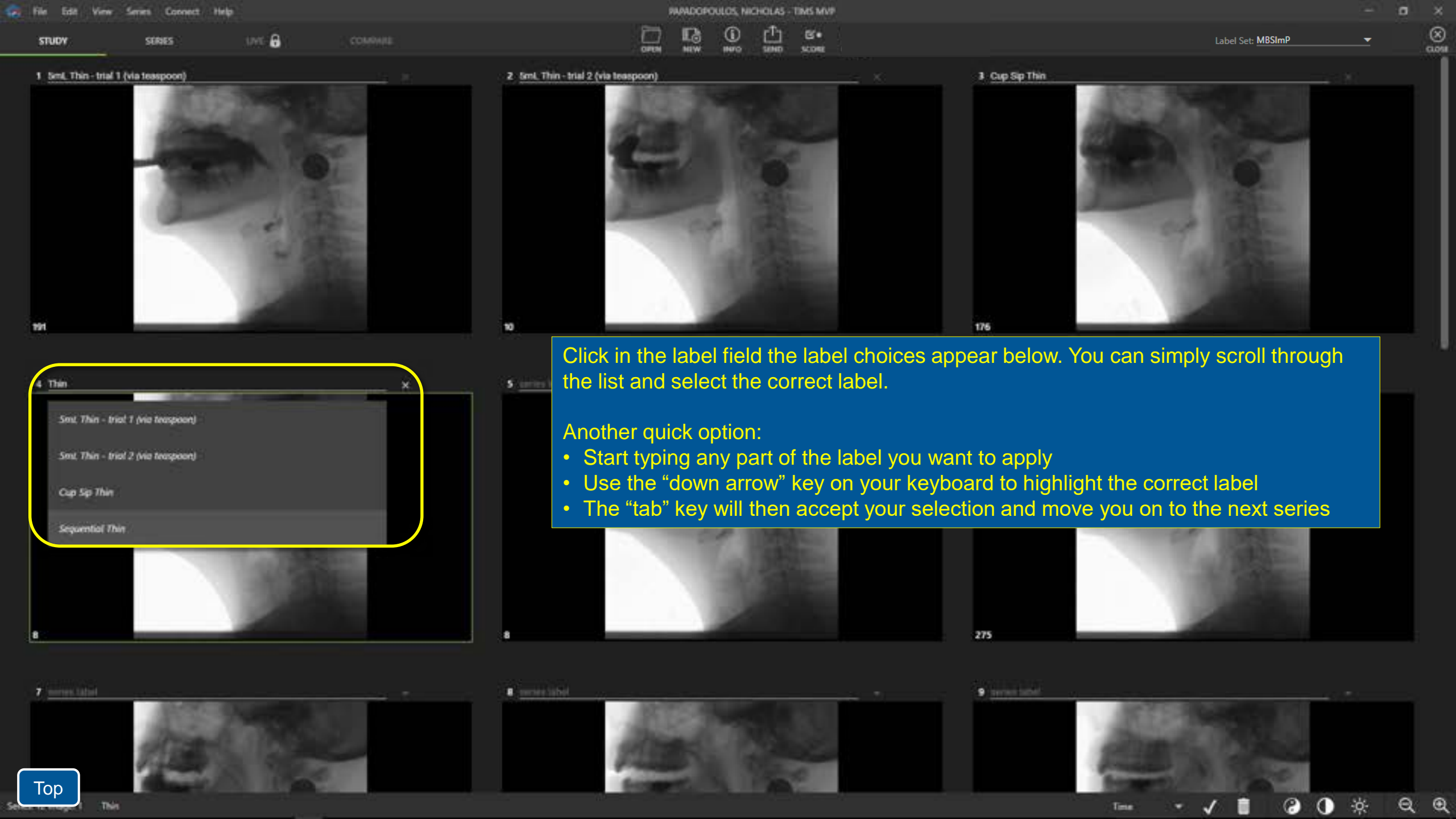
☀️

🔍



If you are labeling the study after it has been recorded, the fastest way is here in the STUDY tab. First select the label set you'd like to use. Creating and editing these label sets is covered in another section.

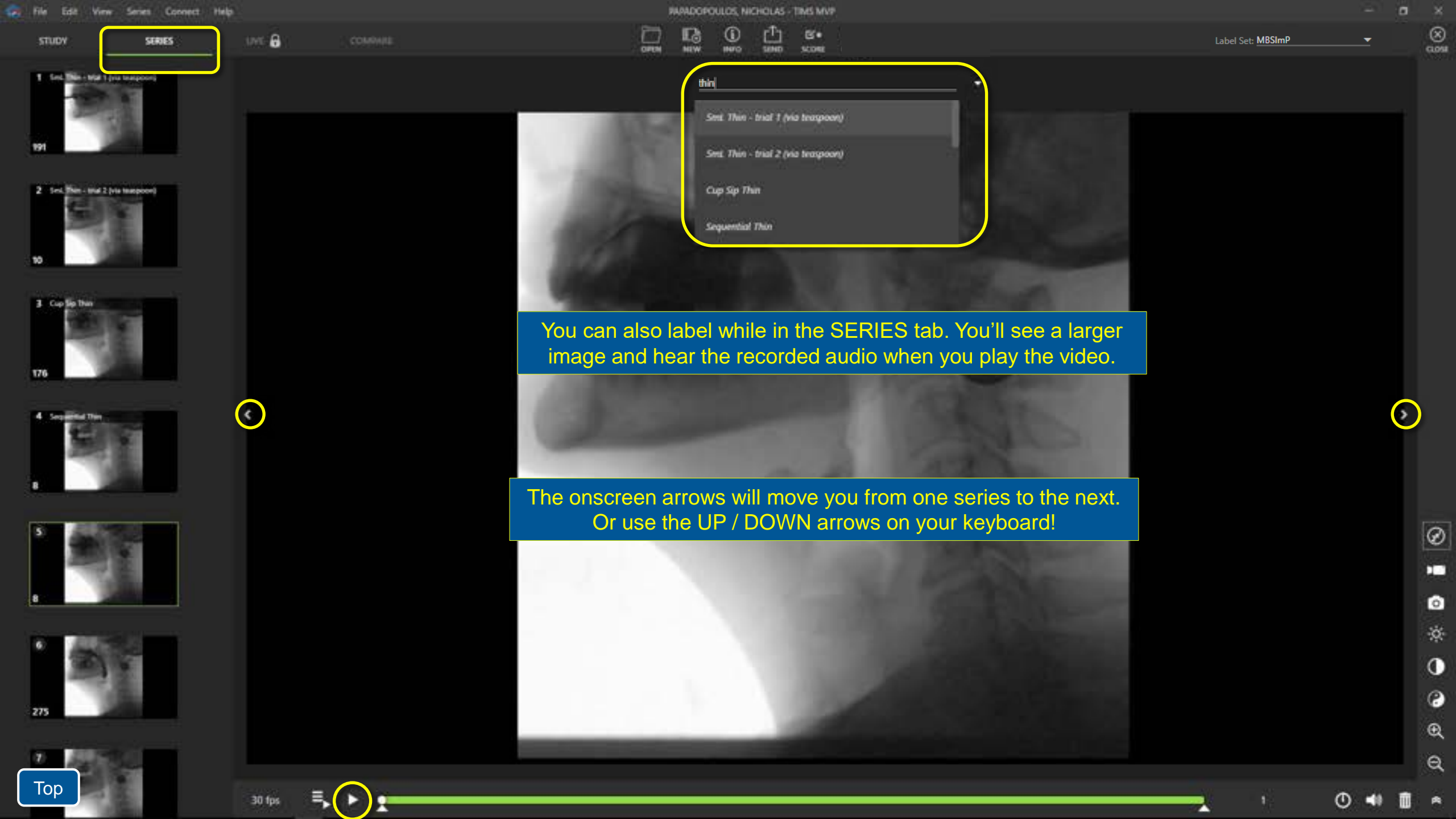
- Defaults
- FEES list
- IDOSI list
- MRSImP
- My Varibar List



Click in the label field the label choices appear below. You can simply scroll through the list and select the correct label.

Another quick option:

- Start typing any part of the label you want to apply
- Use the "down arrow" key on your keyboard to highlight the correct label
- The "tab" key will then accept your selection and move you on to the next series



SERIES

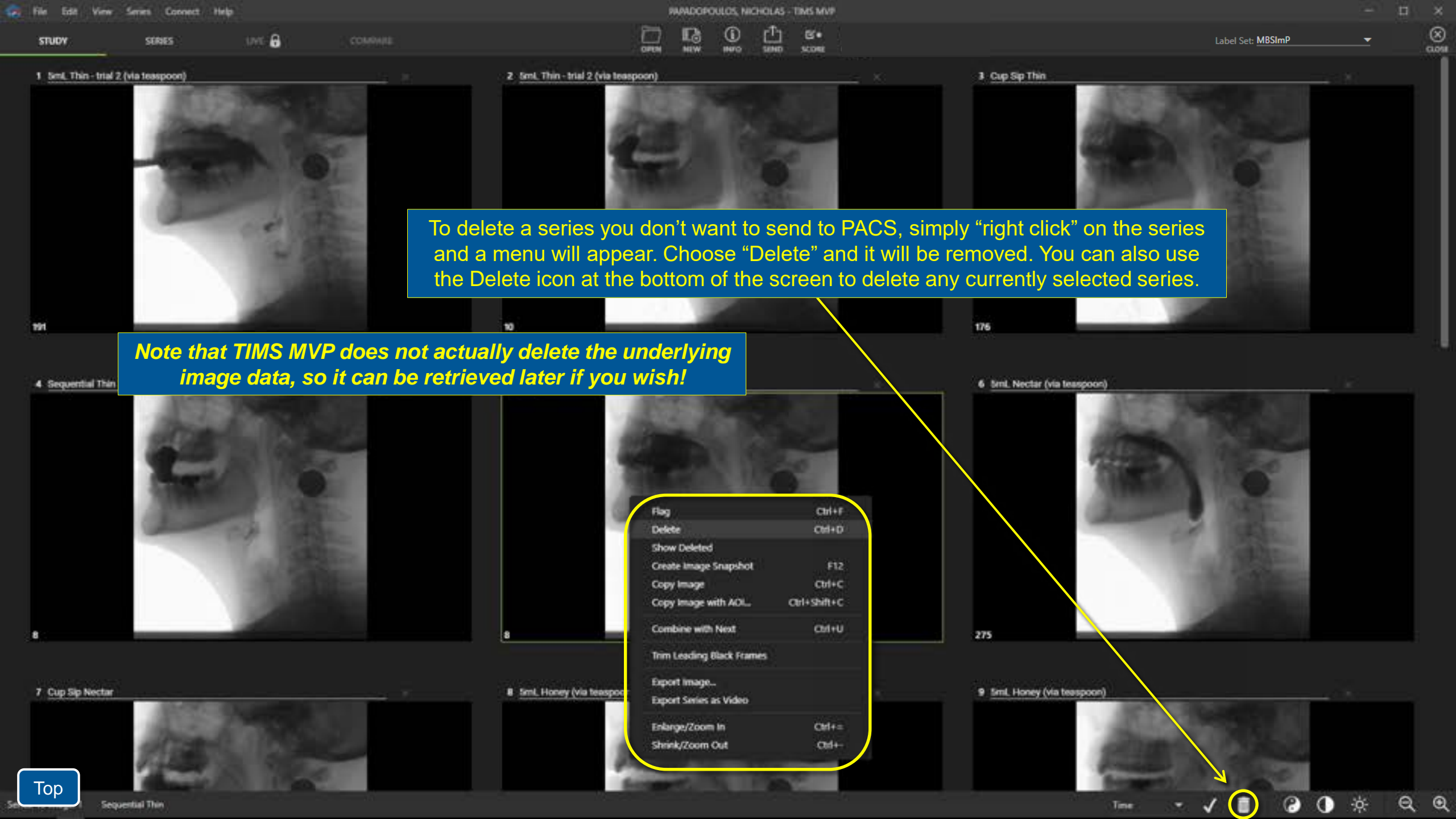
thin

- Seq. Thin - trial 1 (via teaspoon)
- Seq. Thin - trial 2 (via teaspoon)
- Cup Sip Thin
- Sequential Thin

You can also label while in the SERIES tab. You'll see a larger image and hear the recorded audio when you play the video.

The onscreen arrows will move you from one series to the next. Or use the UP / DOWN arrows on your keyboard!

Top



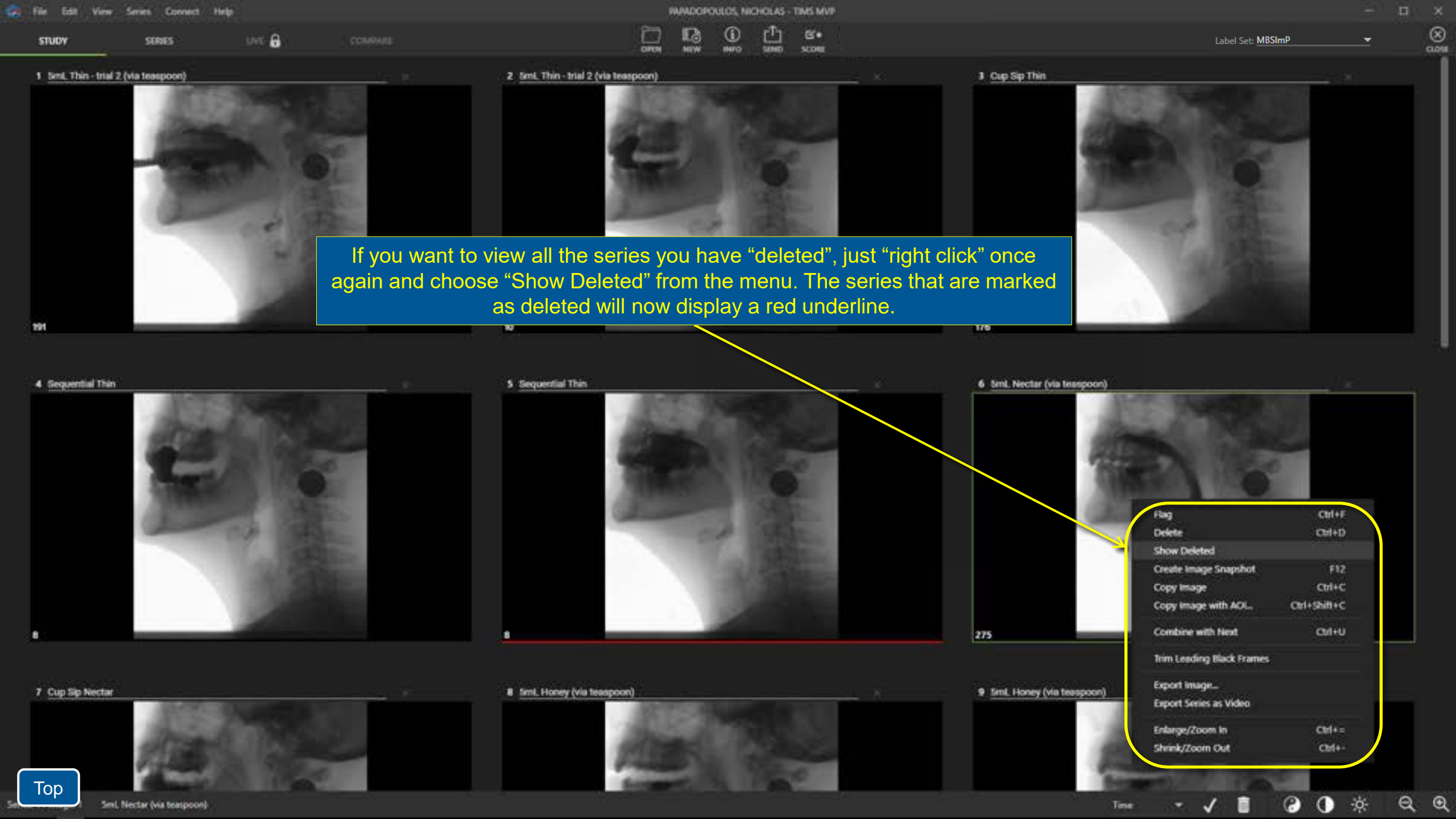
To delete a series you don't want to send to PACS, simply "right click" on the series and a menu will appear. Choose "Delete" and it will be removed. You can also use the Delete icon at the bottom of the screen to delete any currently selected series.

Note that TIMS MVP does not actually delete the underlying image data, so it can be retrieved later if you wish!

- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOI... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-

Top



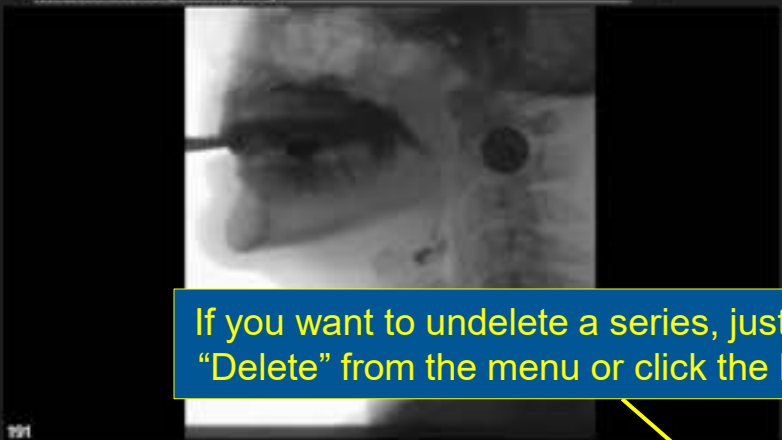


If you want to view all the series you have "deleted", just "right click" once again and choose "Show Deleted" from the menu. The series that are marked as deleted will now display a red underline.

- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOL... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-

Top

1 SmL Thin - trial 2 (via teaspoon)



2 SmL Thin - trial 2 (via teaspoon)



3 Cup Sip Thin

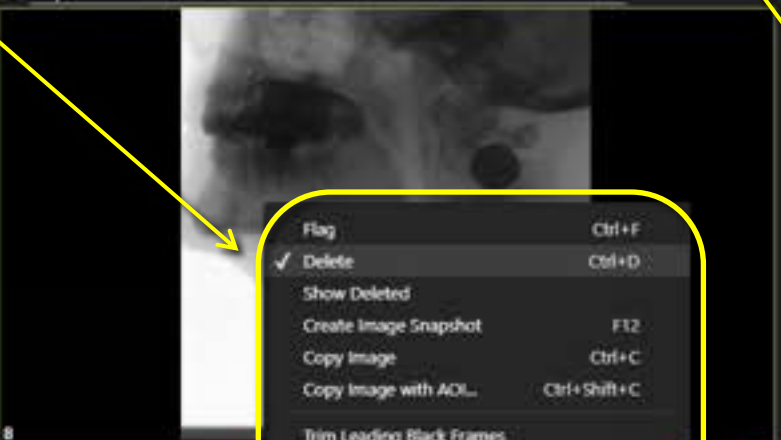


If you want to undelete a series, just "right click" on that series and uncheck "Delete" from the menu or click the Delete icon at the bottom of the screen.

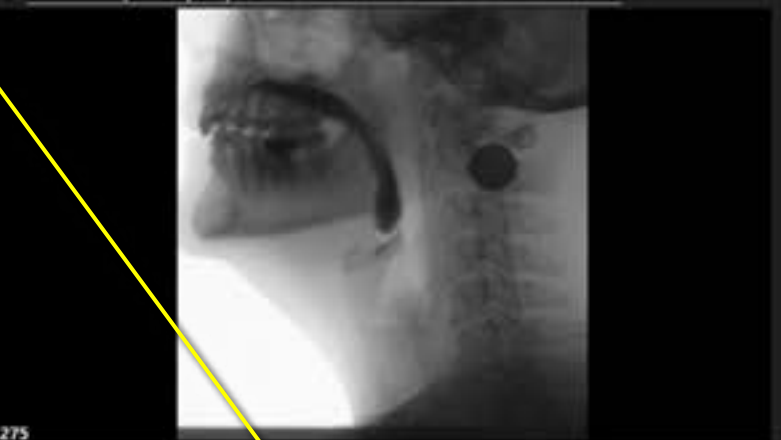
4 Sequential Thin



5 Sequential Thin



6 SmL Nectar (via teaspoon)

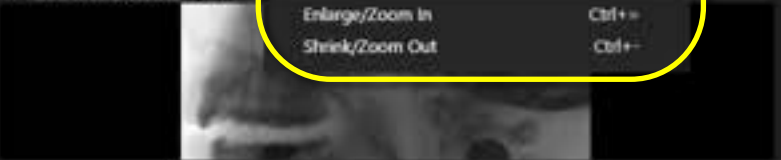


- Flag Ctrl+F
- ✓ Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOI... Ctrl+Shift+C
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-

7 Cup Sip Nectar

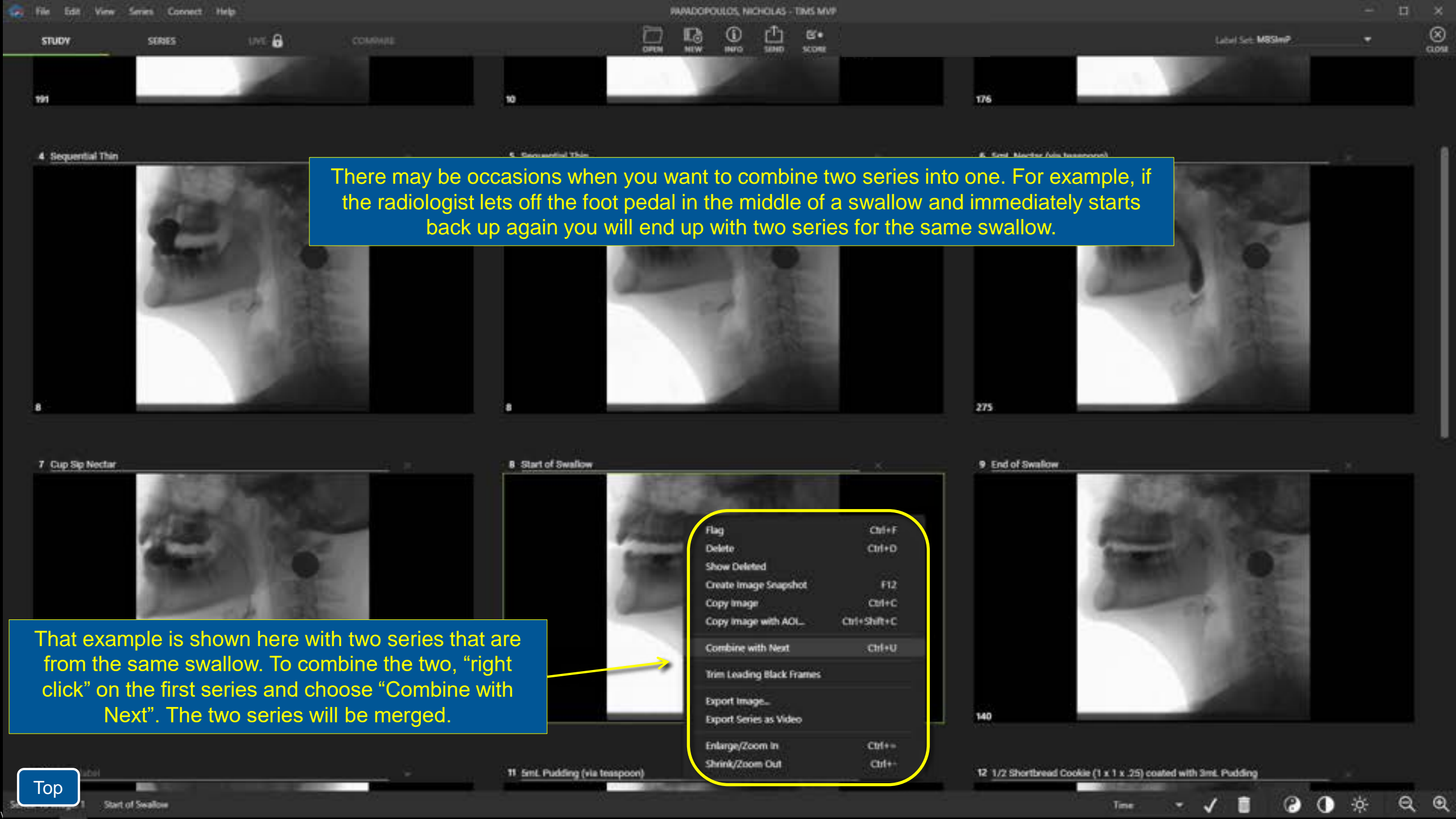


8 SmL Honey (via teaspoon)



9 SmL Honey (via teaspoon)



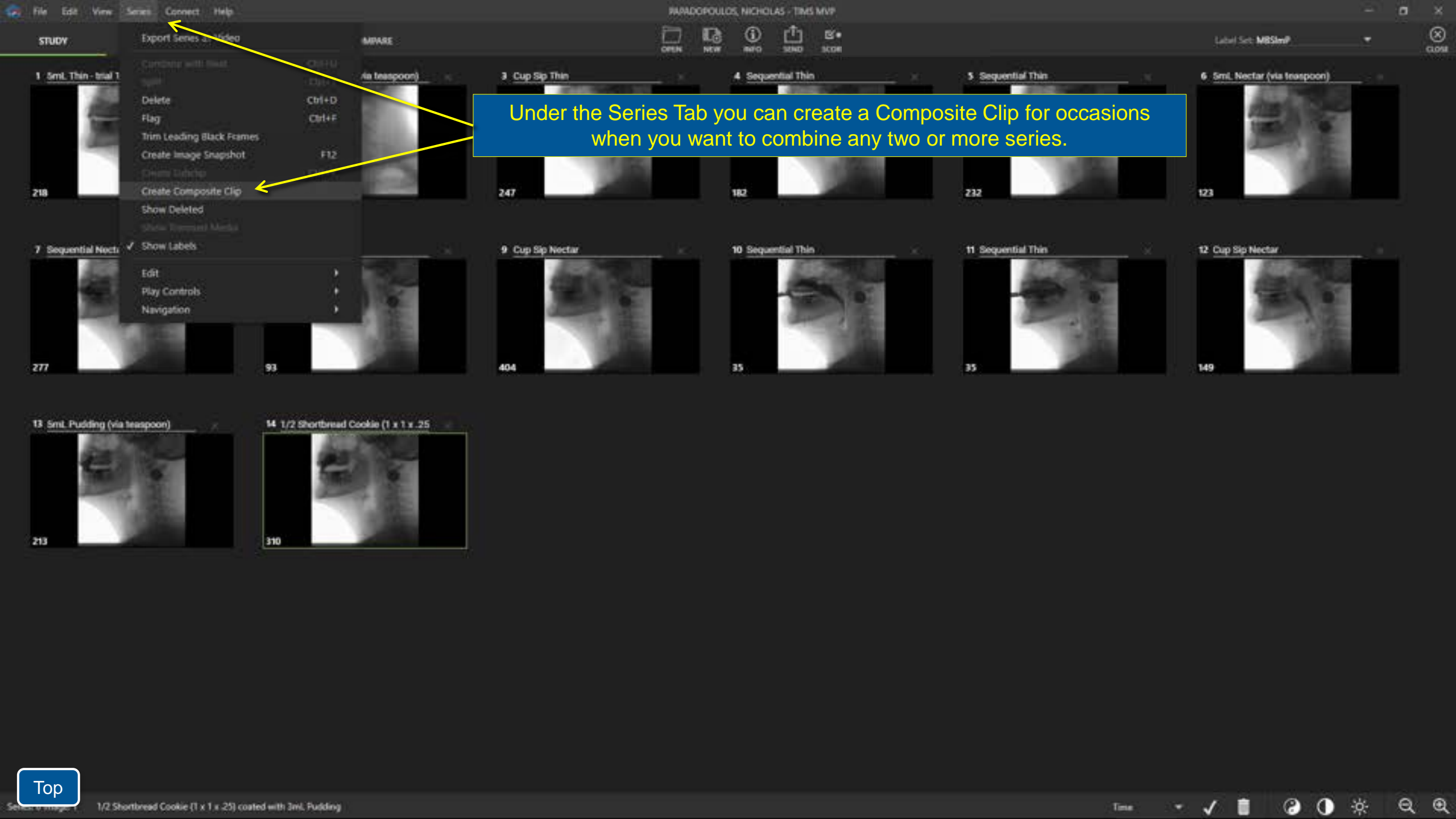


There may be occasions when you want to combine two series into one. For example, if the radiologist lets off the foot pedal in the middle of a swallow and immediately starts back up again you will end up with two series for the same swallow.

- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOL Ctrl+Shift+C
- Combine with Next Ctrl+U**
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-

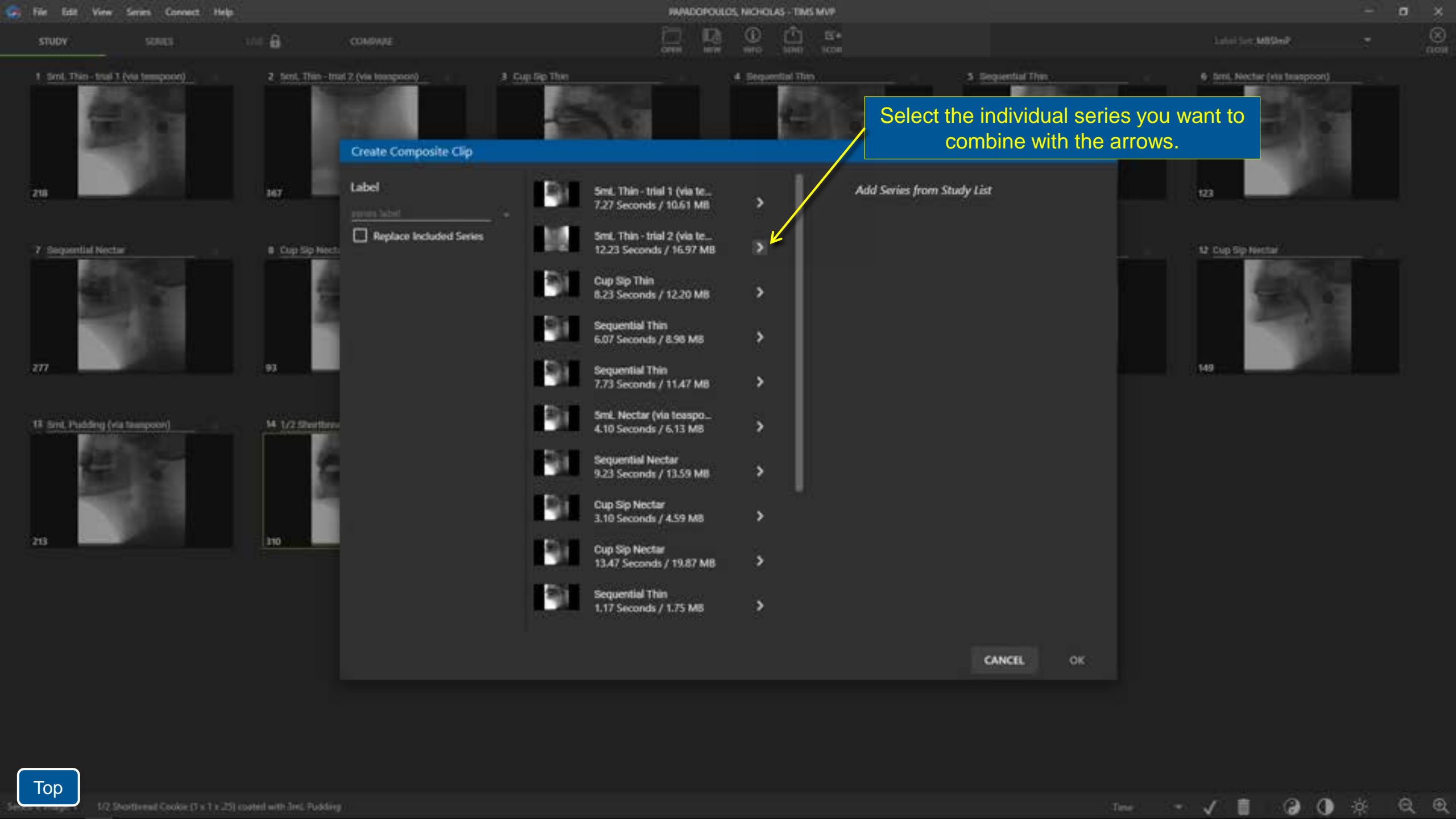
That example is shown here with two series that are from the same swallow. To combine the two, "right click" on the first series and choose "Combine with Next". The two series will be merged.

Top



Under the Series Tab you can create a Composite Clip for occasions when you want to combine any two or more series.

Top













Create Composite Clip

Label

series label

Replace Included Series

-  5mL Thin - trial 1 (via te...
7.27 Seconds / 10.61 MB >
-  5mL Thin - trial 2 (via te...
12.23 Seconds / 16.97 MB >
-  Cup Sip Thin
8.23 Seconds / 12.20 MB >
-  Sequential Thin
6.07 Seconds / 8.90 MB >
-  Sequential Thin
7.73 Seconds / 11.47 MB >
-  5mL Nectar (via teaspoo...
4.10 Seconds / 6.13 MB >
-  Sequential Nectar
9.23 Seconds / 13.59 MB >
-  Cup Sip Nectar
3.10 Seconds / 4.59 MB >
-  Cup Sip Nectar
13.47 Seconds / 19.87 MB >
-  Sequential Thin
1.17 Seconds / 1.75 MB >

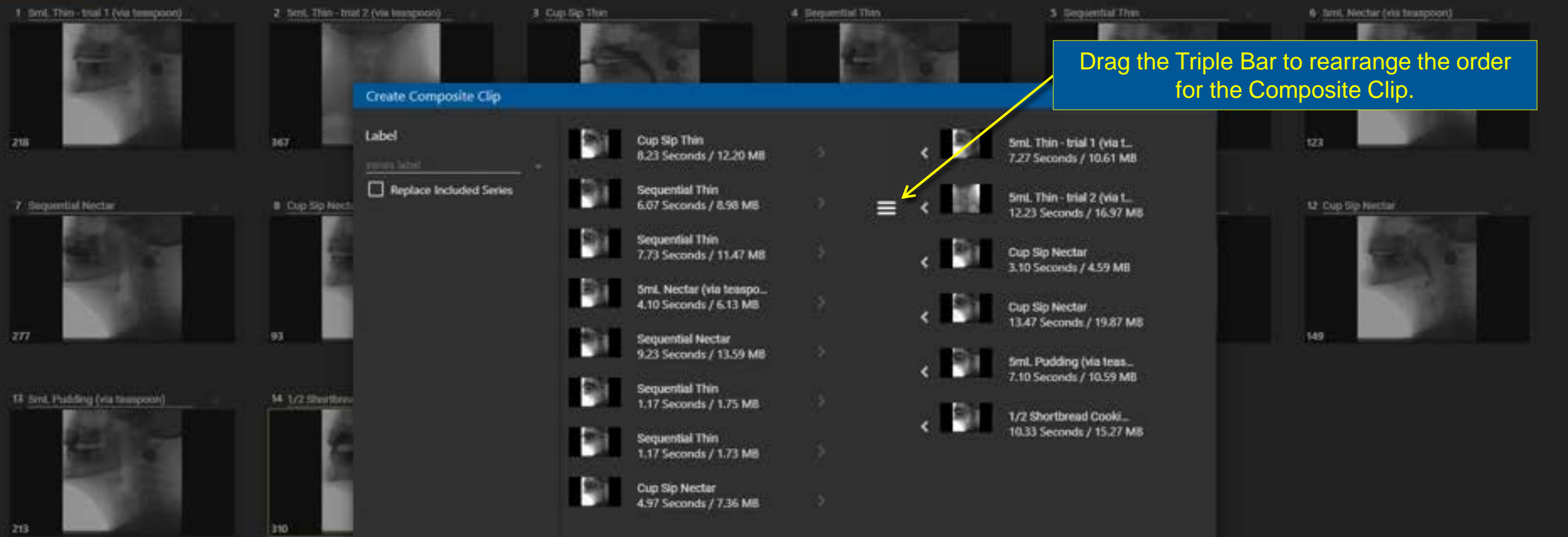
Add Series from Study List

Select the individual series you want to combine with the arrows.

CANCEL

OK

Top



Create Composite Clip

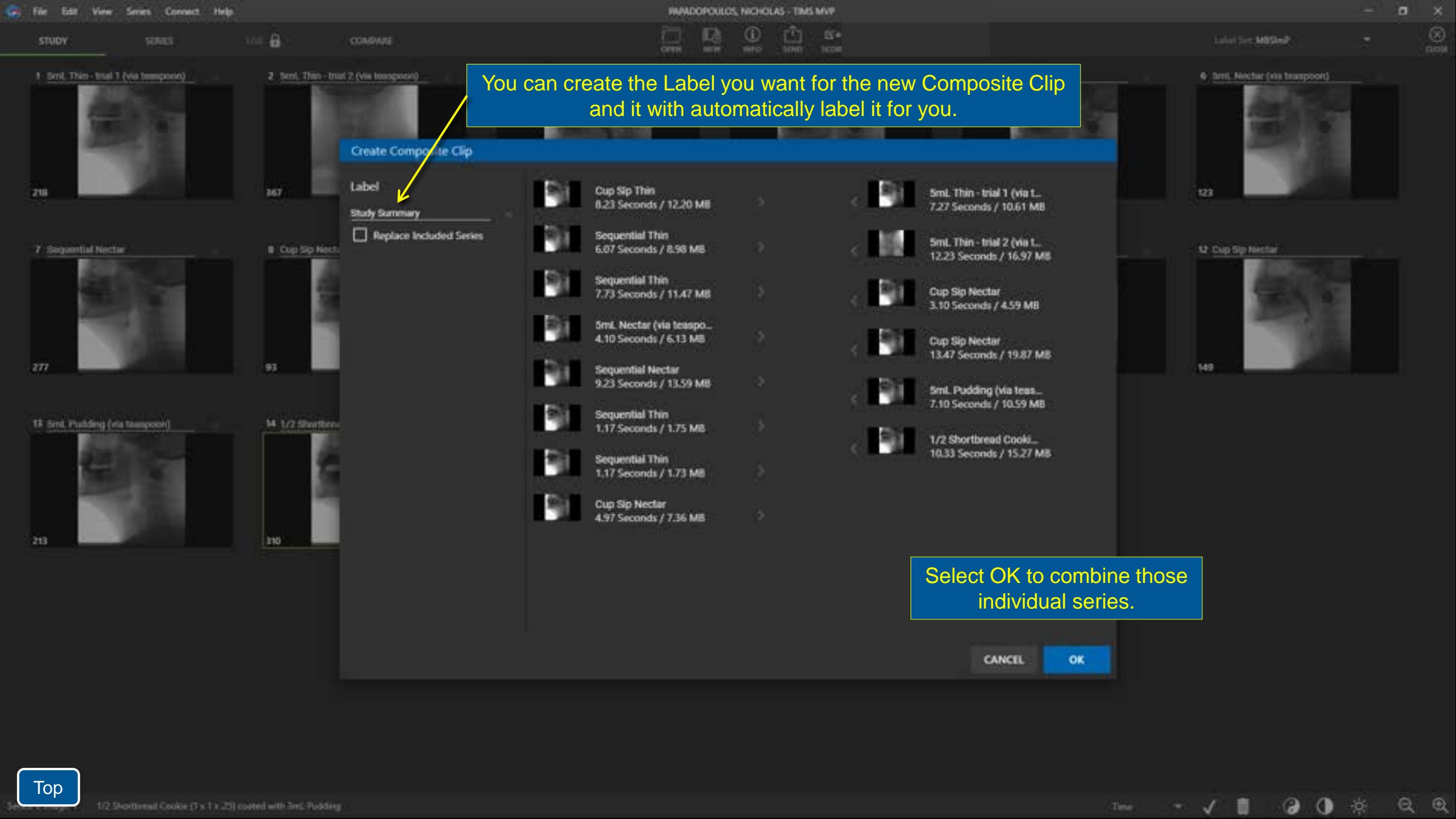
Label

Replace Included Series

	Cup Sip Thin 8.23 Seconds / 12.20 MB	>
	Sequential Thin 6.07 Seconds / 8.98 MB	>
	Sequential Thin 7.73 Seconds / 11.47 MB	>
	5mL Nectar (via teaspo... 4.10 Seconds / 6.13 MB	>
	Sequential Nectar 9.23 Seconds / 13.59 MB	>
	Sequential Thin 1.17 Seconds / 1.75 MB	>
	Sequential Thin 1.17 Seconds / 1.73 MB	>
	Cup Sip Nectar 4.97 Seconds / 7.36 MB	>
	5mL Thin - trial 1 (via L... 7.27 Seconds / 10.61 MB	<
	5mL Thin - trial 2 (via L... 12.23 Seconds / 16.97 MB	<
	Cup Sip Nectar 3.10 Seconds / 4.59 MB	<
	Cup Sip Nectar 13.47 Seconds / 19.87 MB	<
	5mL Pudding (via teas... 7.10 Seconds / 10.59 MB	<
	1/2 Shortbread Cooks... 10.33 Seconds / 15.27 MB	<

CANCEL OK

Drag the Triple Bar to rearrange the order for the Composite Clip.



You can create the Label you want for the new Composite Clip and it will automatically label it for you.

Create Composite Clip

Label

Study Summary

Replace Included Series

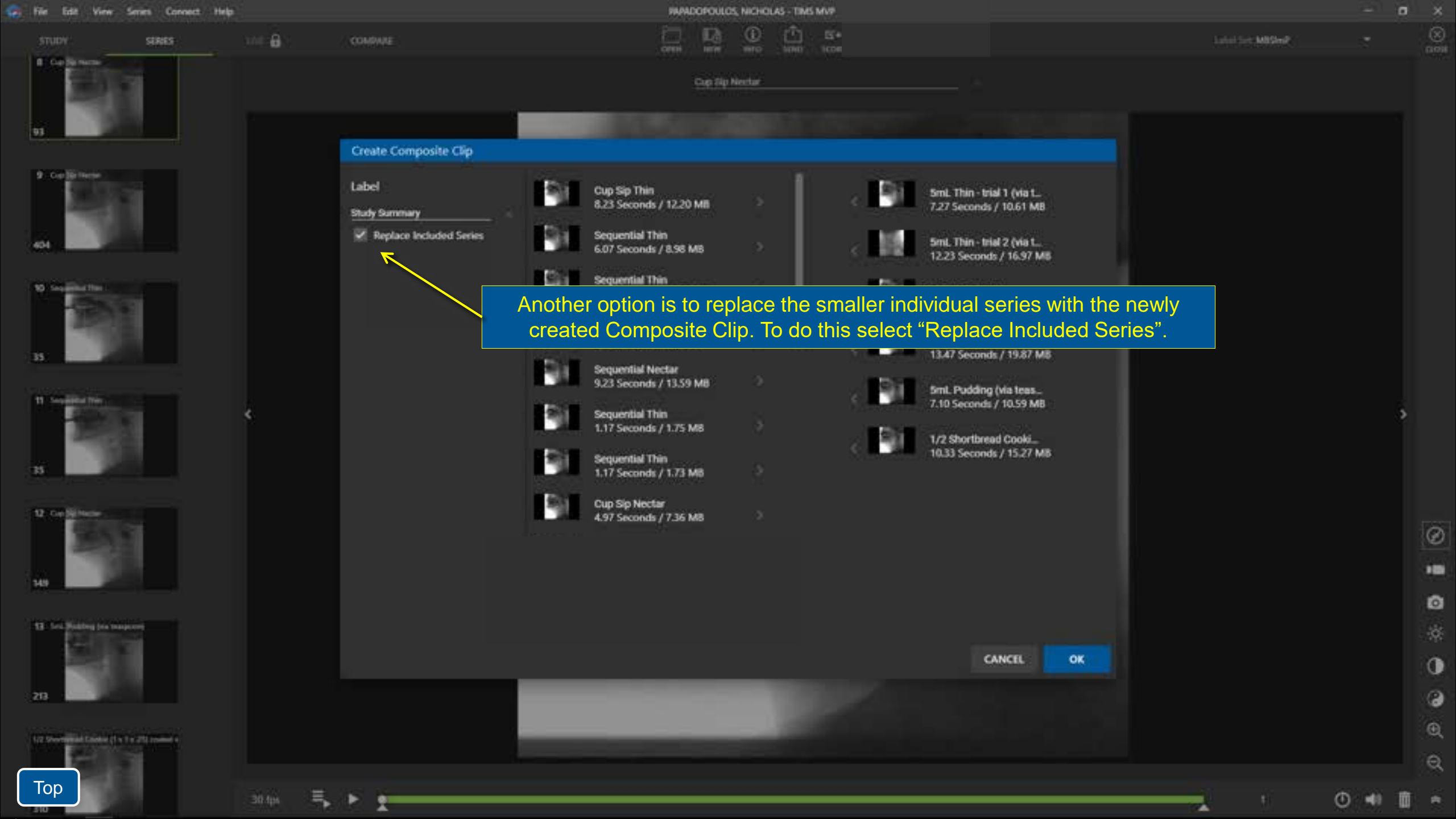
	Cup Sip Thin 8.23 Seconds / 12.20 MB		5mL Thin - trial 1 (via L... 7.27 Seconds / 10.61 MB
	Sequential Thin 6.07 Seconds / 8.98 MB		5mL Thin - trial 2 (via L... 12.23 Seconds / 16.97 MB
	Sequential Thin 7.73 Seconds / 11.47 MB		Cup Sip Nectar 3.10 Seconds / 4.59 MB
	5mL Nectar (via teaspo... 4.10 Seconds / 6.13 MB		Cup Sip Nectar 13.47 Seconds / 19.87 MB
	Sequential Nectar 9.23 Seconds / 13.59 MB		5mL Pudding (via teas... 7.10 Seconds / 10.59 MB
	Sequential Thin 1.17 Seconds / 1.75 MB		1/2 Shortbread Cooki... 10.33 Seconds / 15.27 MB
	Sequential Thin 1.17 Seconds / 1.73 MB		
	Cup Sip Nectar 4.97 Seconds / 7.36 MB		

CANCEL OK

Select OK to combine those individual series.



The new clip is added the end of the study. It will be marked with the Composite Clip icon and marked with a label if one was added. The other original series remain intact.



Create Composite Clip

Label

Study Summary

Replace Included Series



Cup Sip Thin
8.23 Seconds / 12.20 MB



5mL Thin - trial 1 (via L...
7.27 Seconds / 10.61 MB



Sequential Thin
6.07 Seconds / 8.98 MB



5mL Thin - trial 2 (via L...
12.23 Seconds / 16.97 MB



Sequential Thin



Sequential Nectar
9.23 Seconds / 13.59 MB



5mL Pudding (via teas...
7.10 Seconds / 10.59 MB



Sequential Thin
1.17 Seconds / 1.75 MB



Sequential Thin
1.17 Seconds / 1.73 MB



Cup Sip Nectar
4.97 Seconds / 7.36 MB

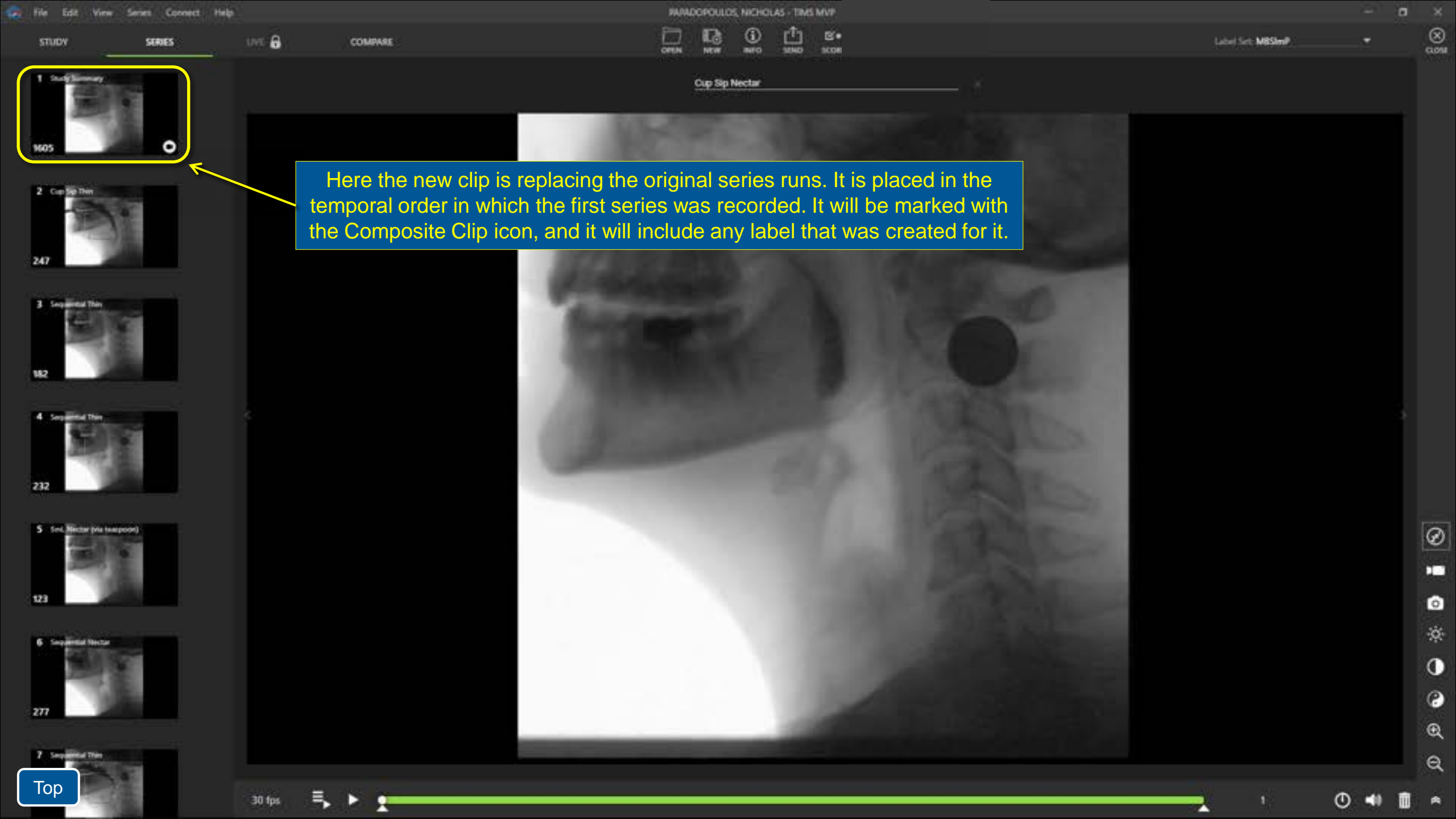


1/2 Shortbread Cooki...
10.33 Seconds / 15.27 MB

CANCEL

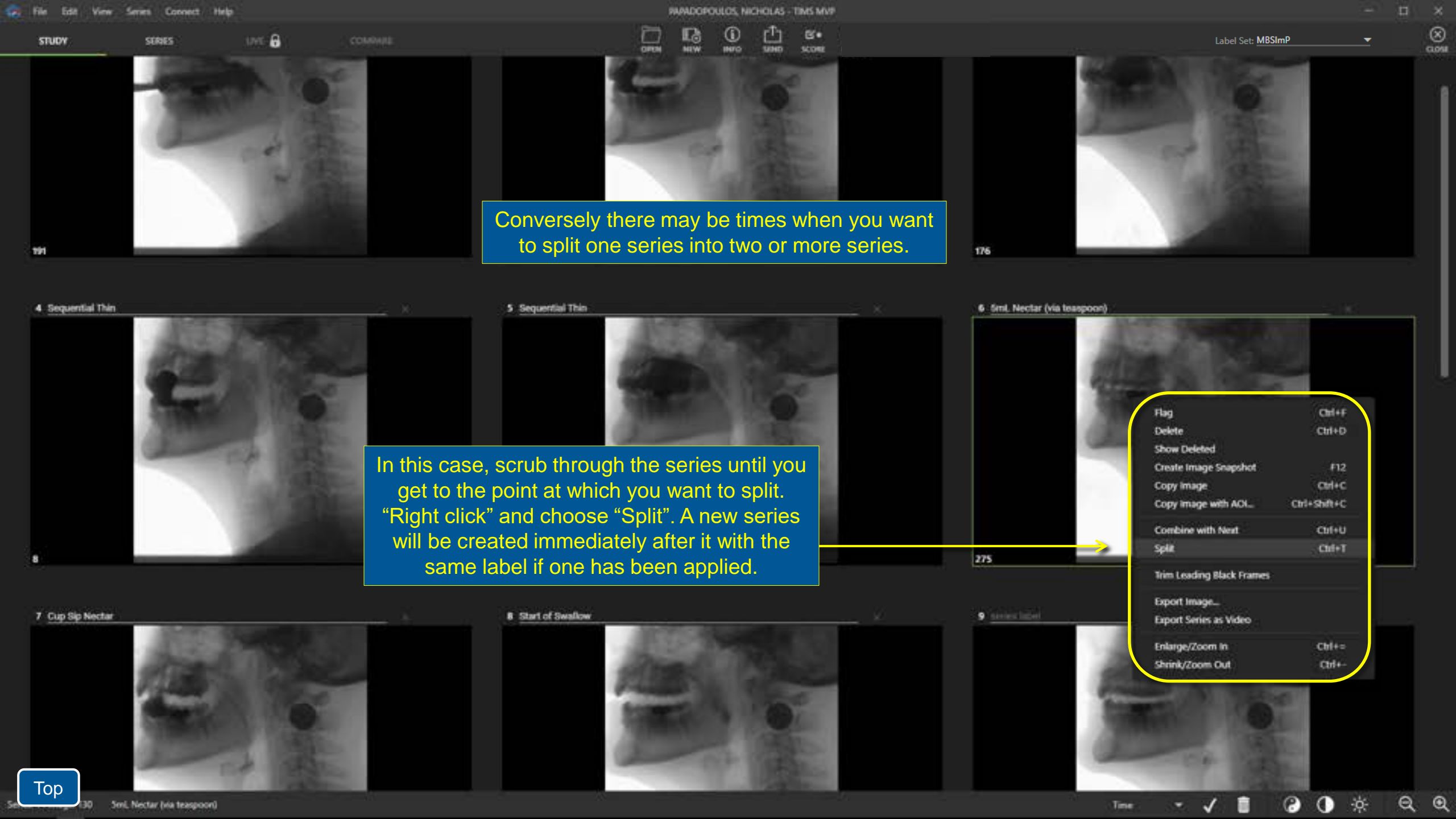
OK

Another option is to replace the smaller individual series with the newly created Composite Clip. To do this select "Replace Included Series".



Here the new clip is replacing the original series runs. It is placed in the temporal order in which the first series was recorded. It will be marked with the Composite Clip icon, and it will include any label that was created for it.

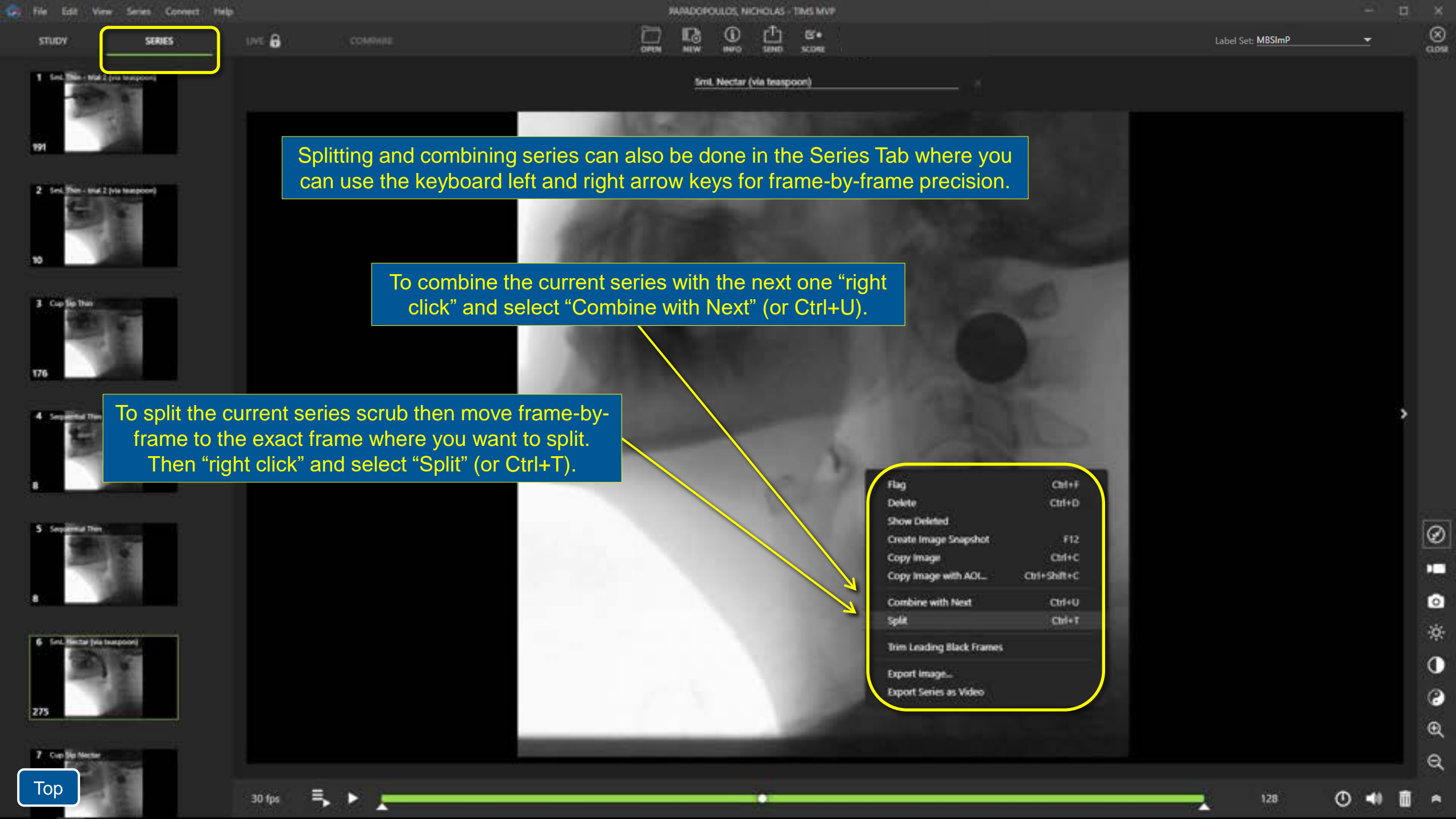
Top



Conversely there may be times when you want to split one series into two or more series.

In this case, scrub through the series until you get to the point at which you want to split. "Right click" and choose "Split". A new series will be created immediately after it with the same label if one has been applied.

- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with ACL... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Split Ctrl+T
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-



SERIES

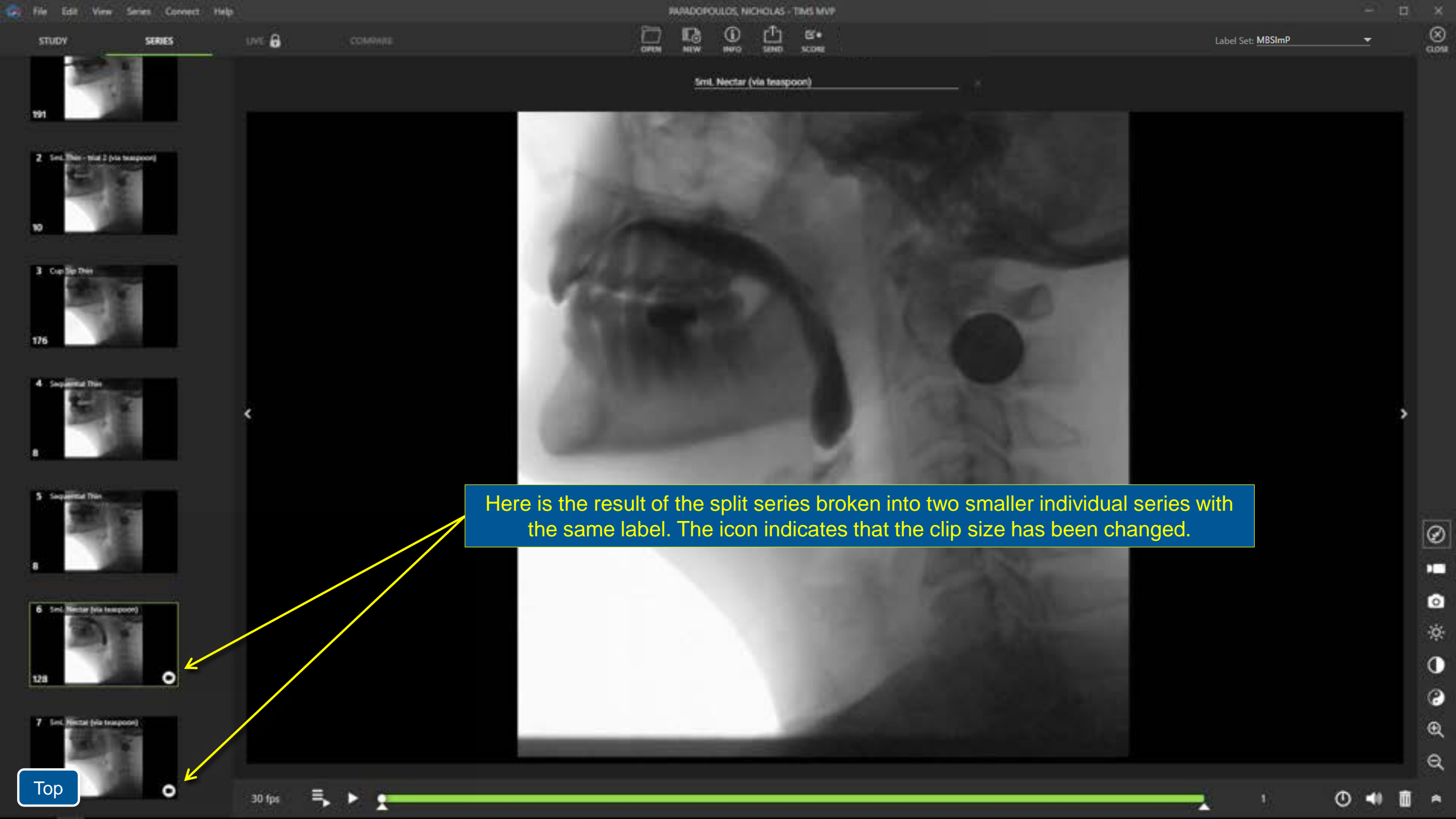
Splitting and combining series can also be done in the Series Tab where you can use the keyboard left and right arrow keys for frame-by-frame precision.

To combine the current series with the next one “right click” and select “Combine with Next” (or Ctrl+U).

To split the current series scrub then move frame-by-frame to the exact frame where you want to split. Then “right click” and select “Split” (or Ctrl+T).

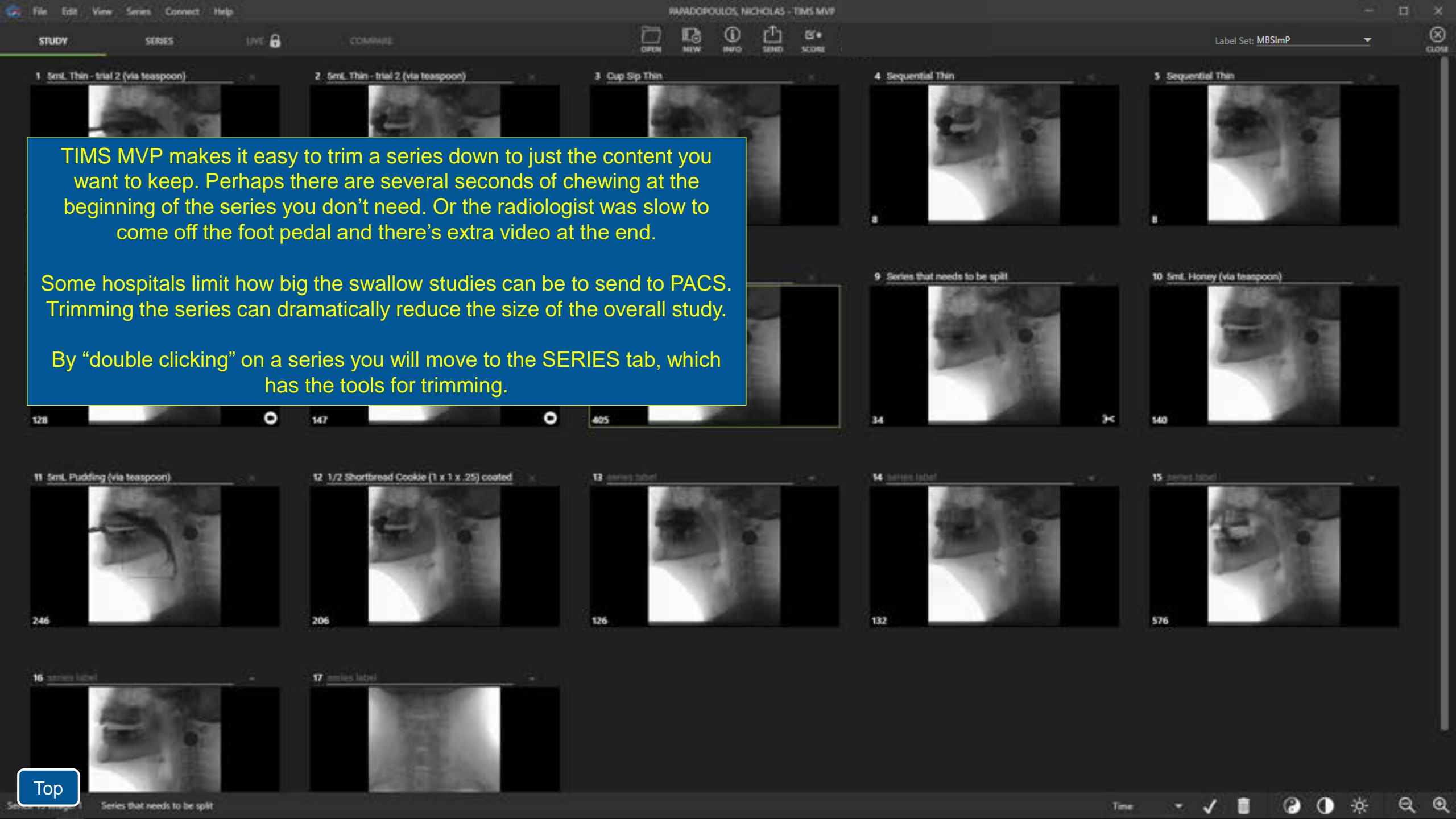
- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOL... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Split Ctrl+T
- Trim Leading Black Frames
- Export Image...
- Export Series as Video

Top



Here is the result of the split series broken into two smaller individual series with the same label. The icon indicates that the clip size has been changed.

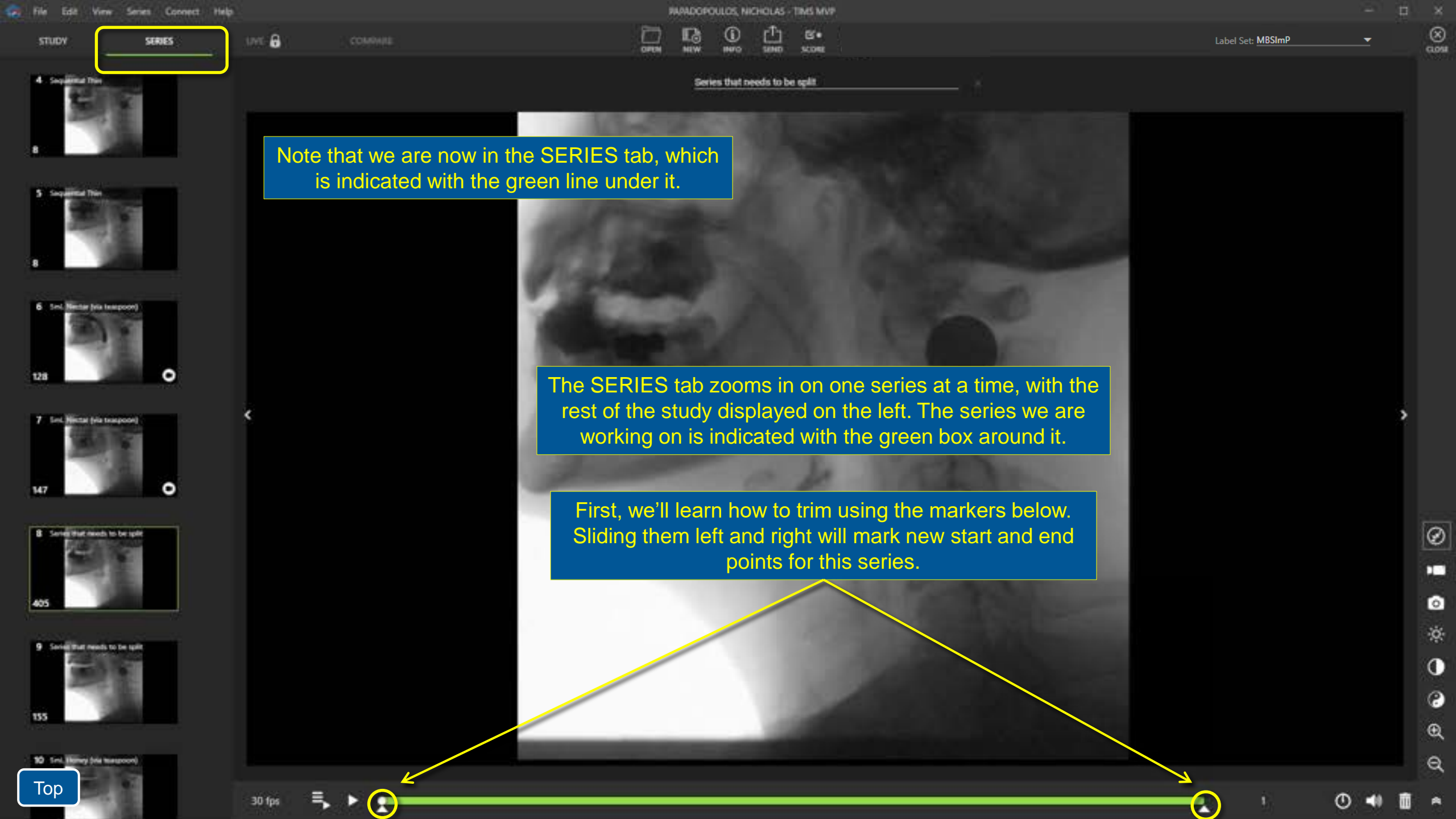
Top



TIMS MVP makes it easy to trim a series down to just the content you want to keep. Perhaps there are several seconds of chewing at the beginning of the series you don't need. Or the radiologist was slow to come off the foot pedal and there's extra video at the end.

Some hospitals limit how big the swallow studies can be to send to PACS. Trimming the series can dramatically reduce the size of the overall study.

By "double clicking" on a series you will move to the SERIES tab, which has the tools for trimming.



SERIES

Note that we are now in the SERIES tab, which is indicated with the green line under it.

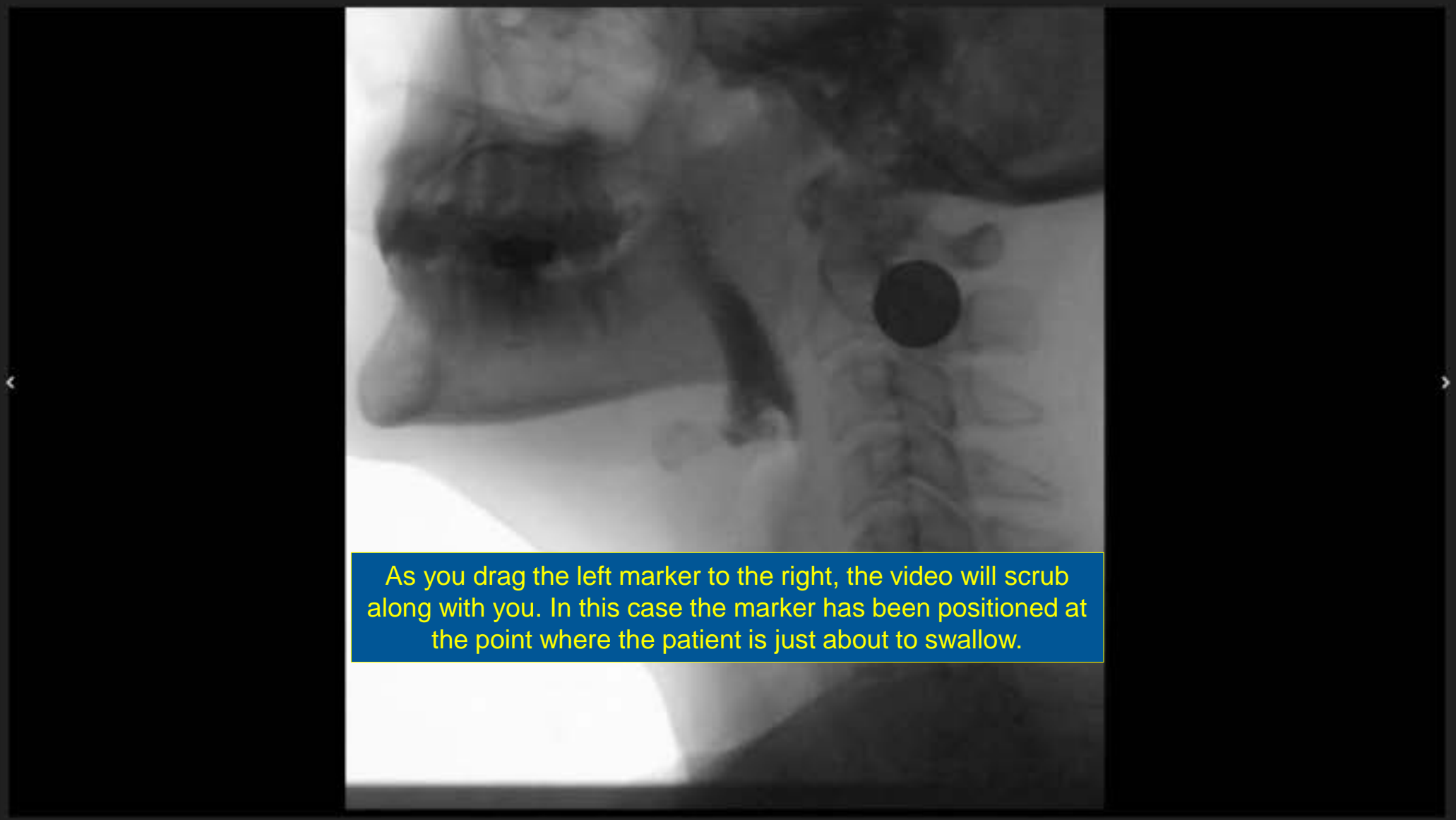
The SERIES tab zooms in on one series at a time, with the rest of the study displayed on the left. The series we are working on is indicated with the green box around it.

First, we'll learn how to trim using the markers below. Sliding them left and right will mark new start and end points for this series.

Top

Series that needs to be split

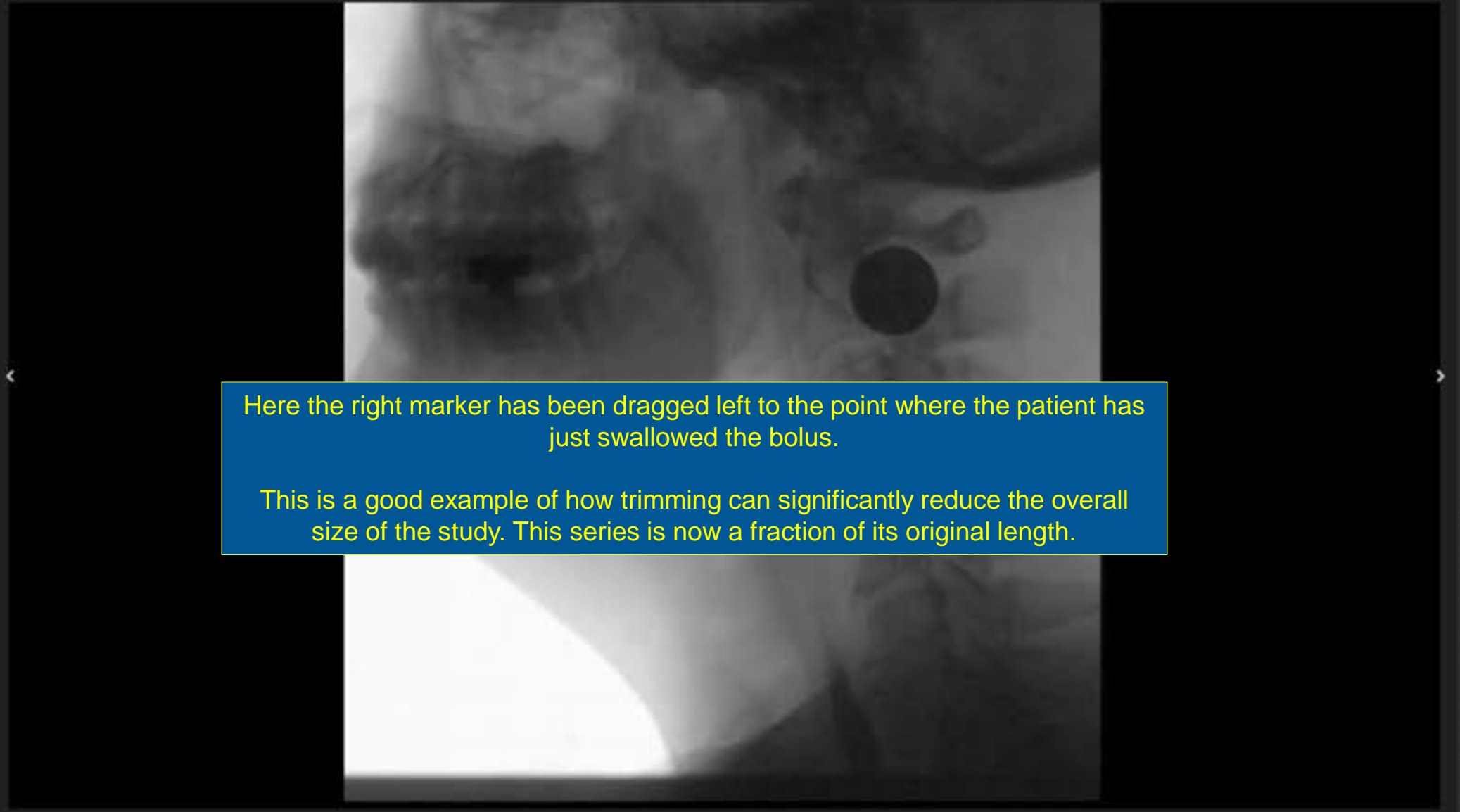
- 4 Sequential Thin 8
- 5 Sequential Thin 8
- 6 5ml, Nectar (via teaspoon) 128
- 7 5ml, Nectar (via teaspoon) 147
- 8 Series that needs to be split 405
- 9 Series that needs to be split 155
- 10 5ml, Honey (via teaspoon)



As you drag the left marker to the right, the video will scrub along with you. In this case the marker has been positioned at the point where the patient is just about to swallow.

Top

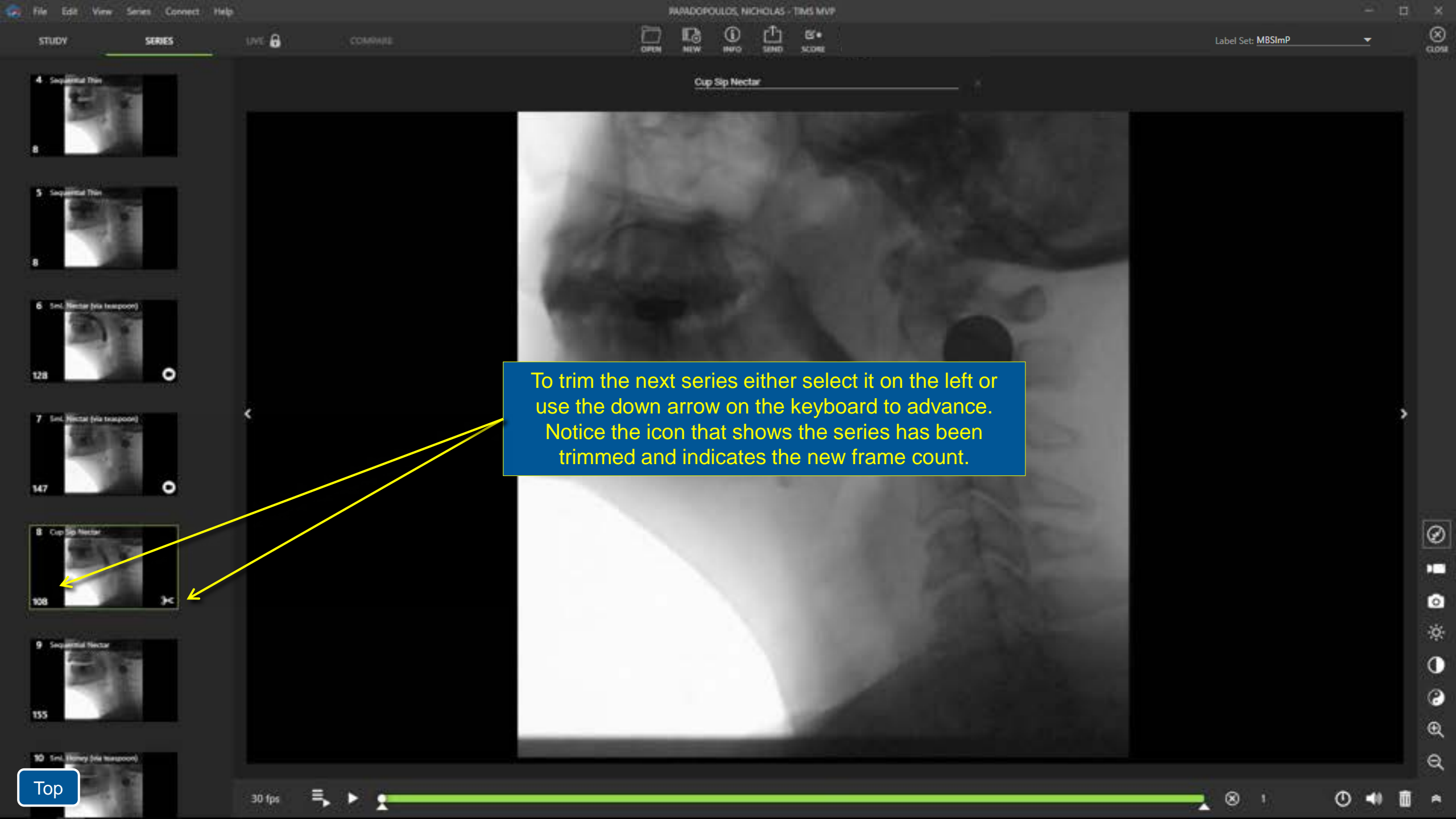
- 4 Sequential Thin 8
- 5 Sequential Thin 8
- 6 5ml, Nectar (via teaspoon) 128
- 7 5ml, Nectar (via teaspoon) 147
- 8 Series that needs to be split 405
- 9 Series that needs to be split 155
- 10 5ml, Honey (via teaspoon)



Here the right marker has been dragged left to the point where the patient has just swallowed the bolus.

This is a good example of how trimming can significantly reduce the overall size of the study. This series is now a fraction of its original length.

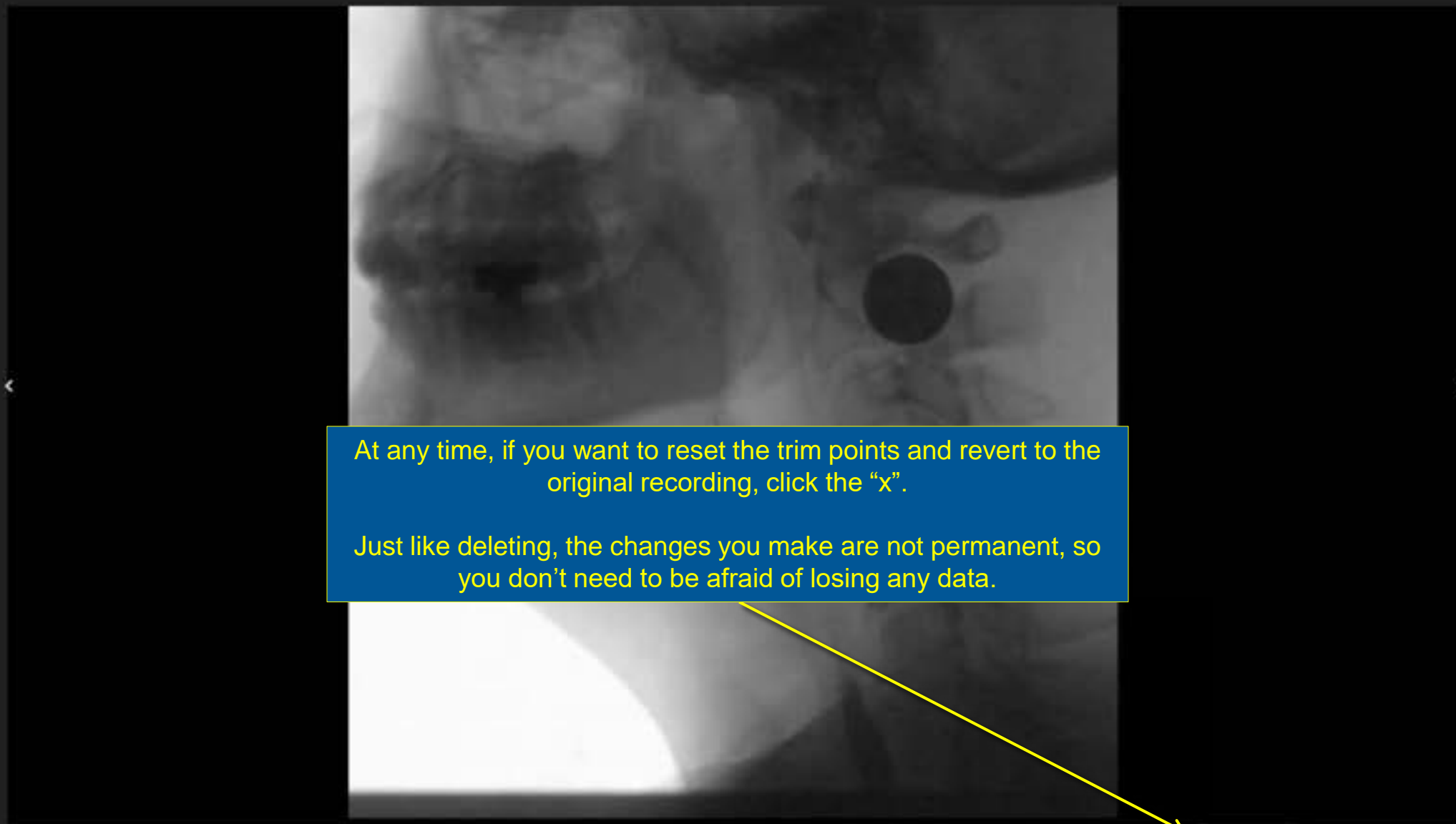
Top



To trim the next series either select it on the left or use the down arrow on the keyboard to advance. Notice the icon that shows the series has been trimmed and indicates the new frame count.

Top

Series that needs to be split

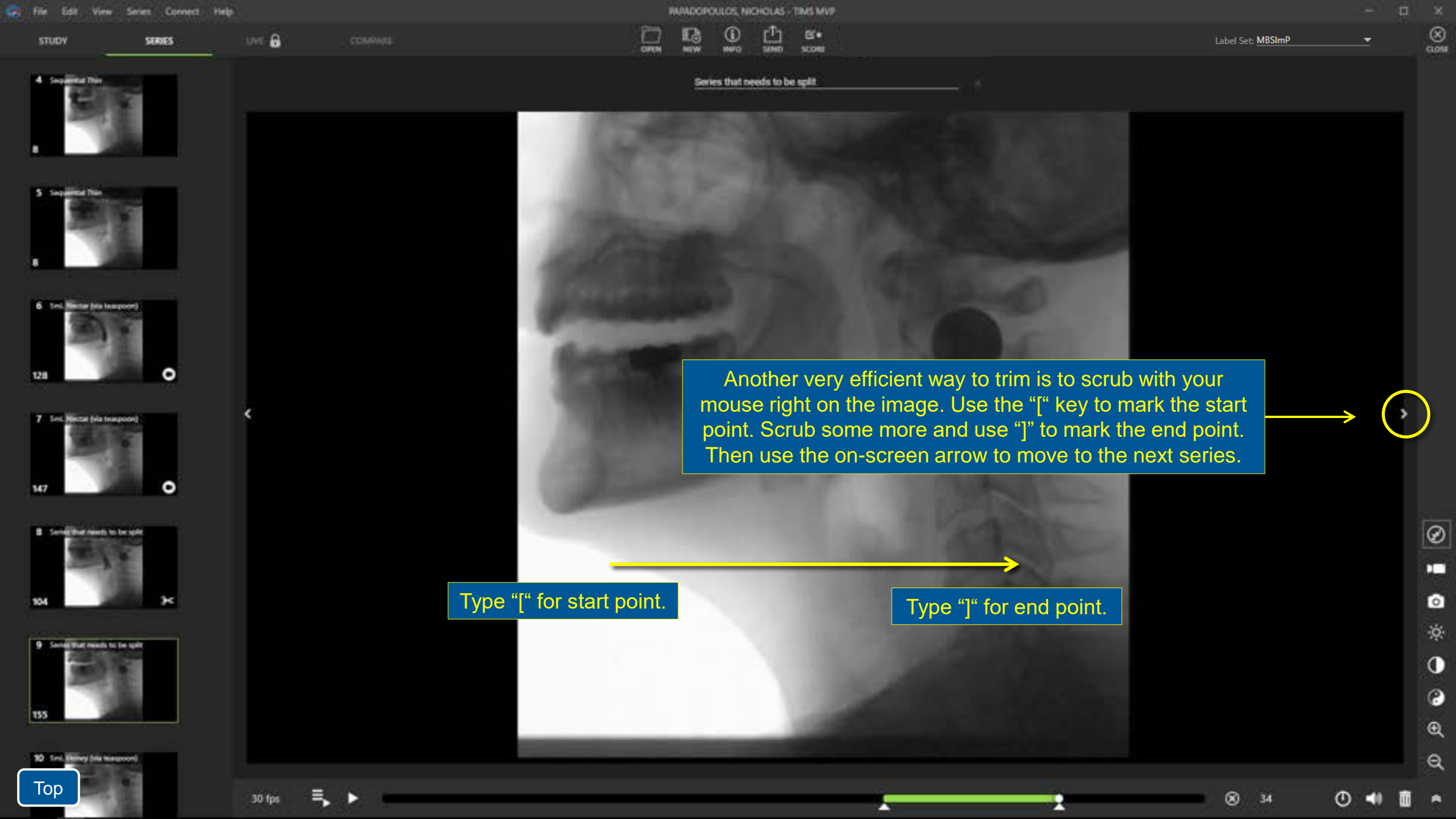


At any time, if you want to reset the trim points and revert to the original recording, click the "x".
Just like deleting, the changes you make are not permanent, so you don't need to be afraid of losing any data.

Reset Trimming



Top

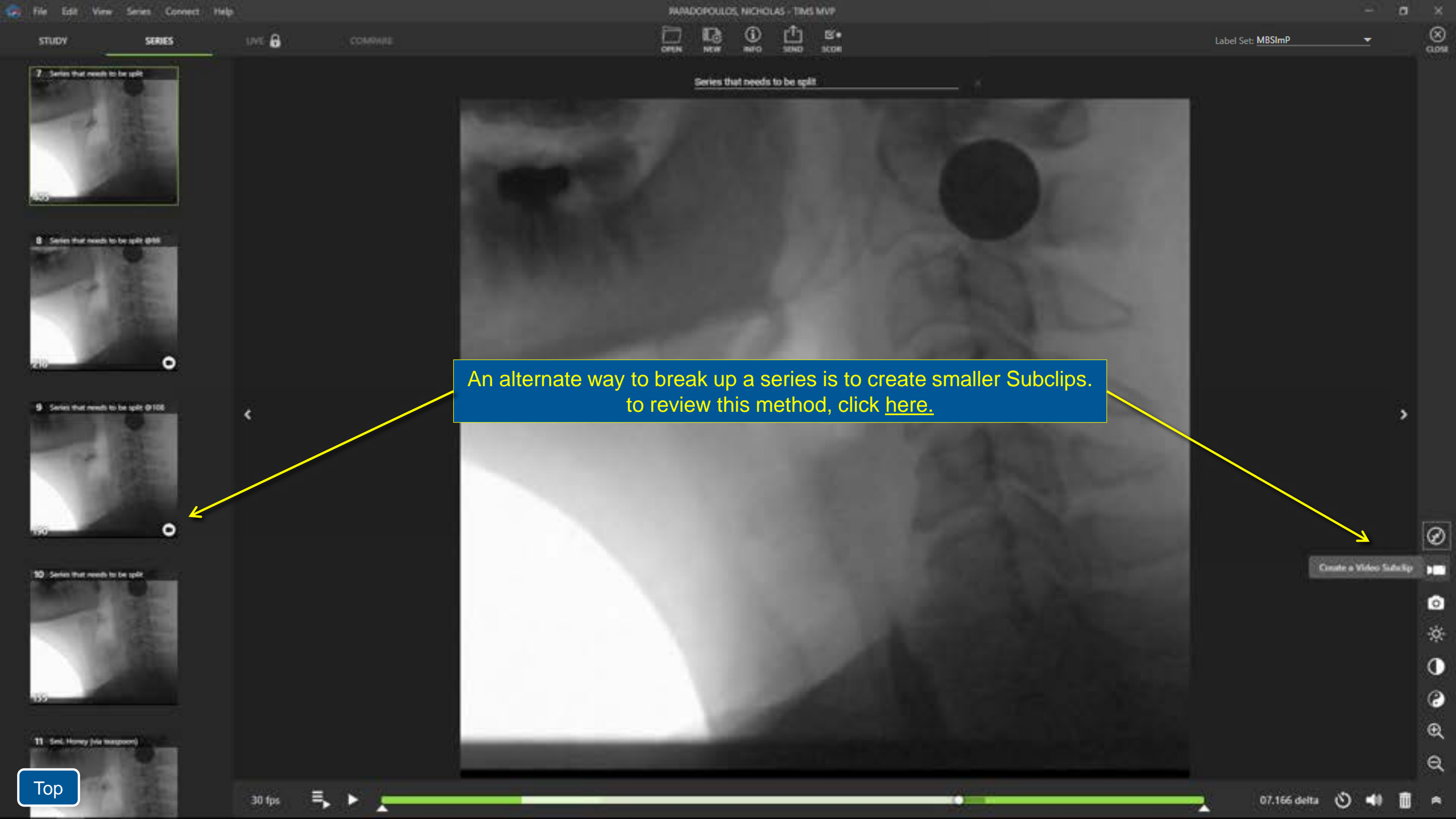


Another very efficient way to trim is to scrub with your mouse right on the image. Use the "[" key to mark the start point. Scrub some more and use "]" to mark the end point. Then use the on-screen arrow to move to the next series.

Type "[" for start point.

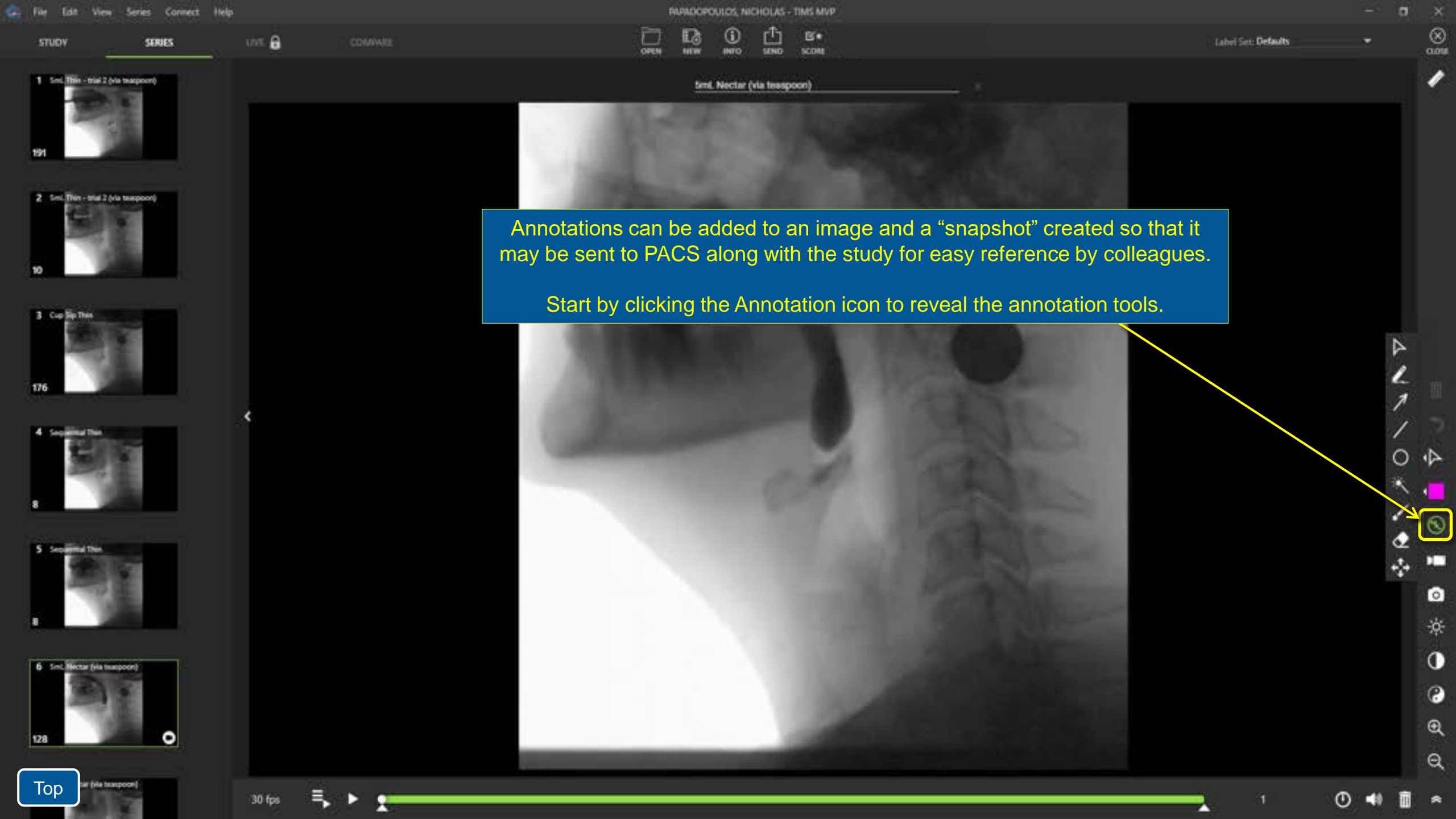
Type "]" for end point.

Top



An alternate way to break up a series is to create smaller Subclips. to review this method, click [here](#).

Top

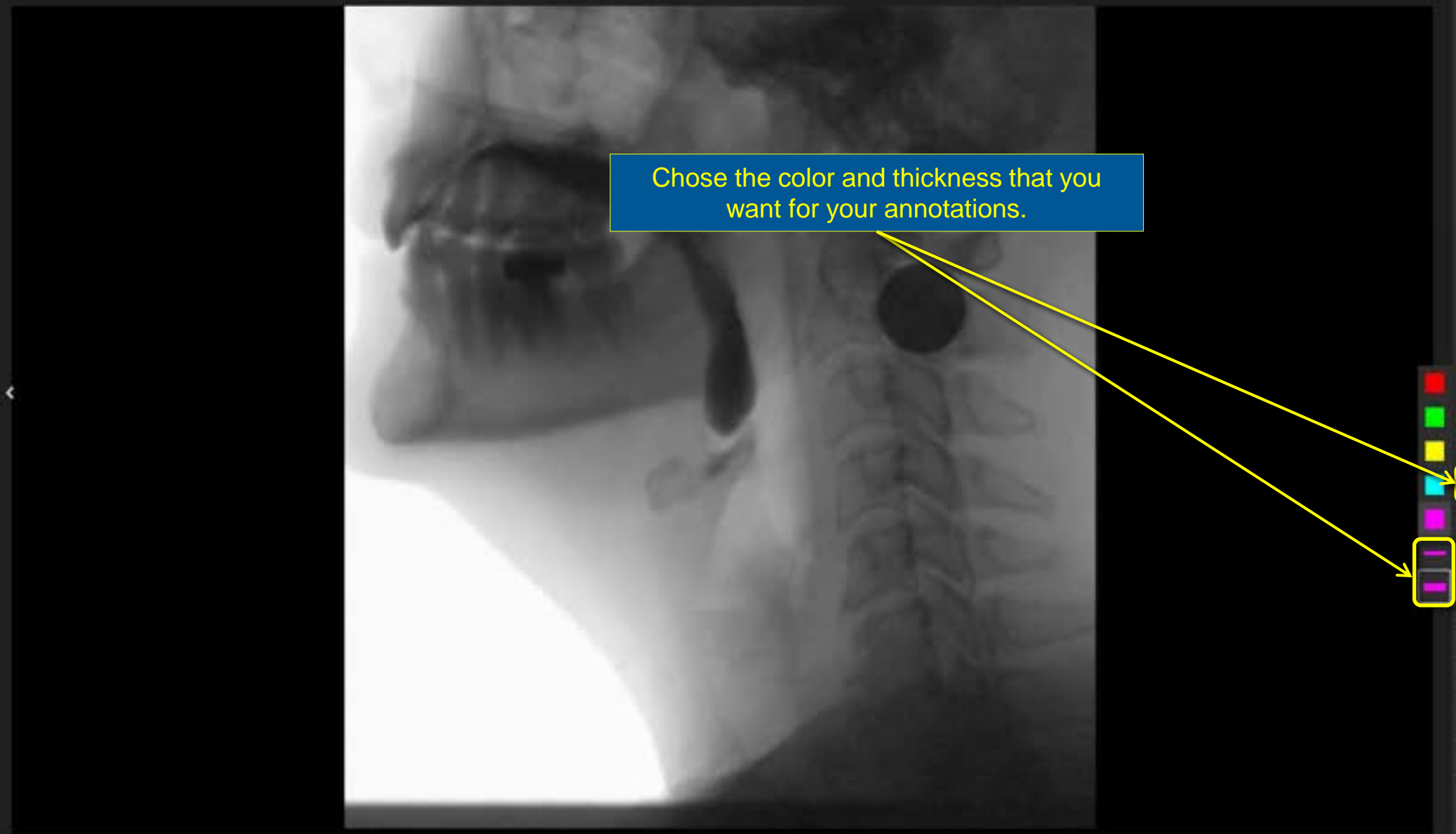


Annotations can be added to an image and a "snapshot" created so that it may be sent to PACS along with the study for easy reference by colleagues.

Start by clicking the Annotation icon to reveal the annotation tools.

- 1 SmL Thin - trial 2 (via teaspoon) 191
- 2 SmL Thin - trial 2 (via teaspoon) 10 ✓
- 3 Cup Sp Thin 176
- 4 Sequential Thin 8
- 5 Sequential Thin 8
- 6 SmL Nectar (via teaspoon) 128 ✓

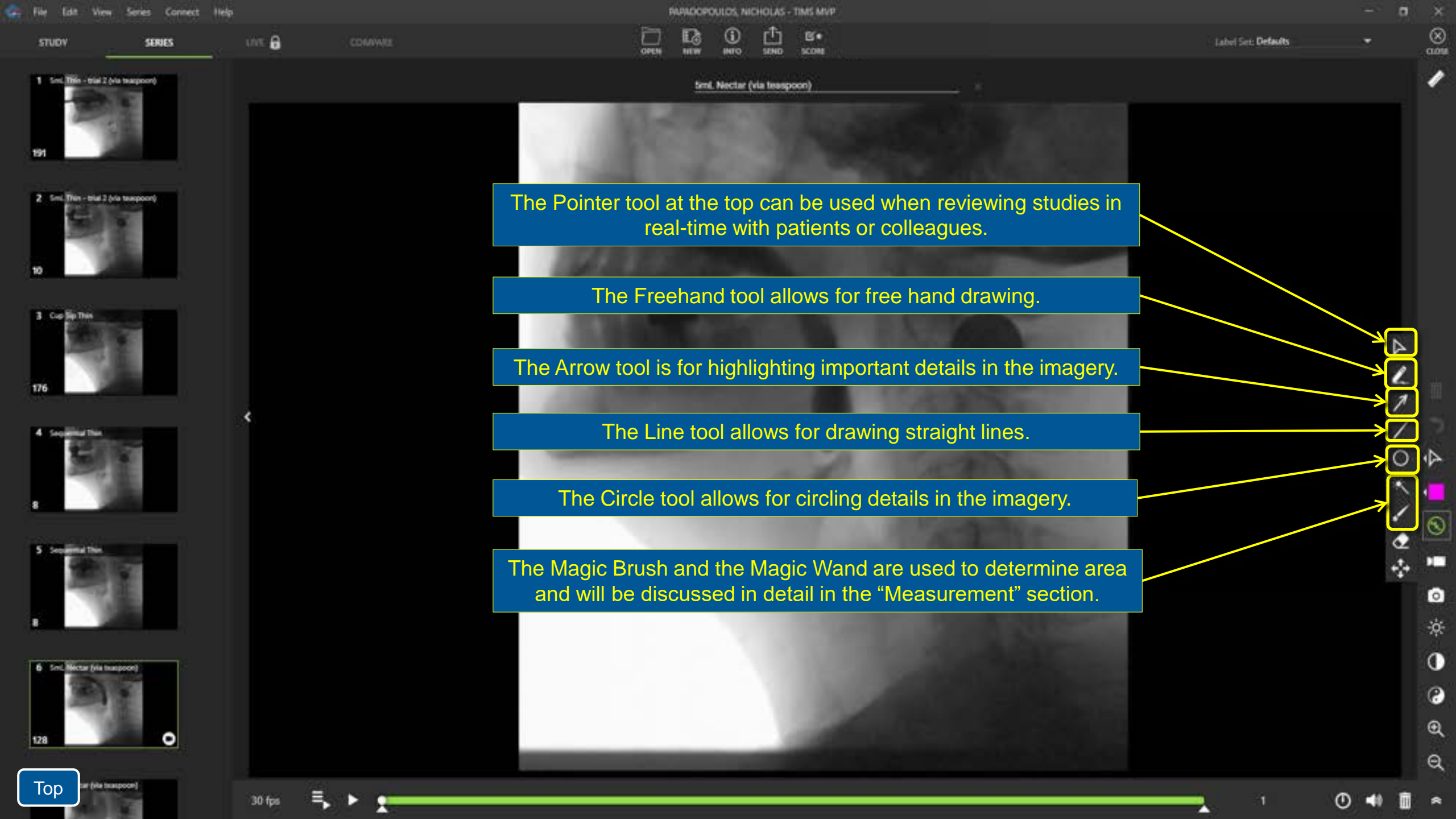
SmL Nectar (via teaspoon)



Chose the color and thickness that you want for your annotations.

A vertical toolbar for annotations. It features a color palette with red, green, yellow, cyan, magenta, and blue squares. Below the colors are two vertical sliders for selecting line thickness. The magenta color and the thickness sliders are highlighted with yellow boxes. To the right of the toolbar are various icons for erasing, deleting, and other editing functions.

Top



The Pointer tool at the top can be used when reviewing studies in real-time with patients or colleagues.

The Freehand tool allows for free hand drawing.

The Arrow tool is for highlighting important details in the imagery.

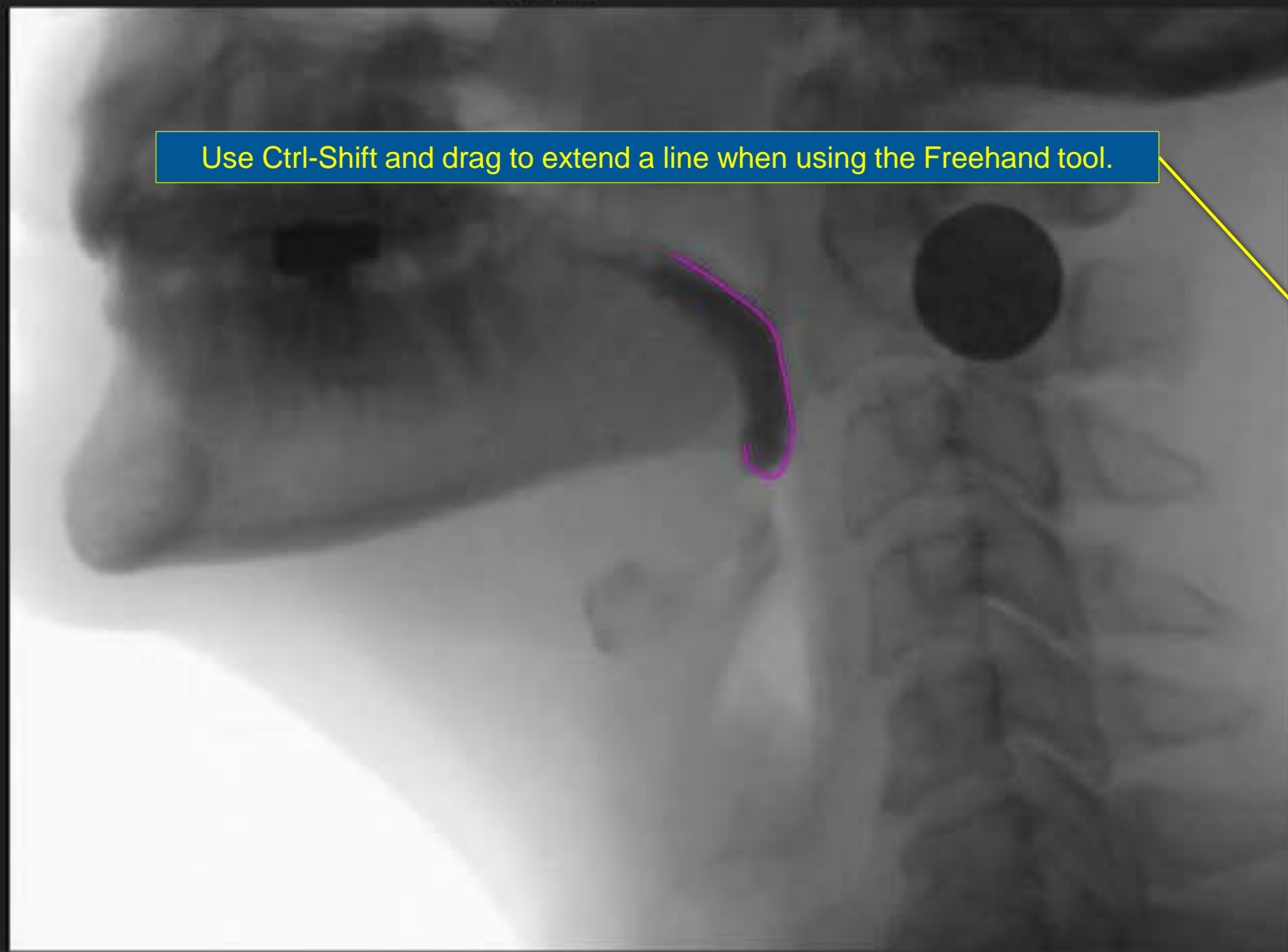
The Line tool allows for drawing straight lines.

The Circle tool allows for circling details in the imagery.

The Magic Brush and the Magic Wand are used to determine area and will be discussed in detail in the "Measurement" section.

Top

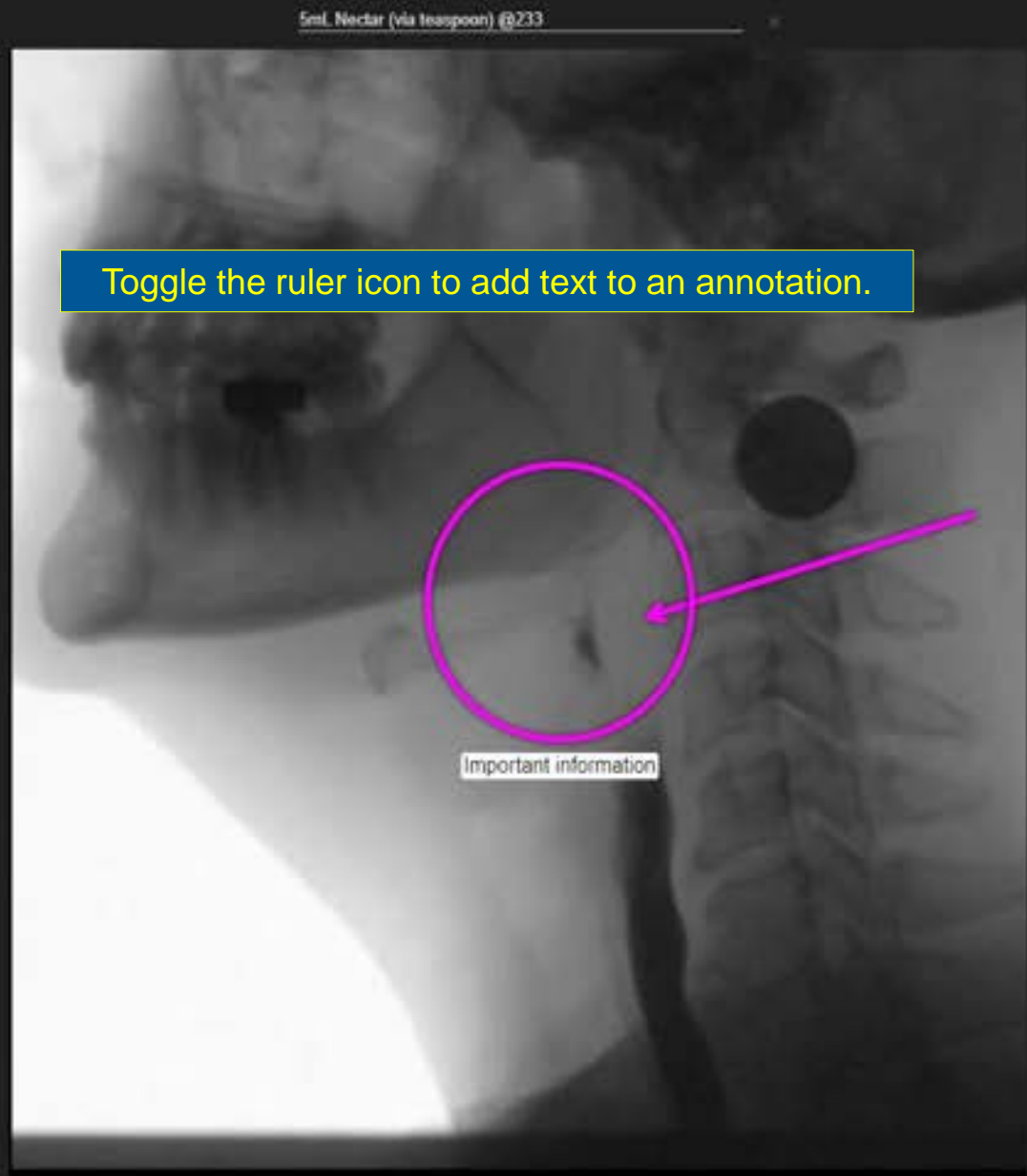
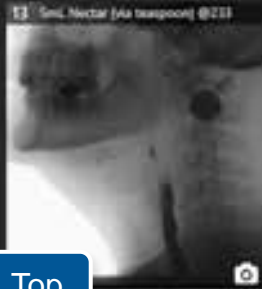
Sequential Thin



Use Ctrl-Shift and drag to extend a line when using the Freehand tool.



Top



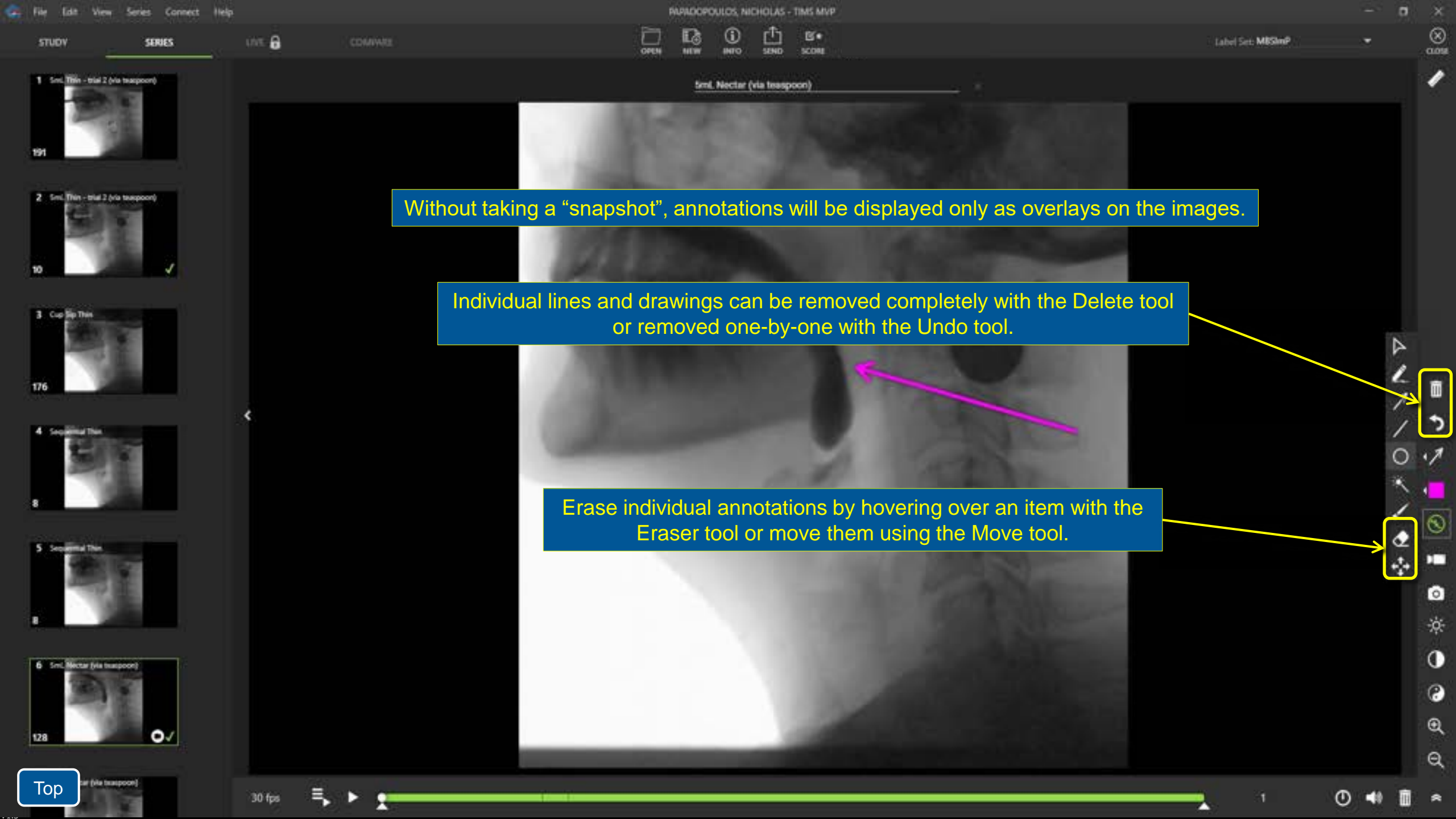
Toggle the ruler icon to add text to an annotation.

Important information

- name
- Important information size



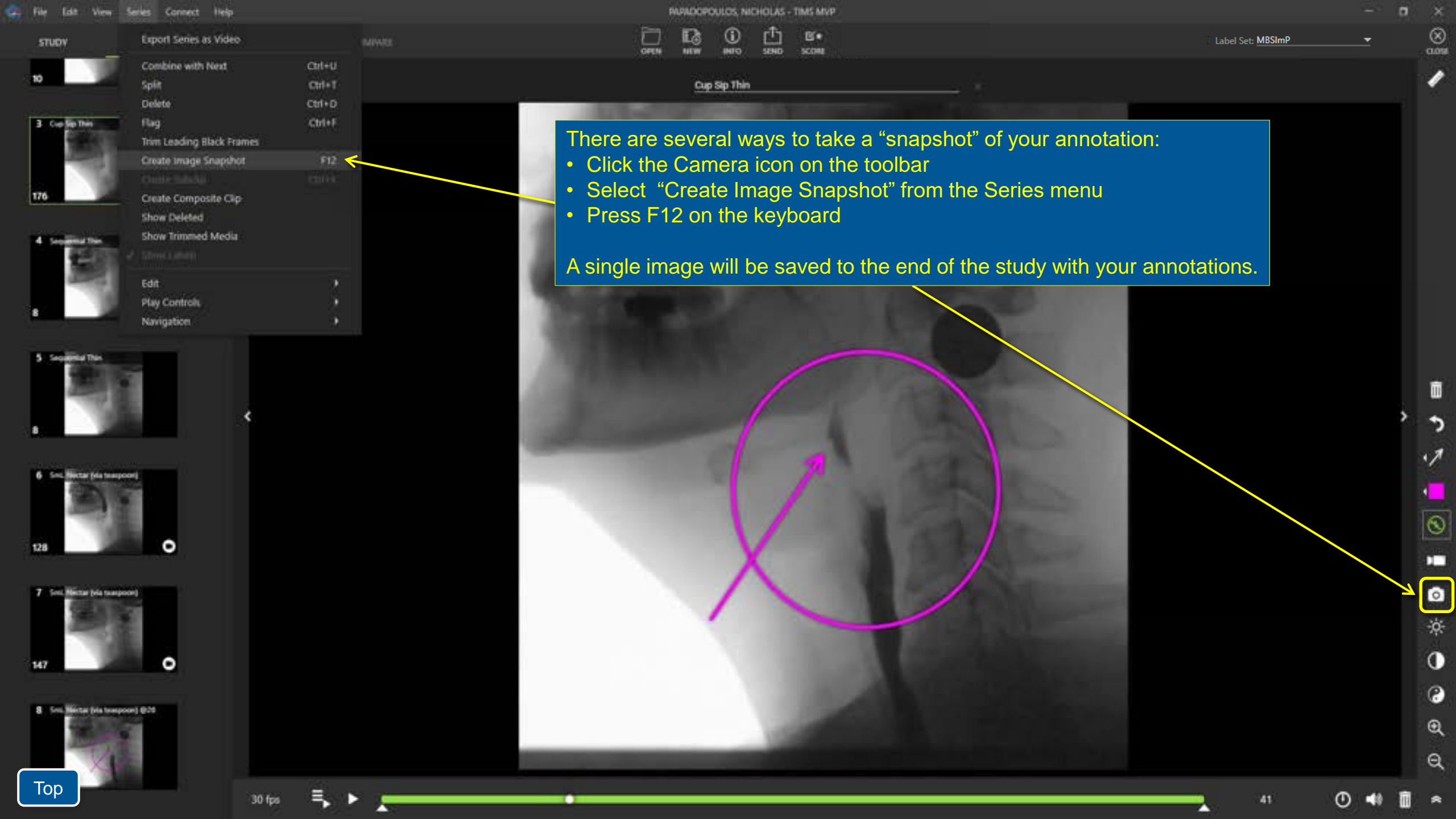
Top



Without taking a "snapshot", annotations will be displayed only as overlays on the images.

Individual lines and drawings can be removed completely with the Delete tool or removed one-by-one with the Undo tool.

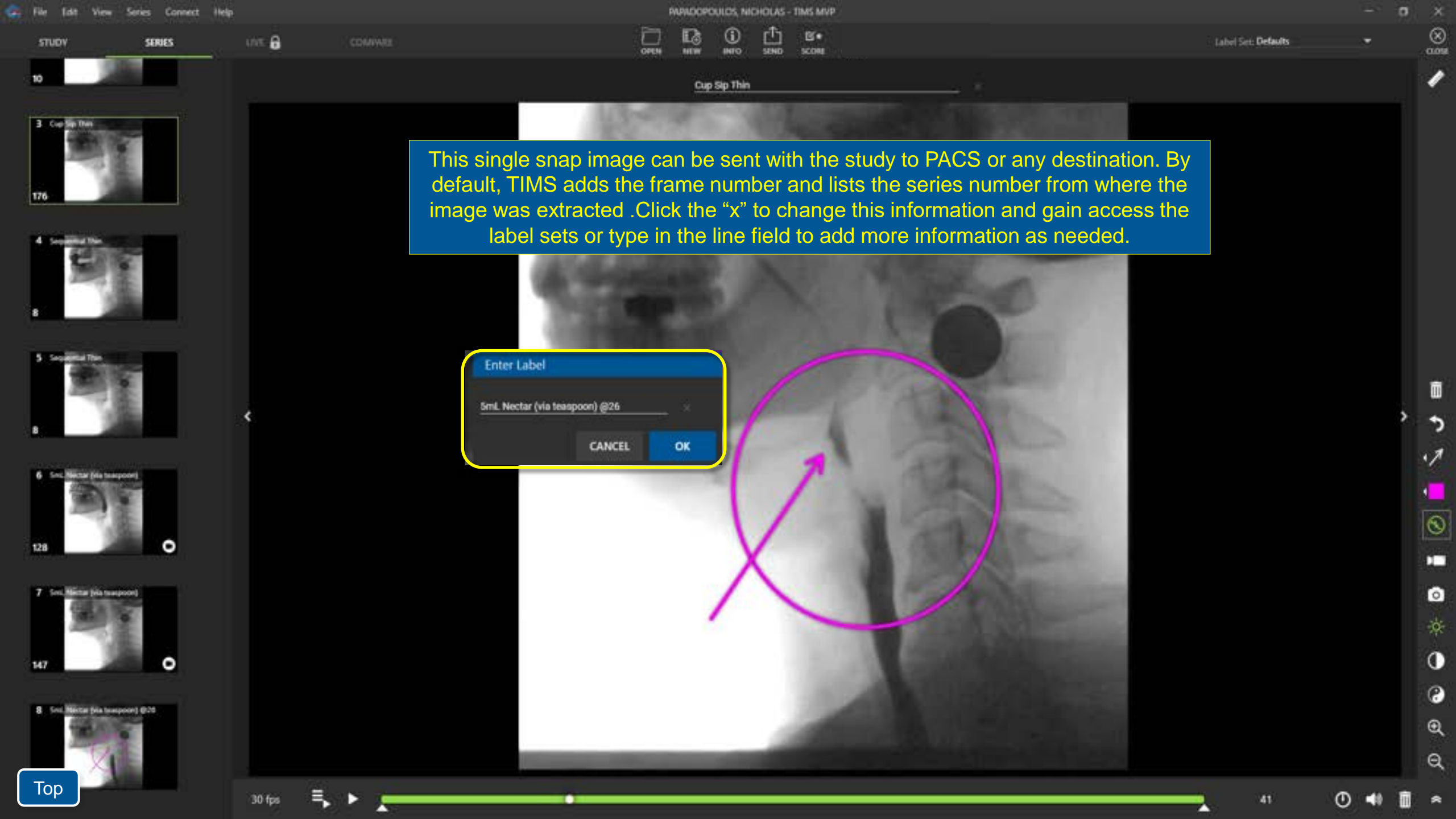
Erase individual annotations by hovering over an item with the Eraser tool or move them using the Move tool.



There are several ways to take a “snapshot” of your annotation:

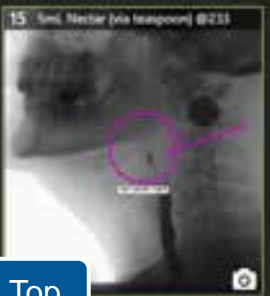
- Click the Camera icon on the toolbar
- Select “Create Image Snapshot” from the Series menu
- Press F12 on the keyboard

A single image will be saved to the end of the study with your annotations.



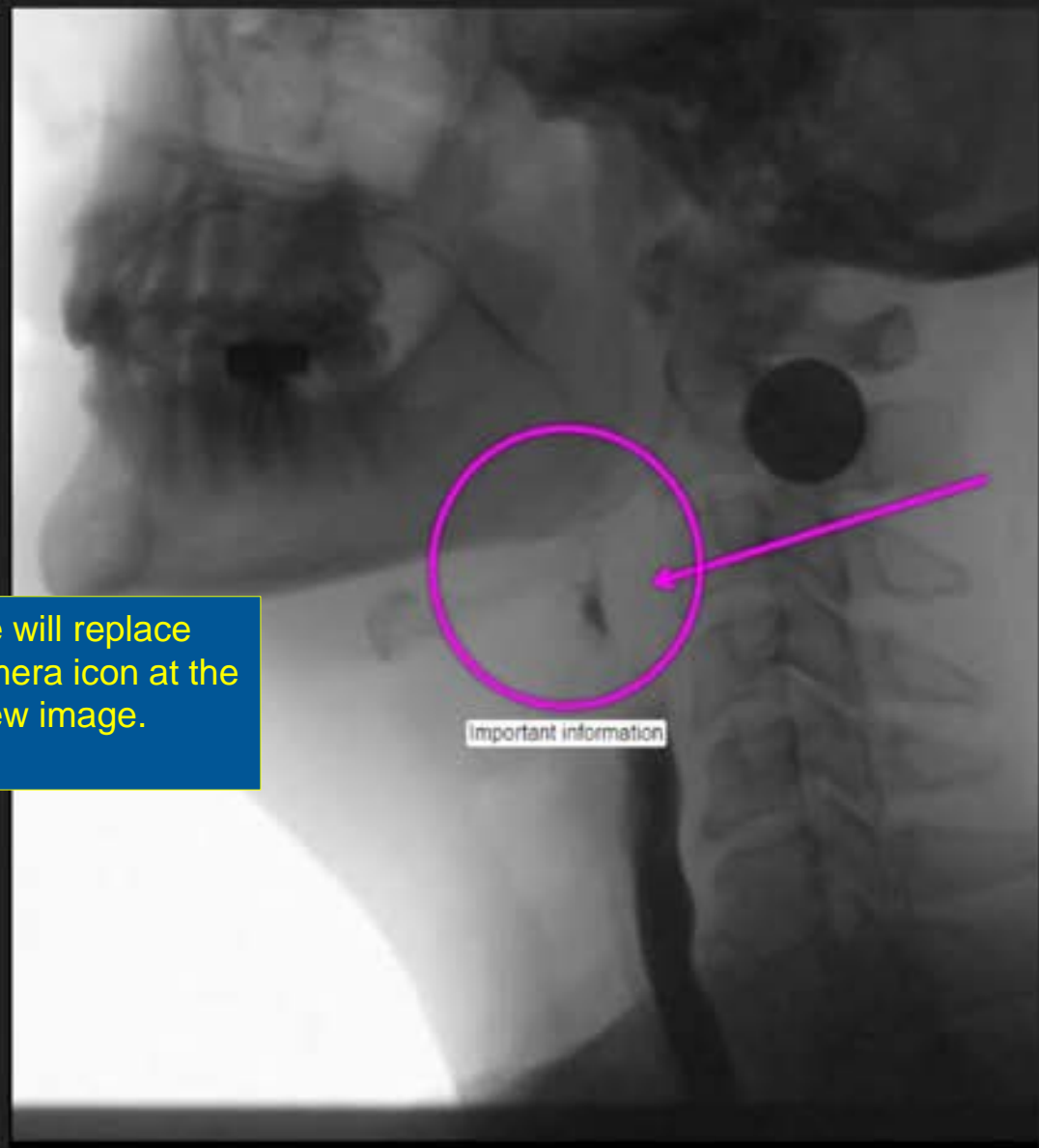
This single snap image can be sent with the study to PACS or any destination. By default, TMS adds the frame number and lists the series number from where the image was extracted. Click the "x" to change this information and gain access the label sets or type in the line field to add more information as needed.

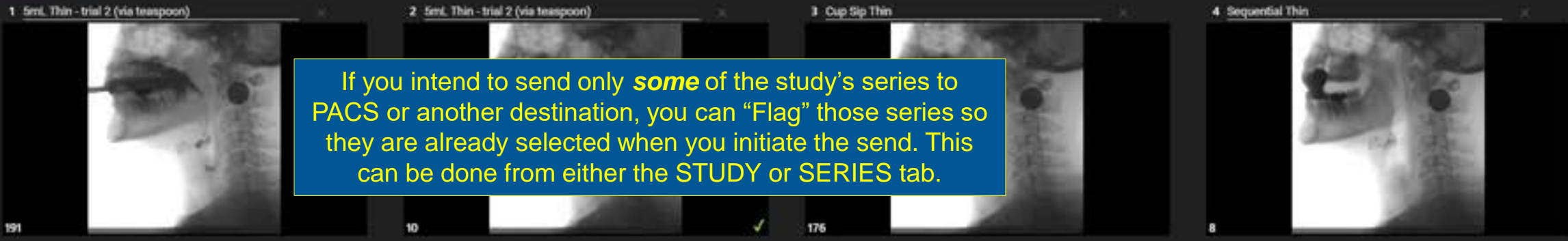
Enter Label
5ml Nectar (via teaspoon) @26
CANCEL OK



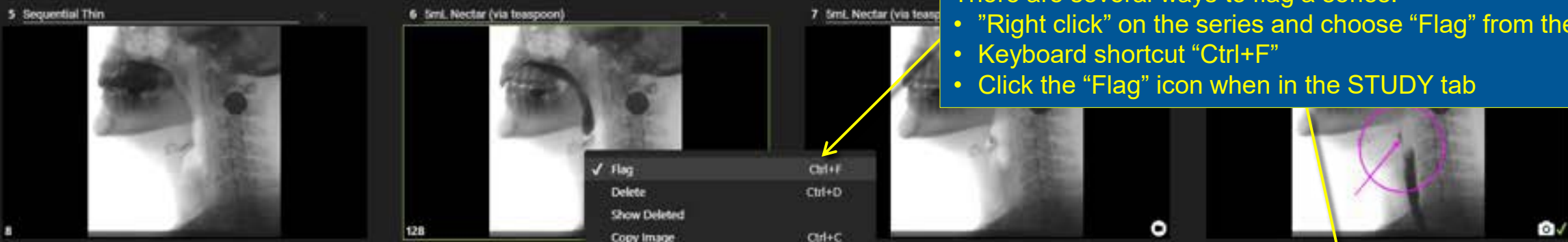
Top

The single snap image will replace the original. Note the Camera icon at the bottom left of the new image.





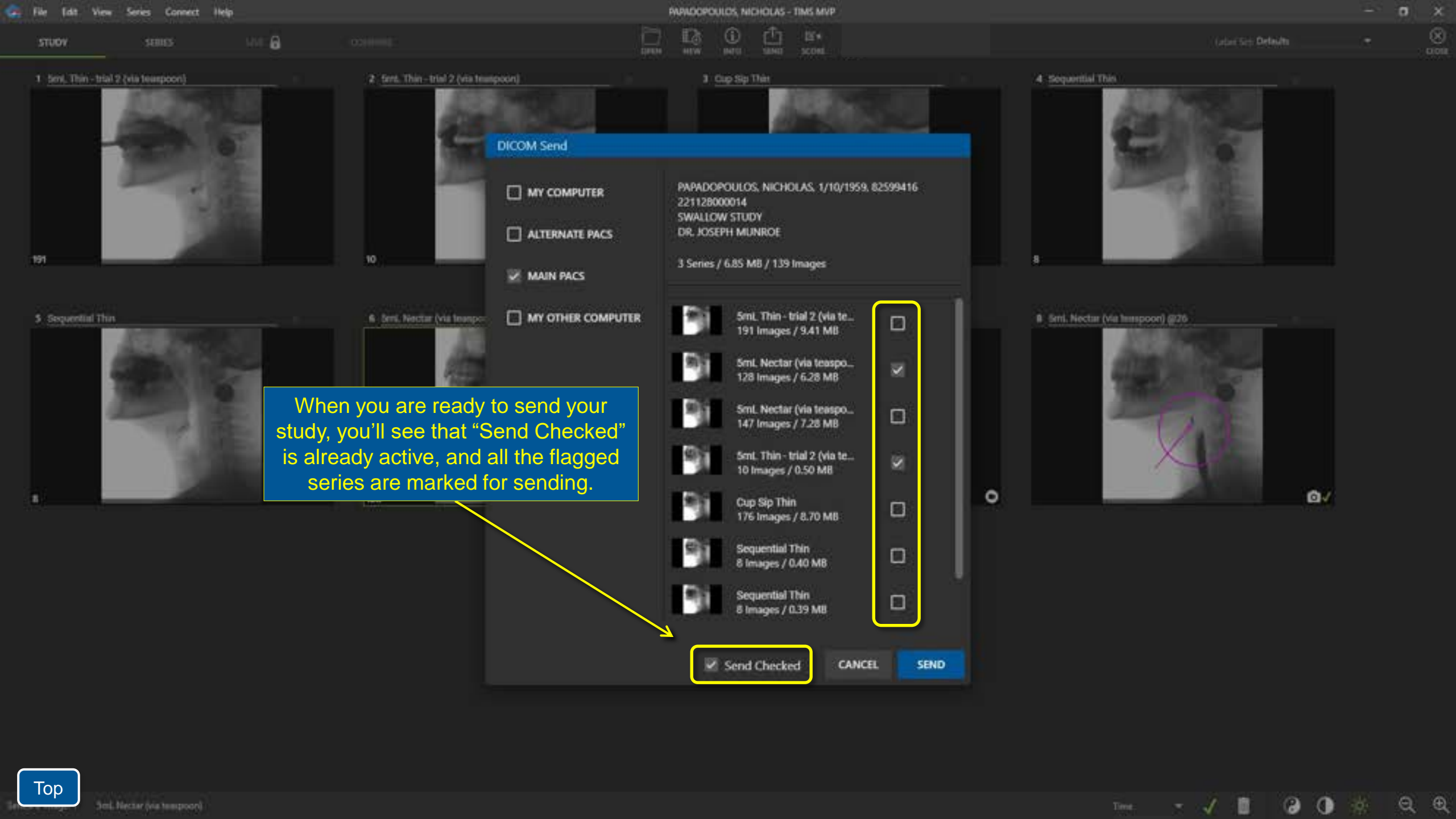
If you intend to send only **some** of the study's series to PACS or another destination, you can "Flag" those series so they are already selected when you initiate the send. This can be done from either the STUDY or SERIES tab.



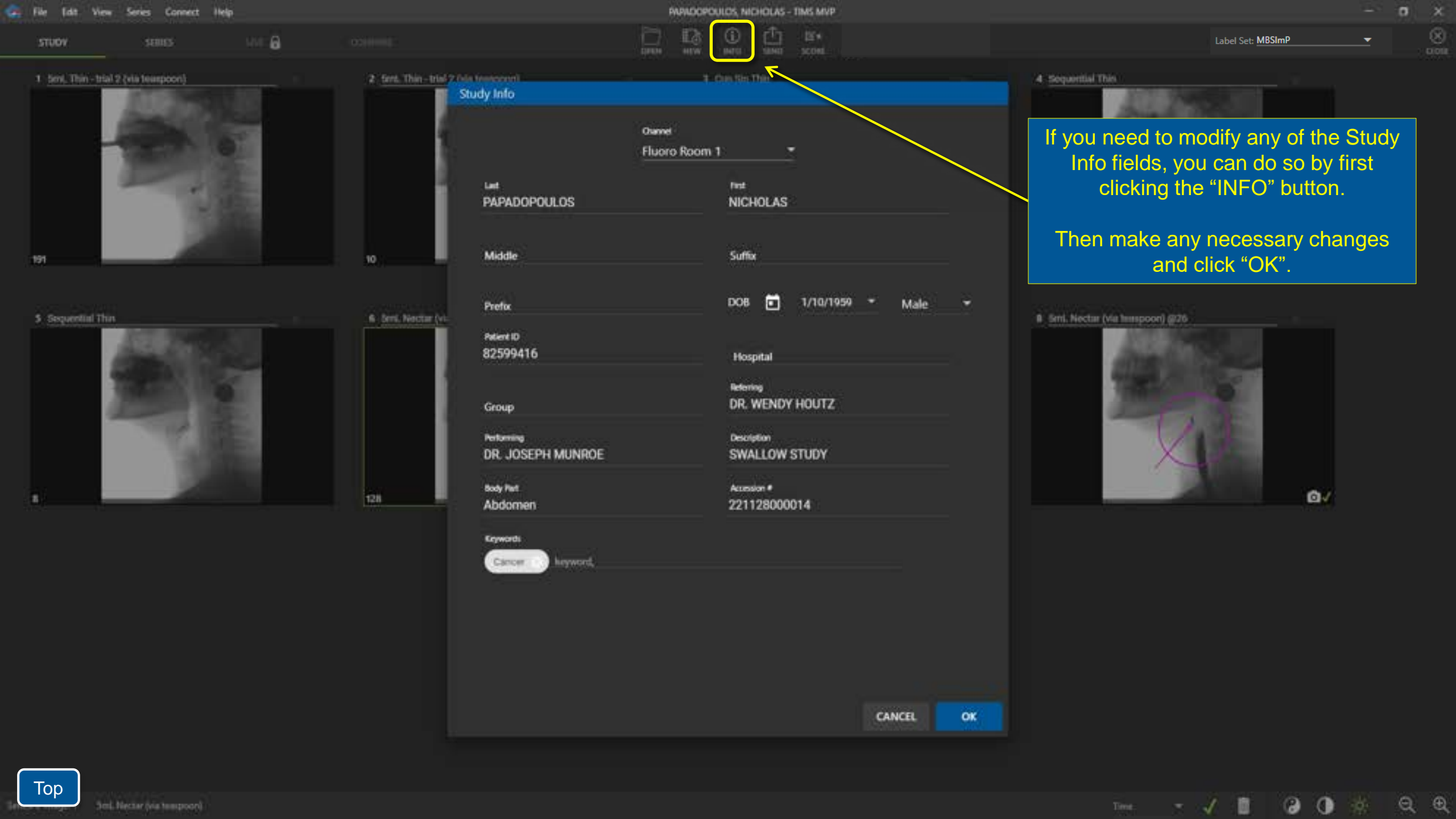
There are several ways to flag a series:

- "Right click" on the series and choose "Flag" from the menu
- Keyboard shortcut "Ctrl+F"
- Click the "Flag" icon when in the STUDY tab

- ✓ Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Copy Image Ctrl+C
- Copy Image with ACL... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Trim Leading Black Frames
- Export Image...
- Export Series as Video
- Enlarge/Zoom In Ctrl+=
- Shrink/Zoom Out Ctrl+-

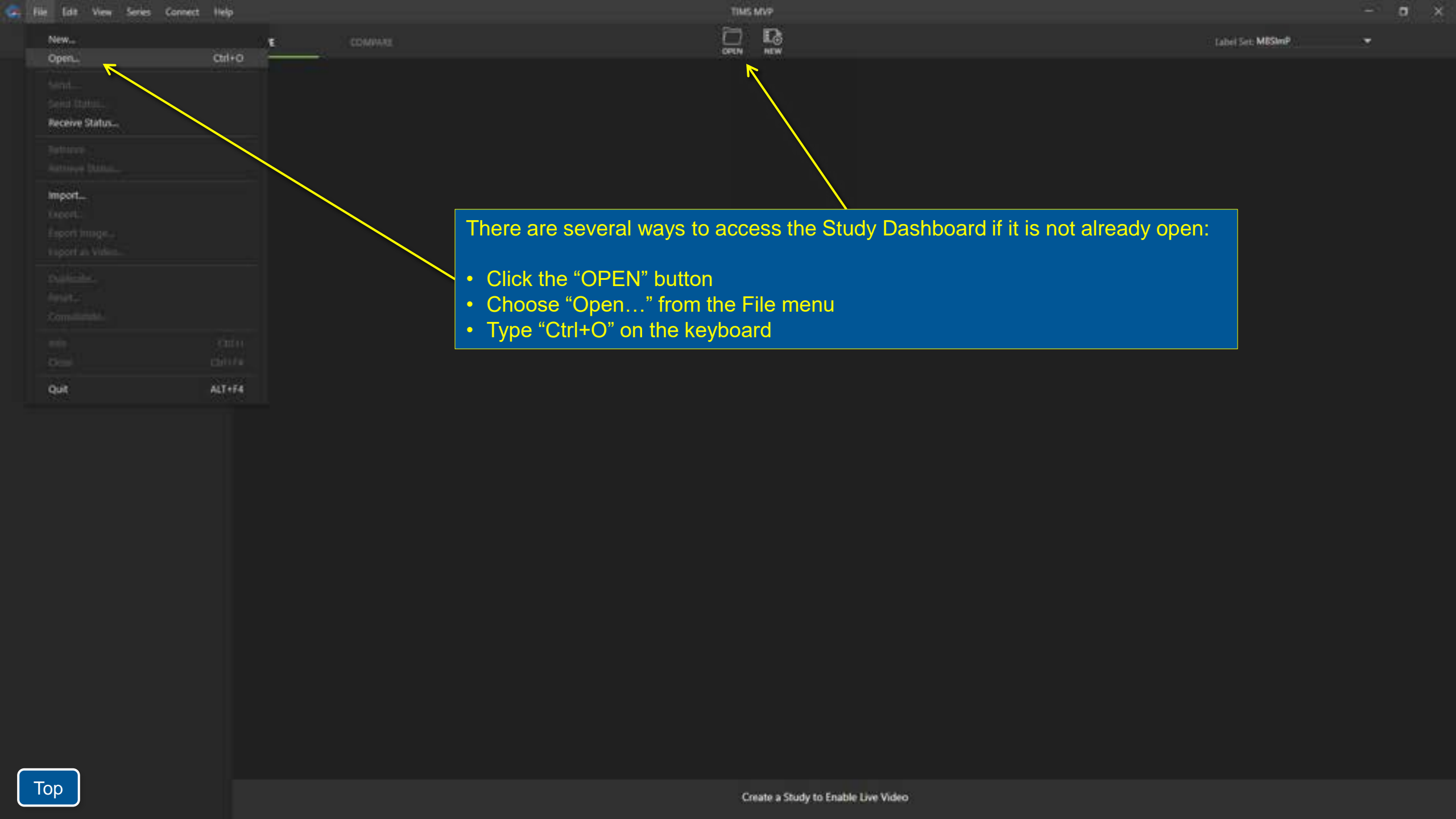


When you are ready to send your study, you'll see that "Send Checked" is already active, and all the flagged series are marked for sending.



If you need to modify any of the Study Info fields, you can do so by first clicking the "INFO" button. Then make any necessary changes and click "OK".

Reviewing a Study



There are several ways to access the Study Dashboard if it is not already open:

- Click the “OPEN” button
- Choose “Open...” from the File menu
- Type “Ctrl+O” on the keyboard

Study Dashboard

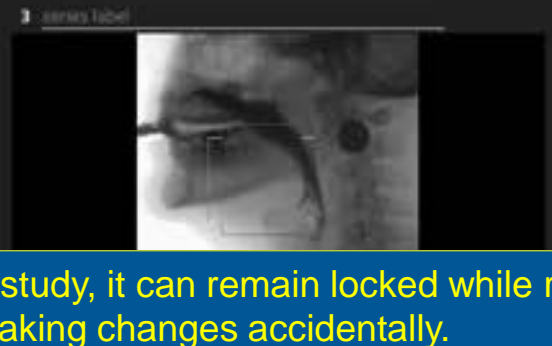
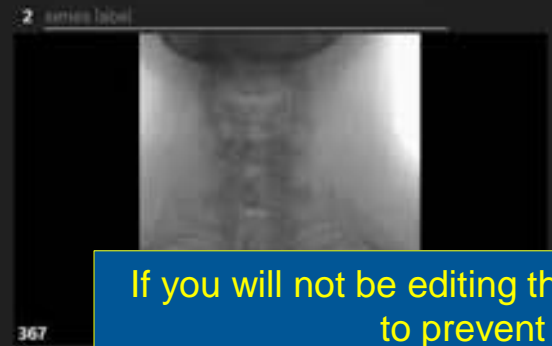
NEW BLANK STUDY... SEND...

STUDIES WORKLIST Study Count: 3 | 734.89 GB free

Patient ID	Last	First	DOB	Accession #	Series	Study Date	Size (MB)	Modality	Performing	Referring	Body Part	Description	Keywords
82599416	PARADOP...	NICHOLAS	1/10/1959	221209000014	14	12/9/2022	135	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	1/10/1959	221206000014	4	12/6/2022	29	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	1/10/1959	221128000014	8	11/29/2022	184	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer

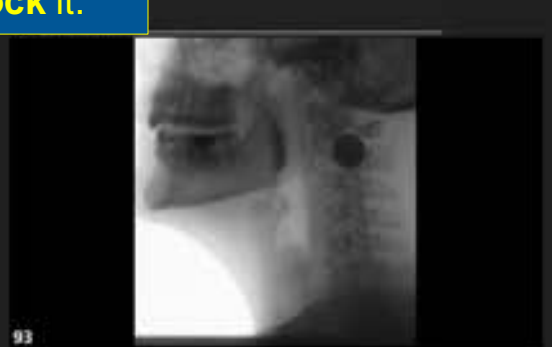
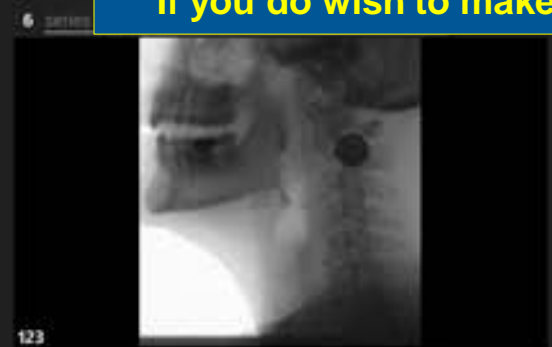
Select your study from the STUDIES list. Then you can either “double click”, press “Enter” on the keyboard, or click the “OPEN...” button.

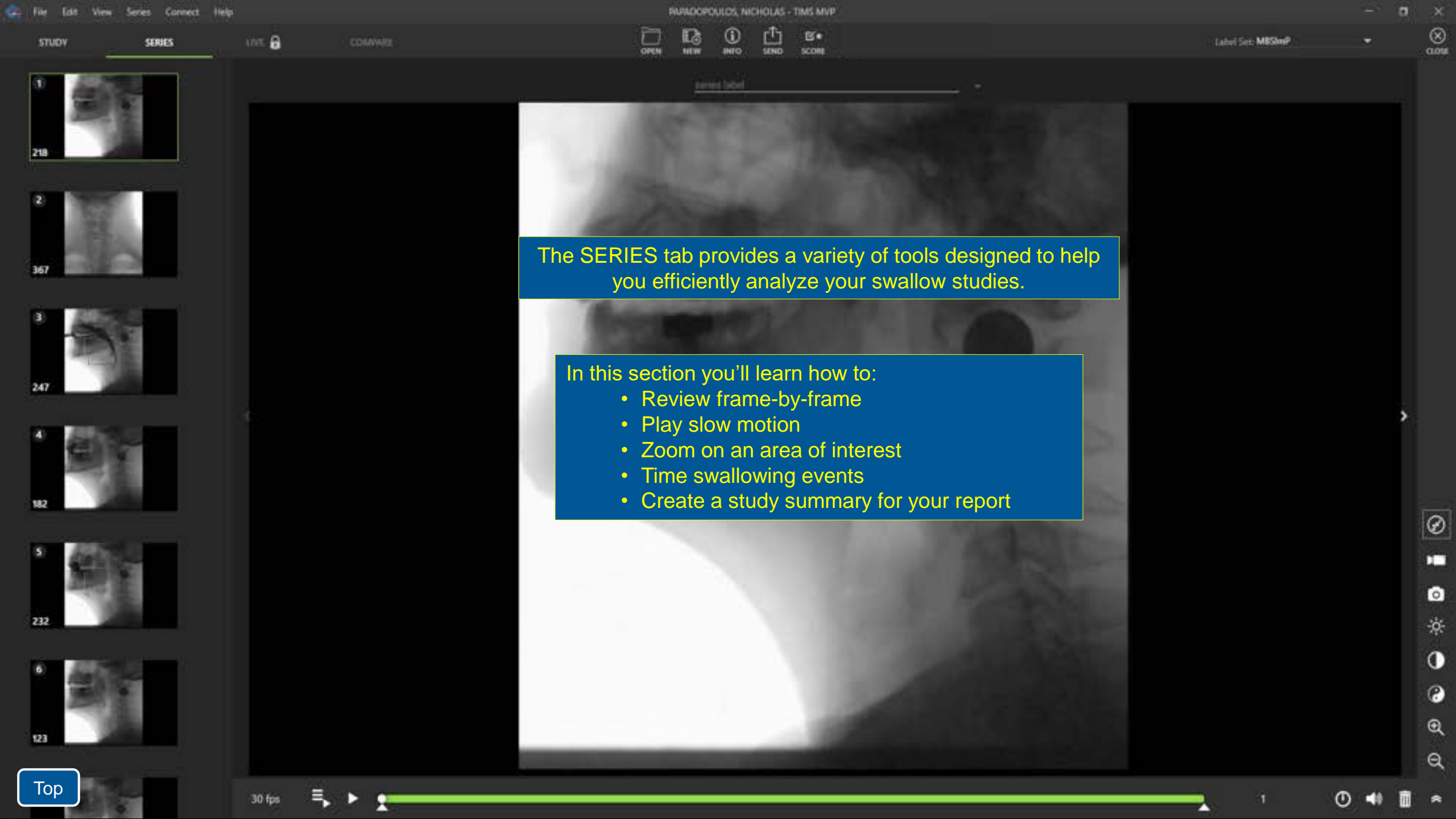
As with the Worklist, you can use the filtering option to quickly find your patient.



If you will not be editing the study, it can remain locked while reviewing to prevent making changes accidentally.

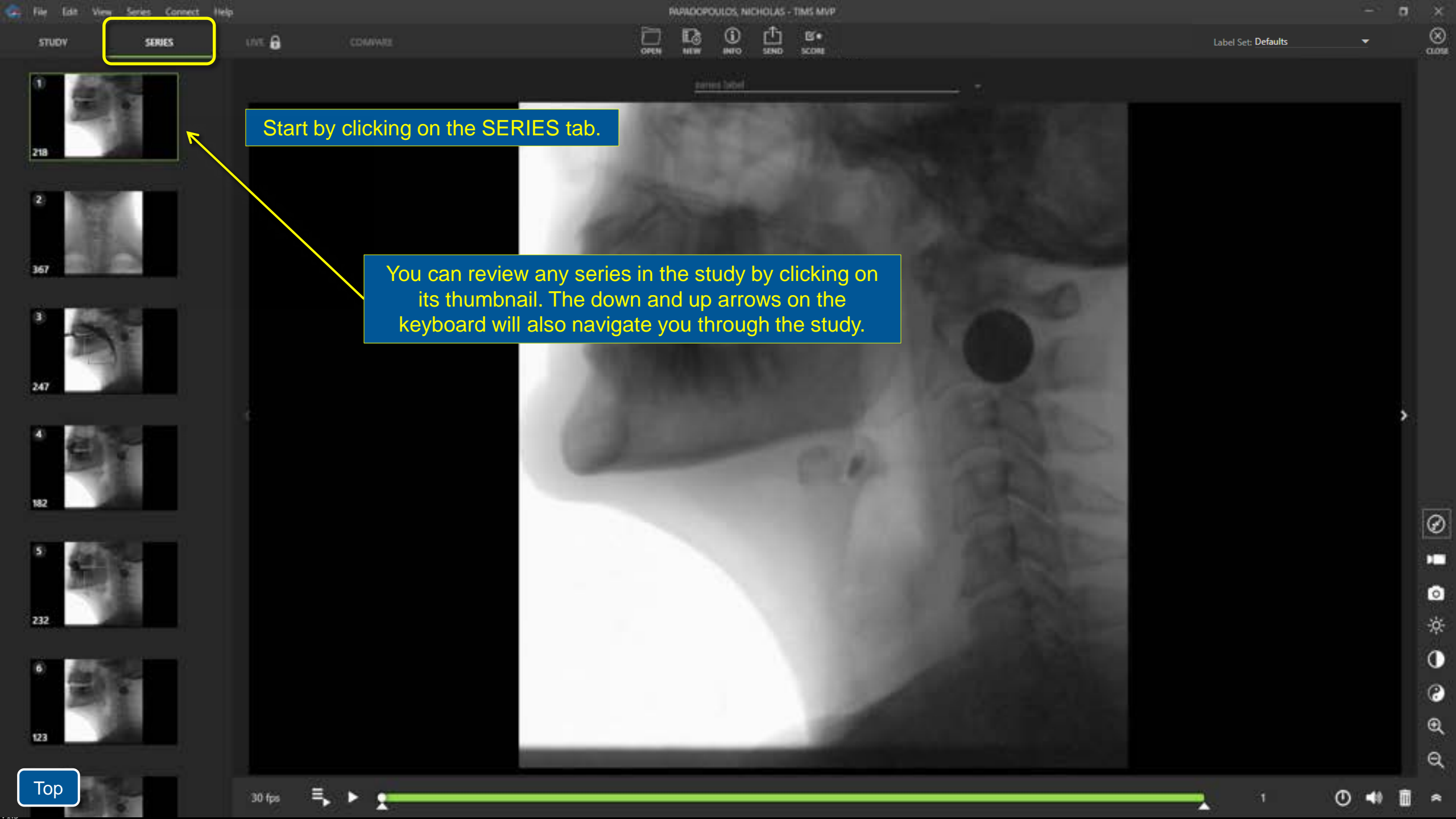
If you do wish to make edits, click the green padlock to **unlock** it.





The SERIES tab provides a variety of tools designed to help you efficiently analyze your swallow studies.

- In this section you'll learn how to:
- Review frame-by-frame
 - Play slow motion
 - Zoom on an area of interest
 - Time swallowing events
 - Create a study summary for your report



SERIES

Start by clicking on the SERIES tab.

You can review any series in the study by clicking on its thumbnail. The down and up arrows on the keyboard will also navigate you through the study.

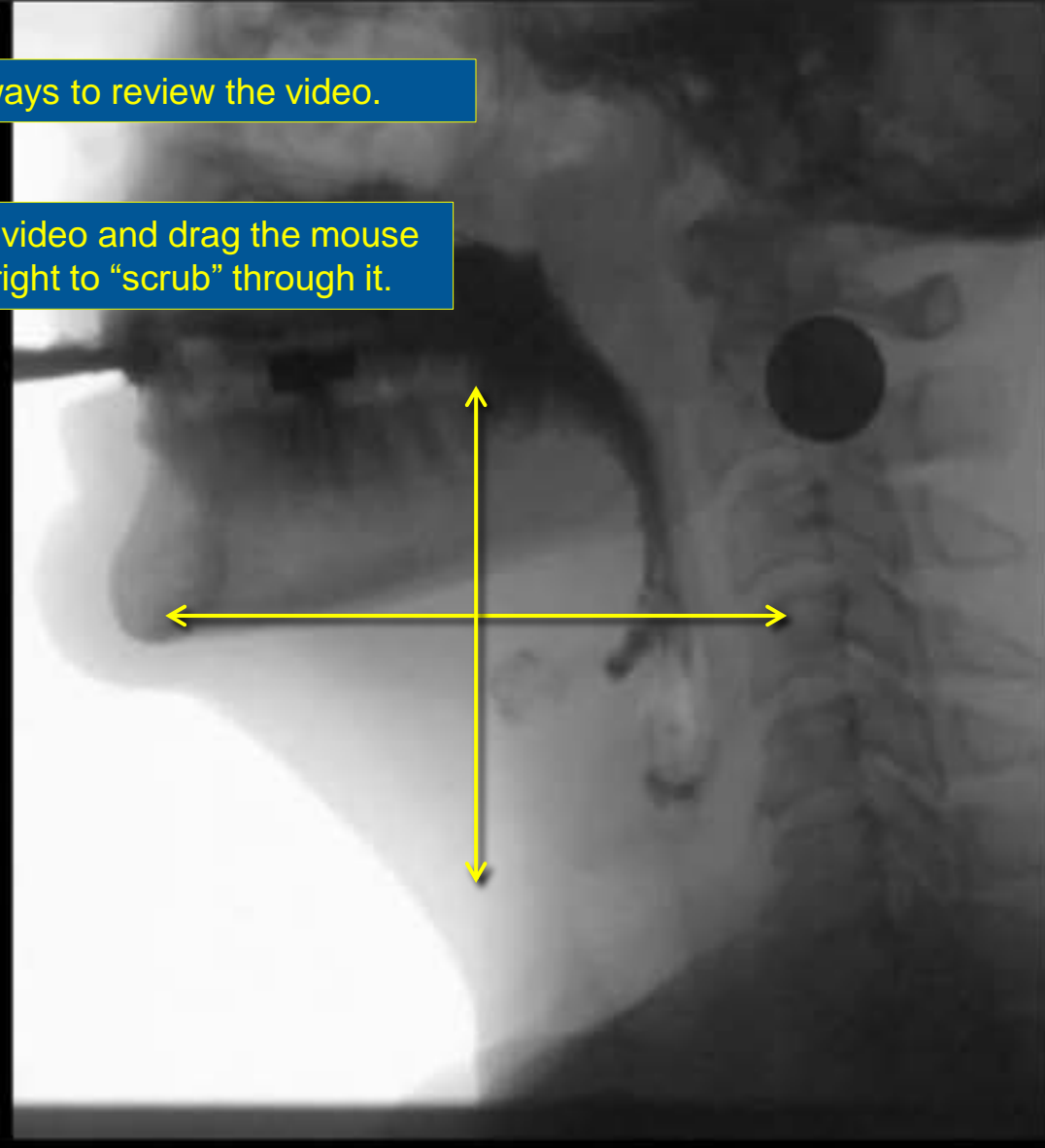
Top

30 fps [playback controls] 1 [status icons]

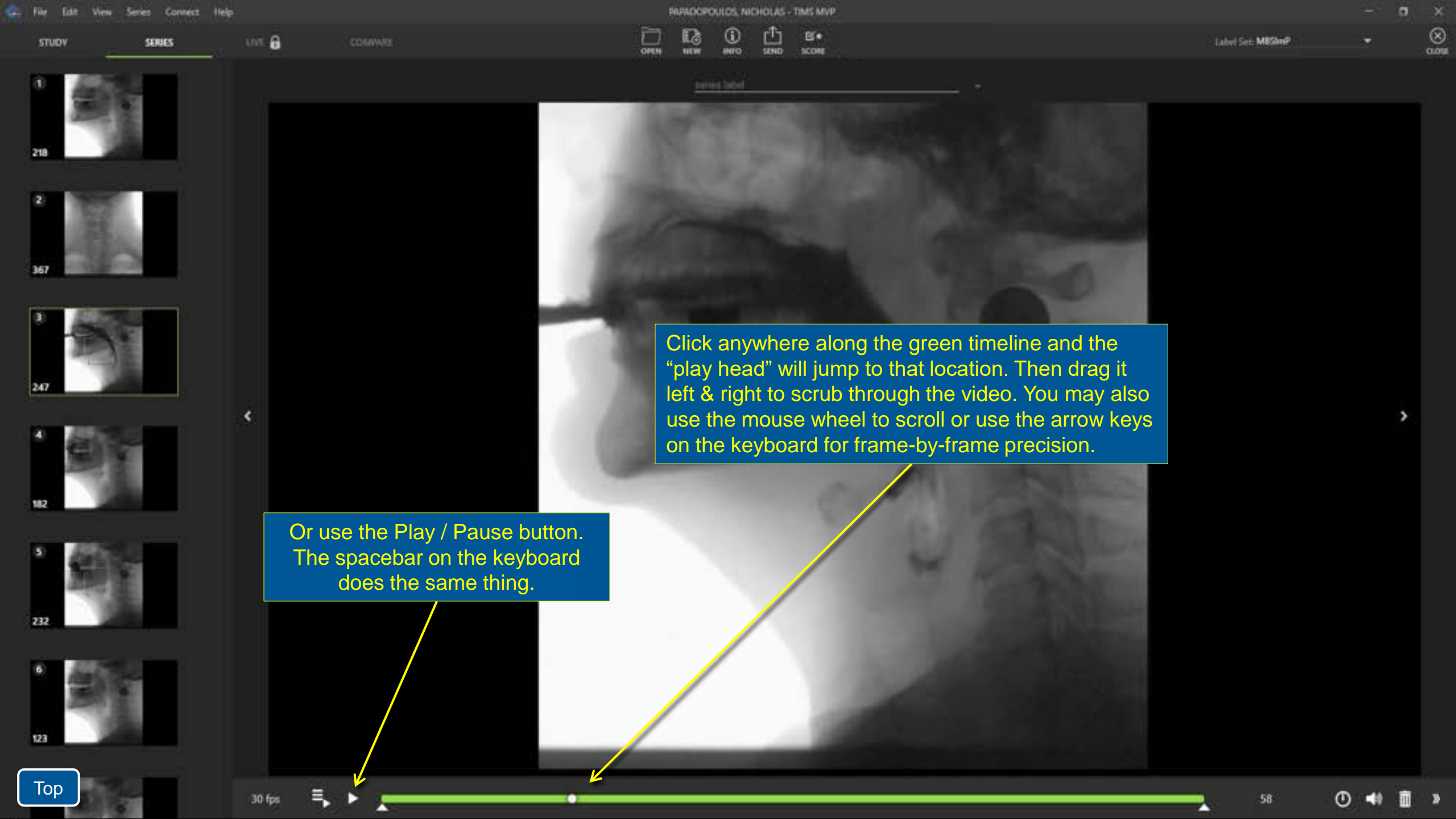


There are several ways to review the video.

Click anywhere in the video and drag the mouse up & down or left & right to "scrub" through it.



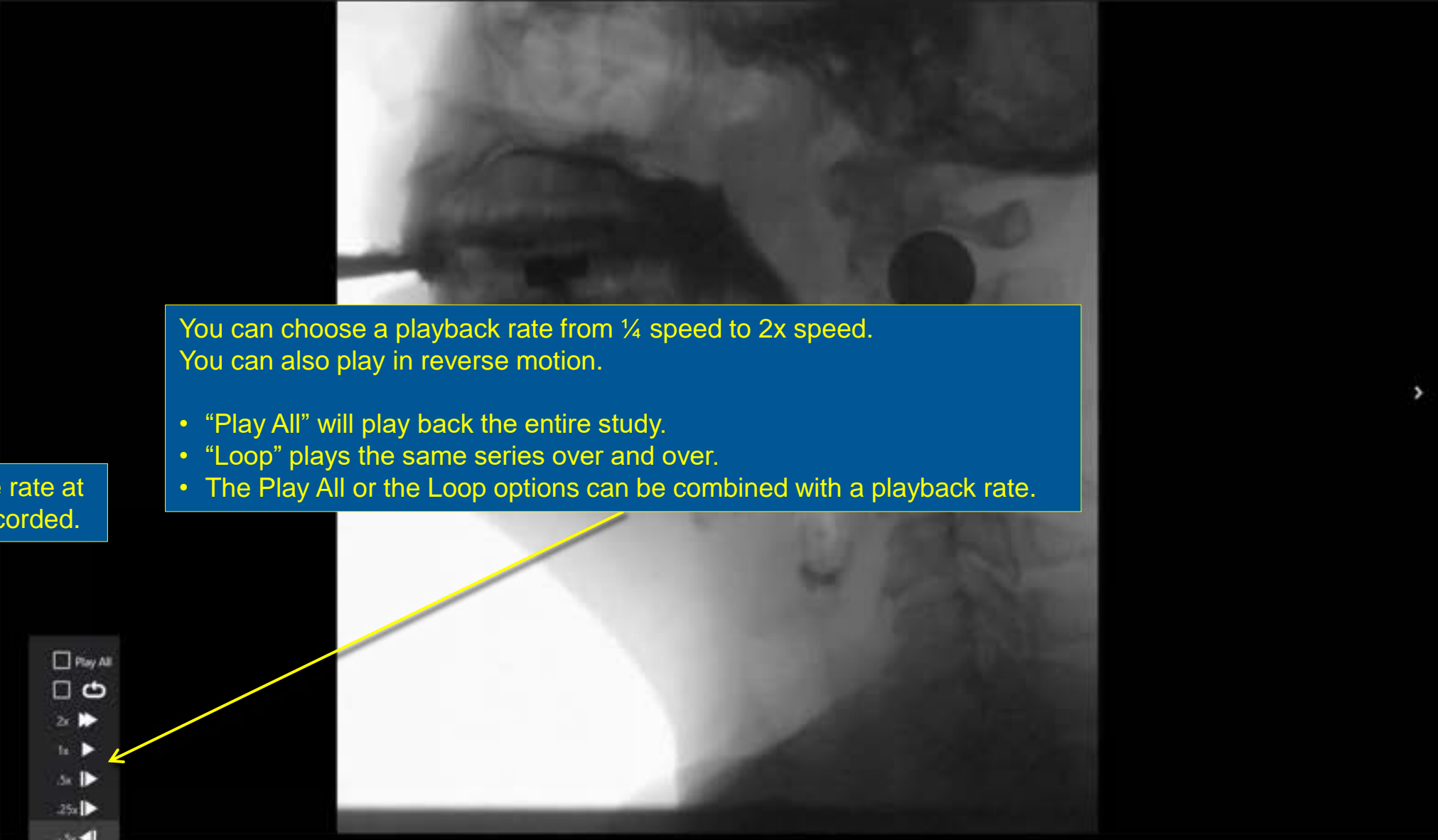
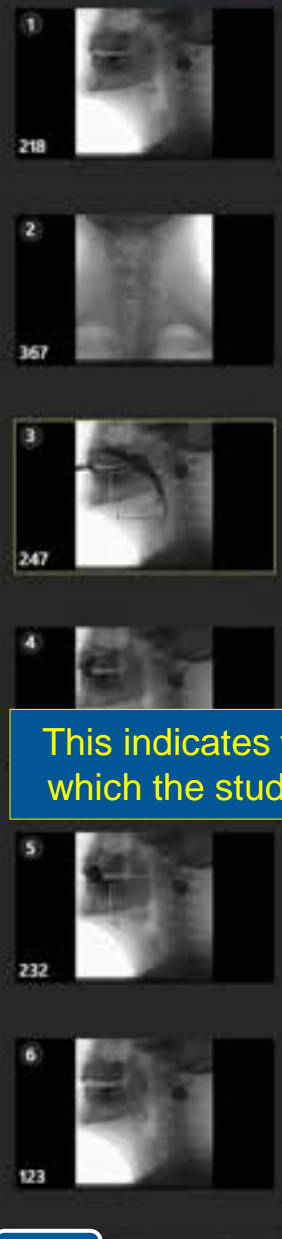
Top



Click anywhere along the green timeline and the "play head" will jump to that location. Then drag it left & right to scrub through the video. You may also use the mouse wheel to scroll or use the arrow keys on the keyboard for frame-by-frame precision.

Or use the Play / Pause button. The spacebar on the keyboard does the same thing.

Top



You can choose a playback rate from 1/4 speed to 2x speed. You can also play in reverse motion.

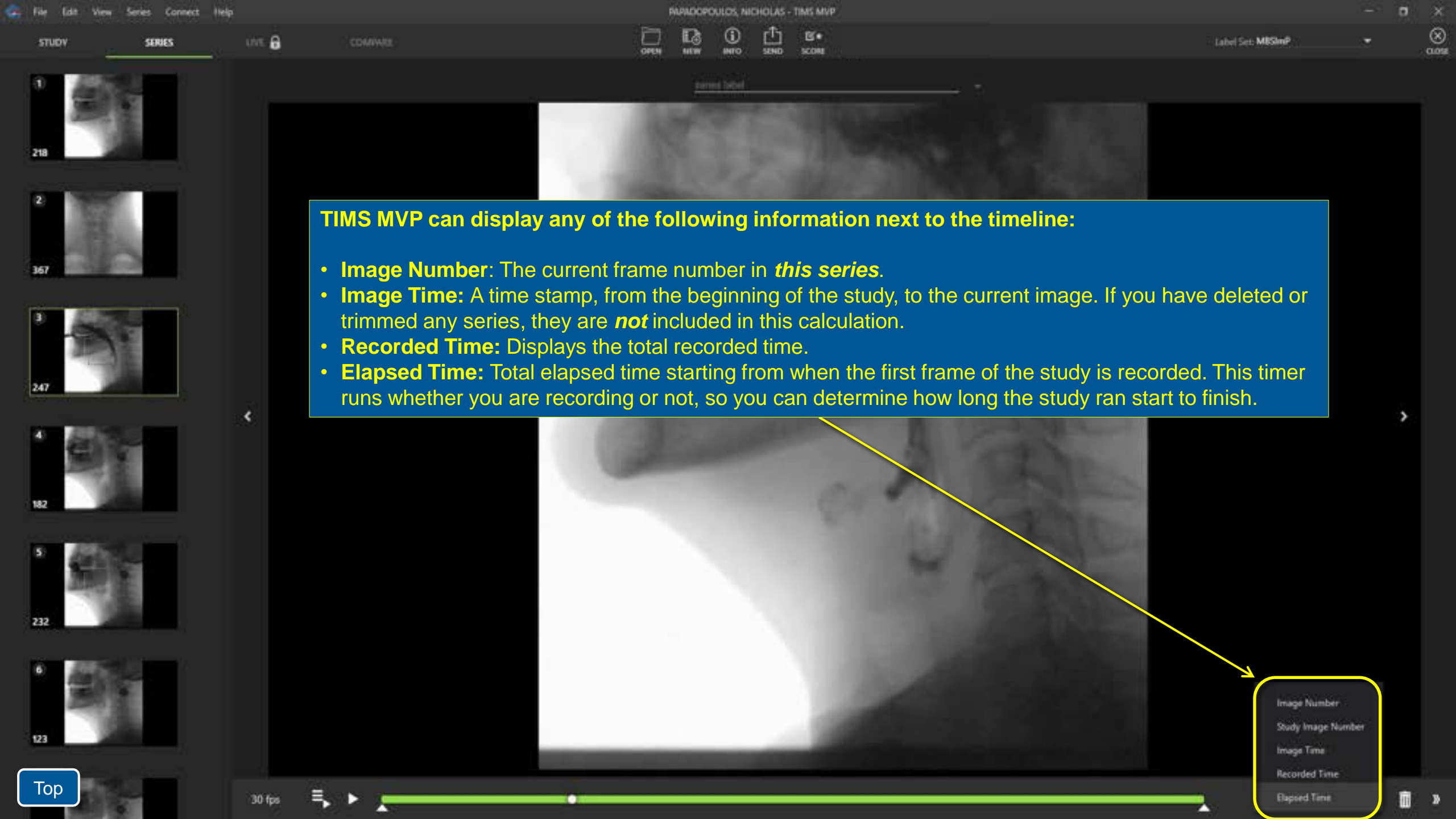
- "Play All" will play back the entire study.
- "Loop" plays the same series over and over.
- The Play All or the Loop options can be combined with a playback rate.

This indicates the frame rate at which the study was recorded.

Top

30 fps

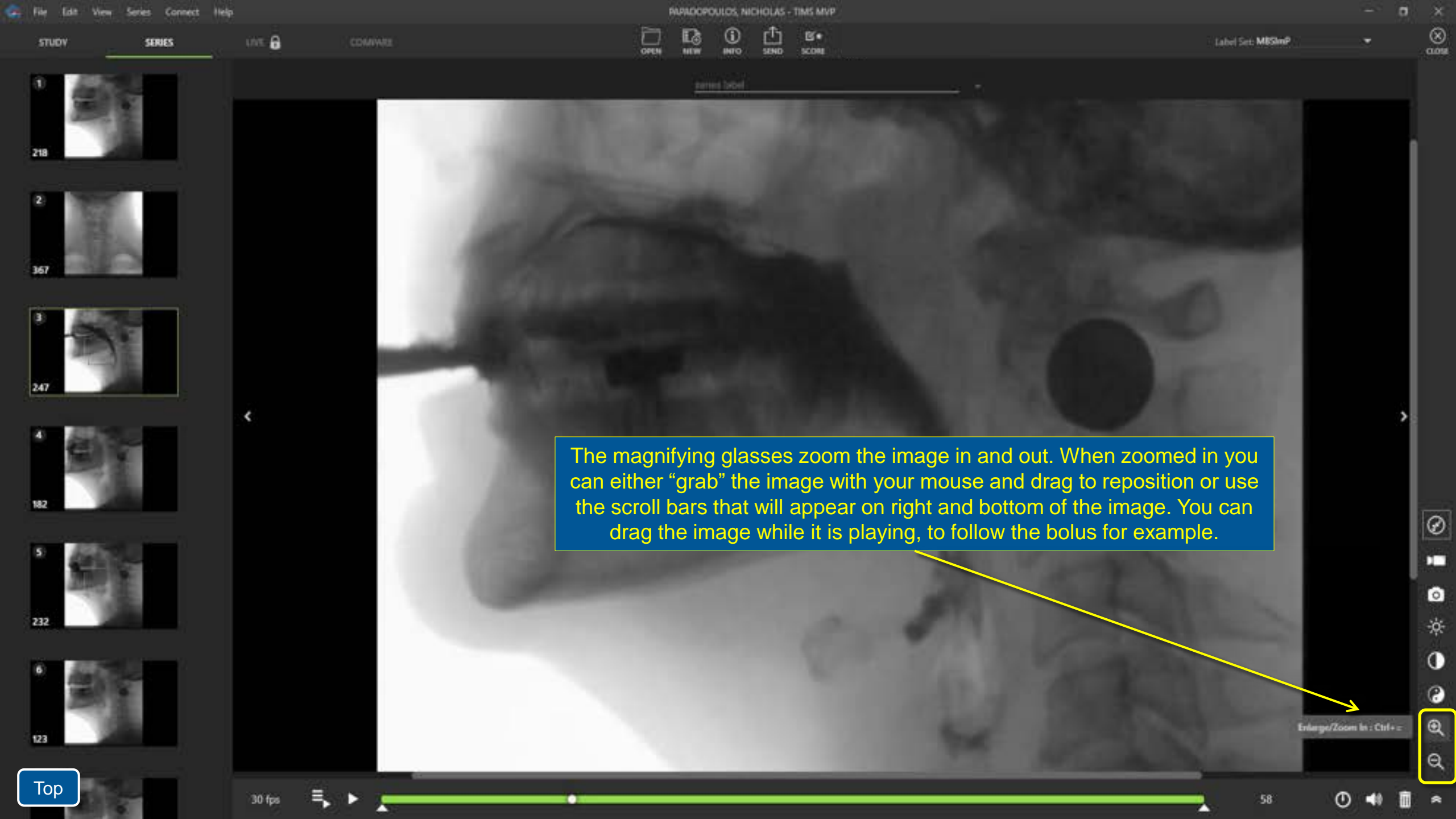
- Play All
- Loop
- 2x ▶▶
- 1x ▶
- .5x ▶
- .25x ▶
- .5x ◀
- 1x ◀◀



TIMS MVP can display any of the following information next to the timeline:

- **Image Number:** The current frame number in *this series*.
- **Image Time:** A time stamp, from the beginning of the study, to the current image. If you have deleted or trimmed any series, they are *not* included in this calculation.
- **Recorded Time:** Displays the total recorded time.
- **Elapsed Time:** Total elapsed time starting from when the first frame of the study is recorded. This timer runs whether you are recording or not, so you can determine how long the study ran start to finish.

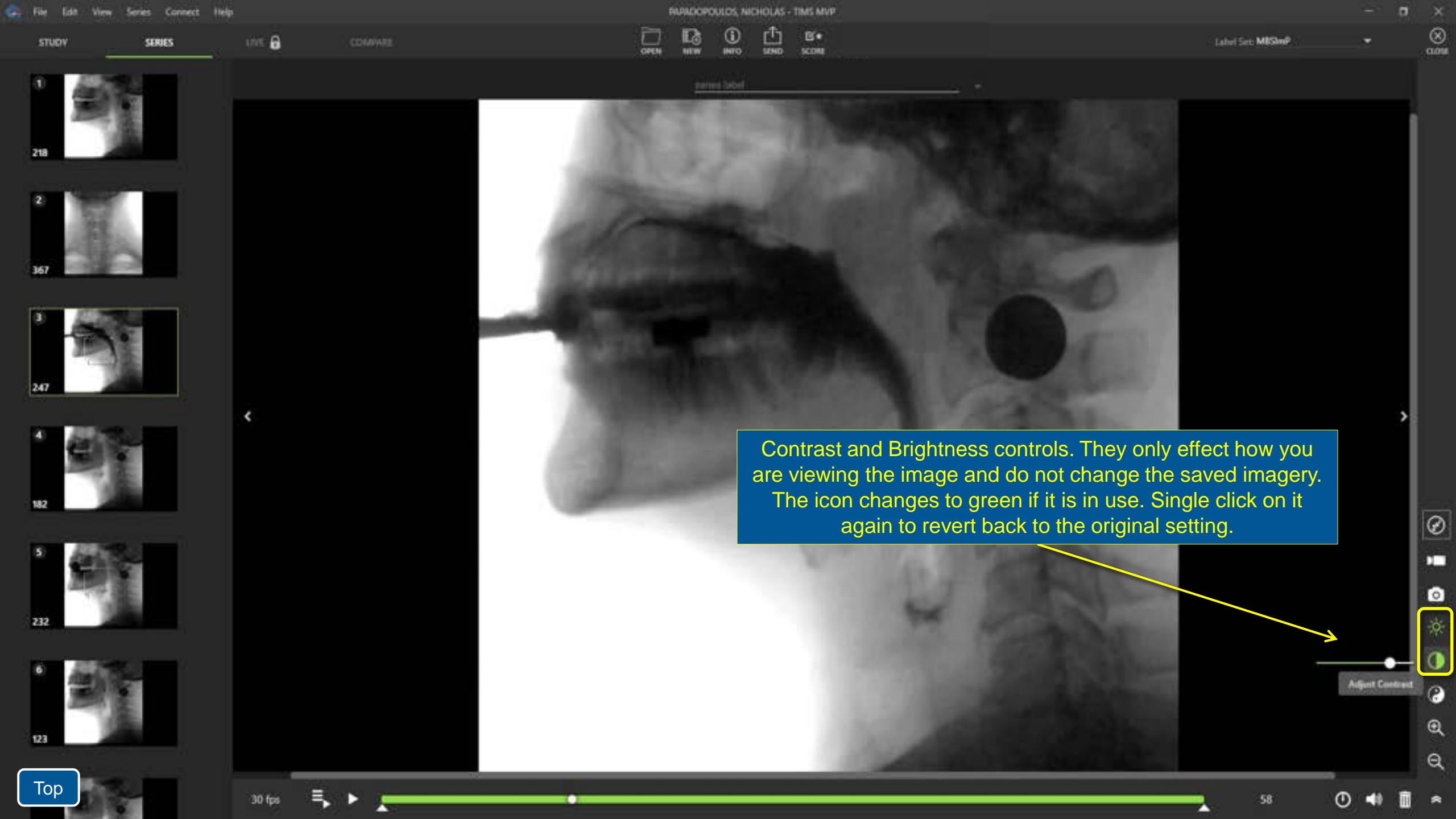
- Image Number
- Study Image Number
- Image Time
- Recorded Time
- Elapsed Time



The magnifying glasses zoom the image in and out. When zoomed in you can either "grab" the image with your mouse and drag to reposition or use the scroll bars that will appear on right and bottom of the image. You can drag the image while it is playing, to follow the bolus for example.

Top

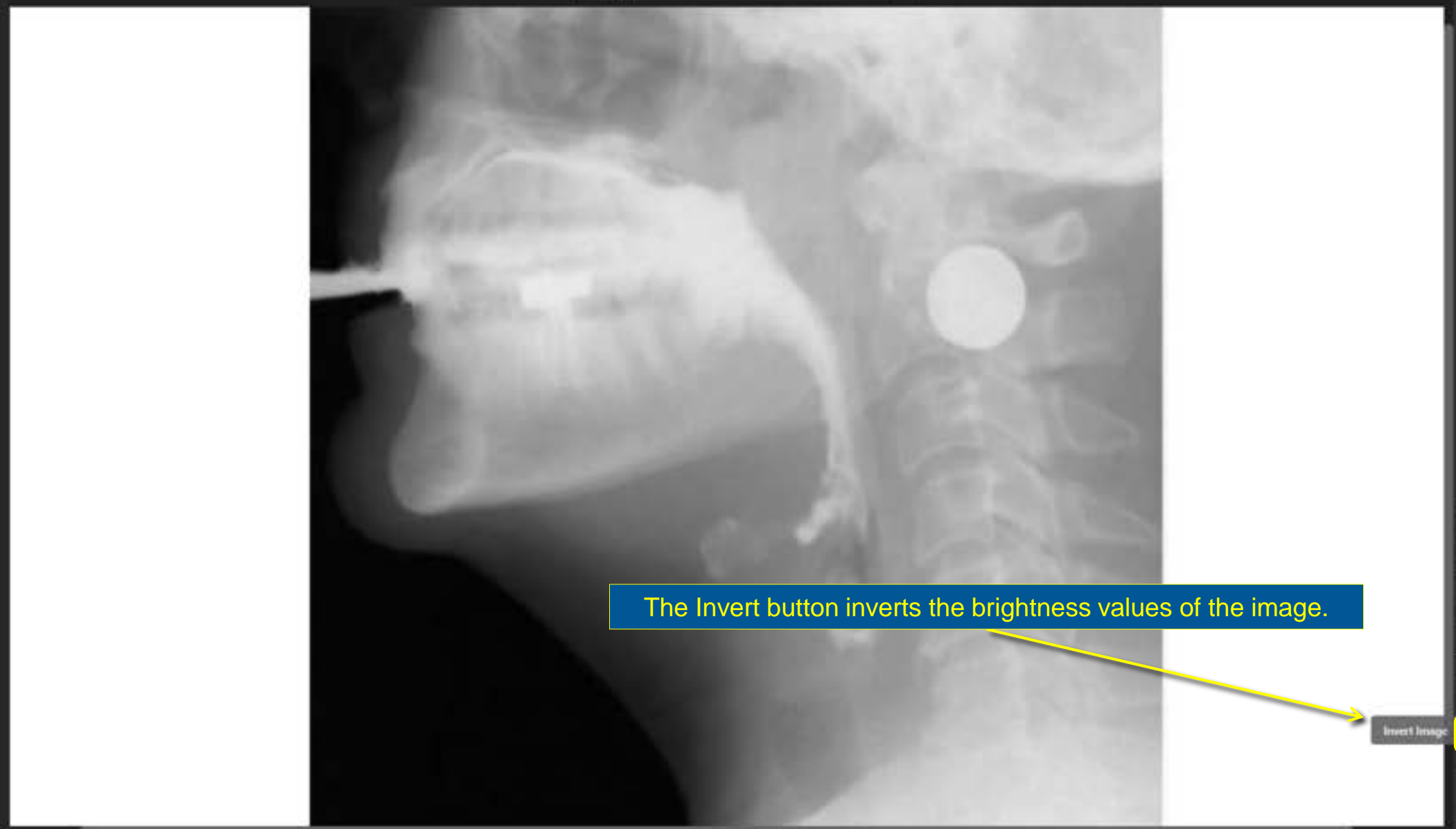
Enlarge/Zoom In : Ctrl + =



Contrast and Brightness controls. They only effect how you are viewing the image and do not change the saved imagery. The icon changes to green if it is in use. Single click on it again to revert back to the original setting.

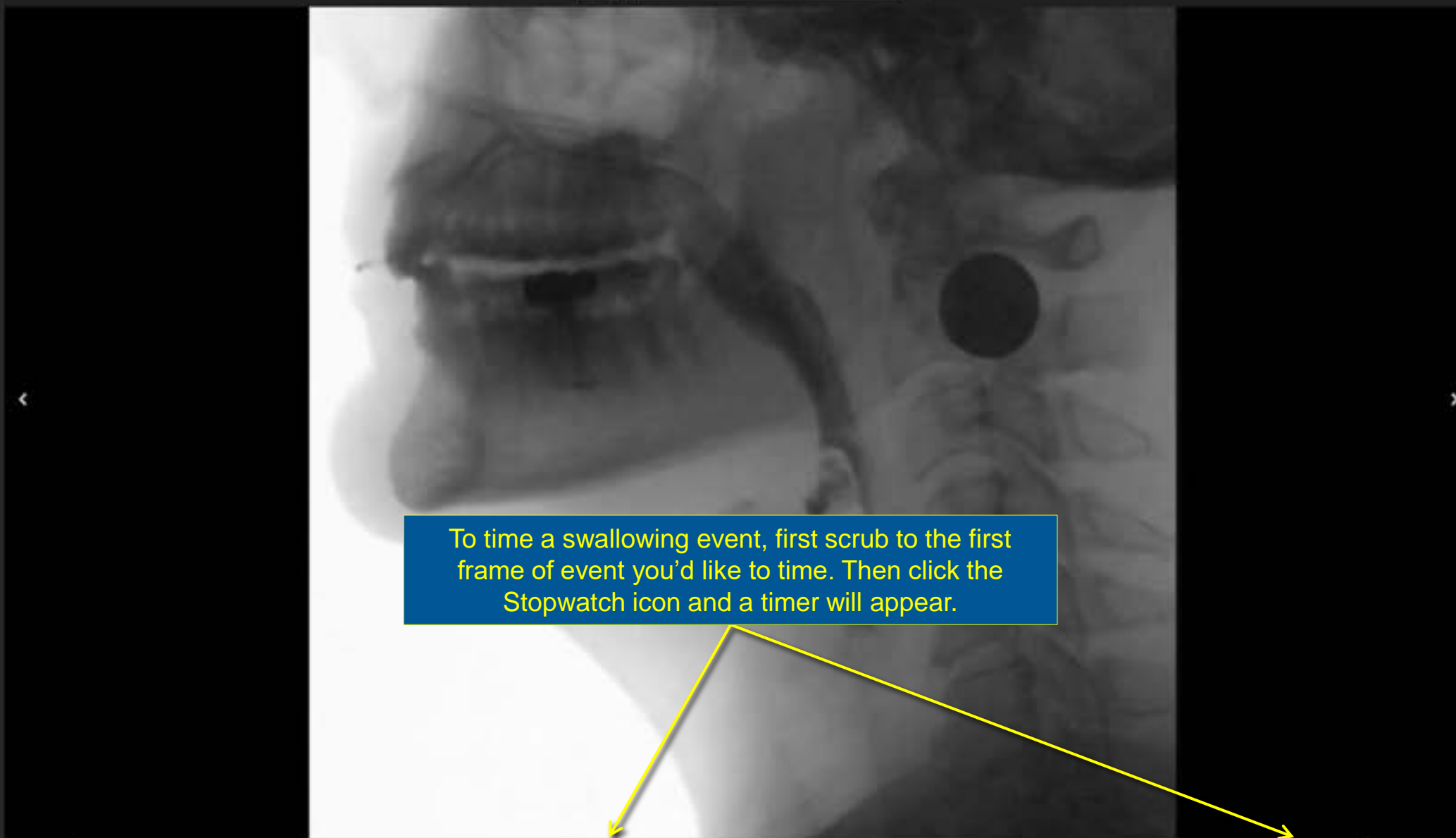


Top



The Invert button inverts the brightness values of the image.

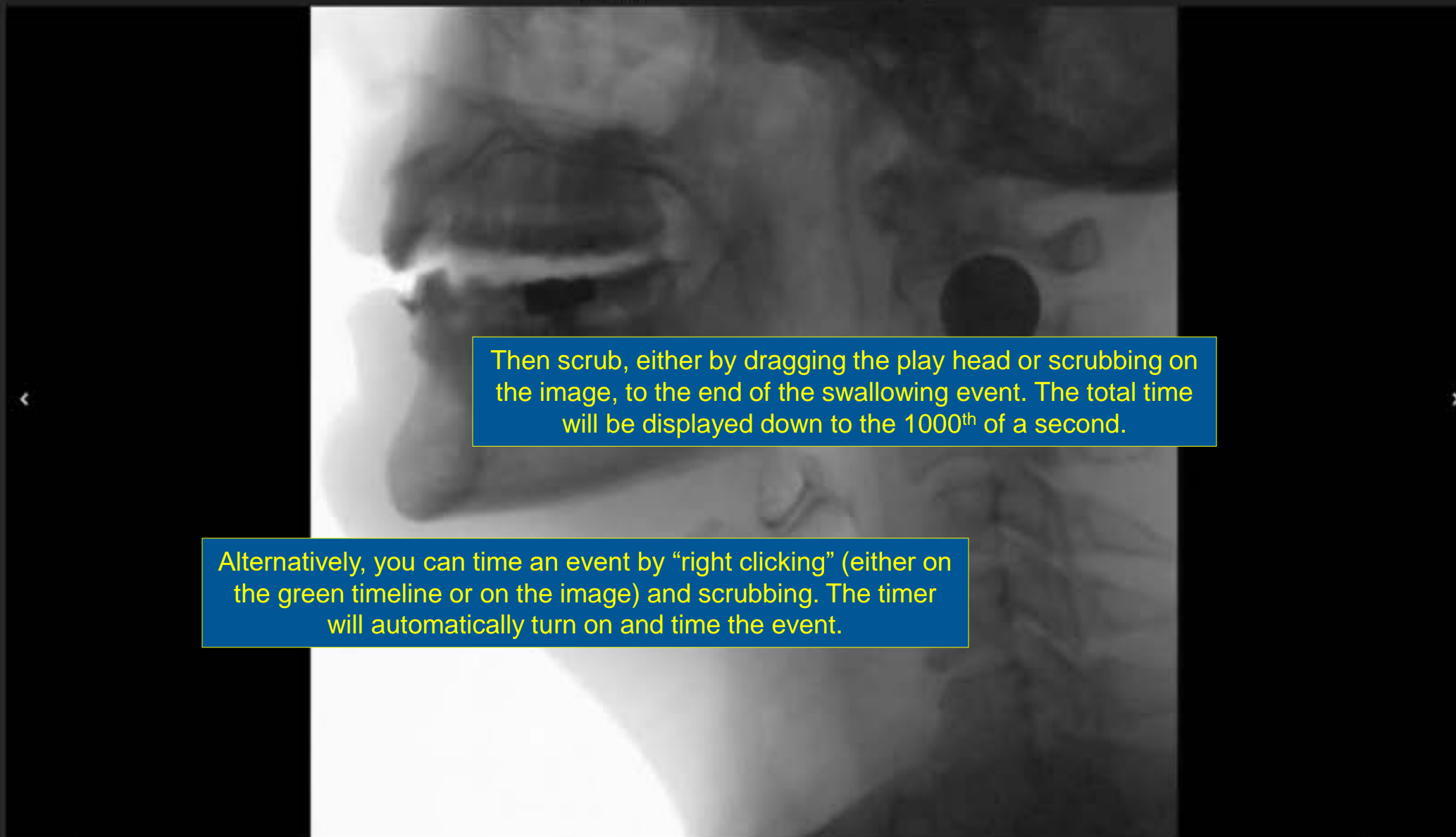


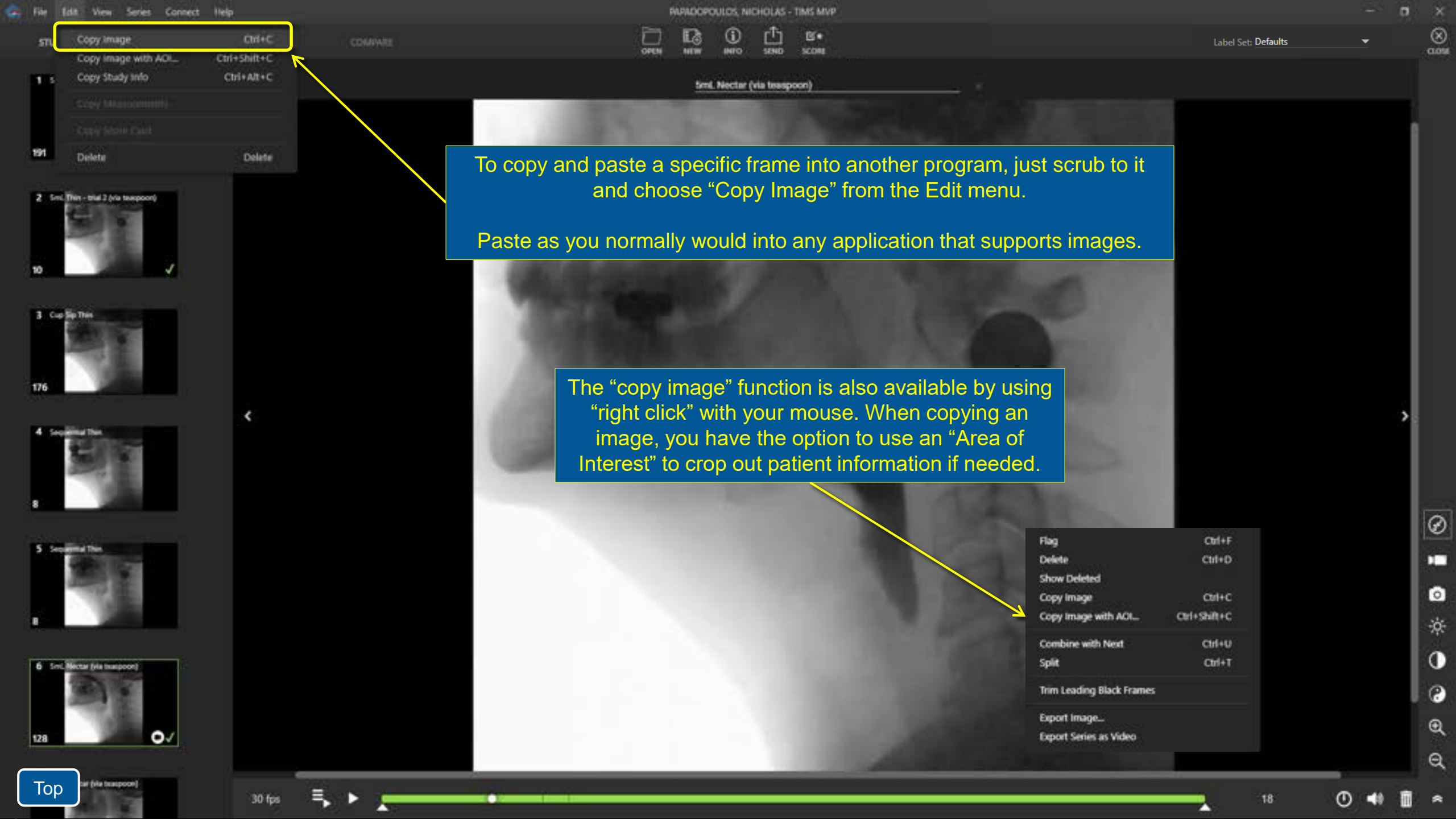


To time a swallowing event, first scrub to the first frame of event you'd like to time. Then click the Stopwatch icon and a timer will appear.

Top





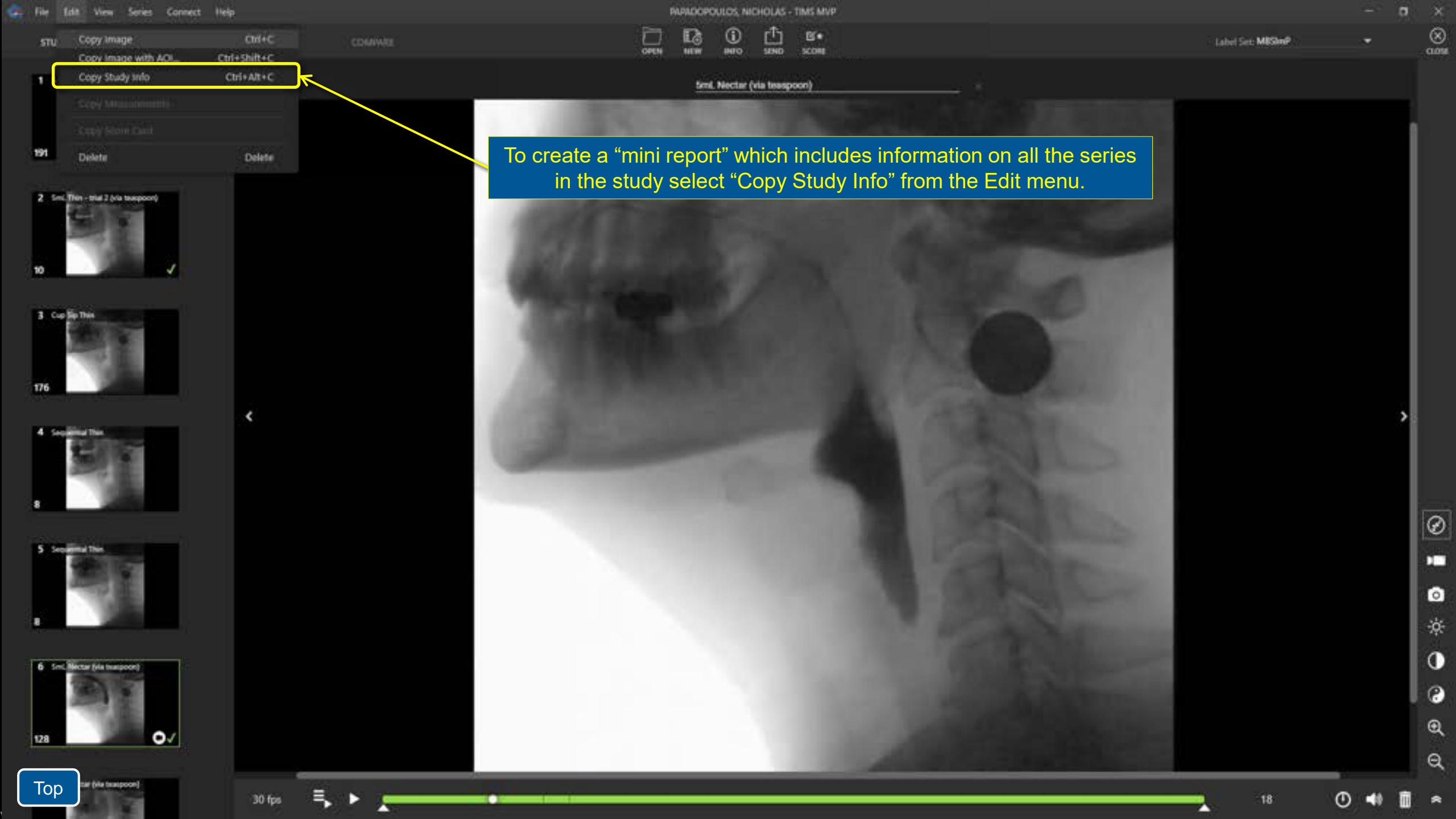


To copy and paste a specific frame into another program, just scrub to it and choose “Copy Image” from the Edit menu.

Paste as you normally would into any application that supports images.

The “copy image” function is also available by using “right click” with your mouse. When copying an image, you have the option to use an “Area of Interest” to crop out patient information if needed.

- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Copy Image Ctrl+C
- Copy Image with AOI... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Split Ctrl+T
- Trim Leading Black Frames
- Export Image...
- Export Series as Video



To create a "mini report" which includes information on all the series in the study select "Copy Study Info" from the Edit menu.

Key fields from the Study Info, along with a summary of all the series and any labels you've applied can then be pasted into most other applications.



PAPADOPOULOS, NICHOLAS
DOB: 1/10/1959

11/29/2022

DR. JOSEPH MUNROE
SWALLOW STUDY
Abdomen

Series Count: 8

Series: 1 - 191 Images - 5mL Thin - trial 2 (via teaspoon)

Series: 2 - 128 Images - 5mL Nectar (via teaspoon)

Series: 3 - 147 Images - 5mL Nectar (via teaspoon)

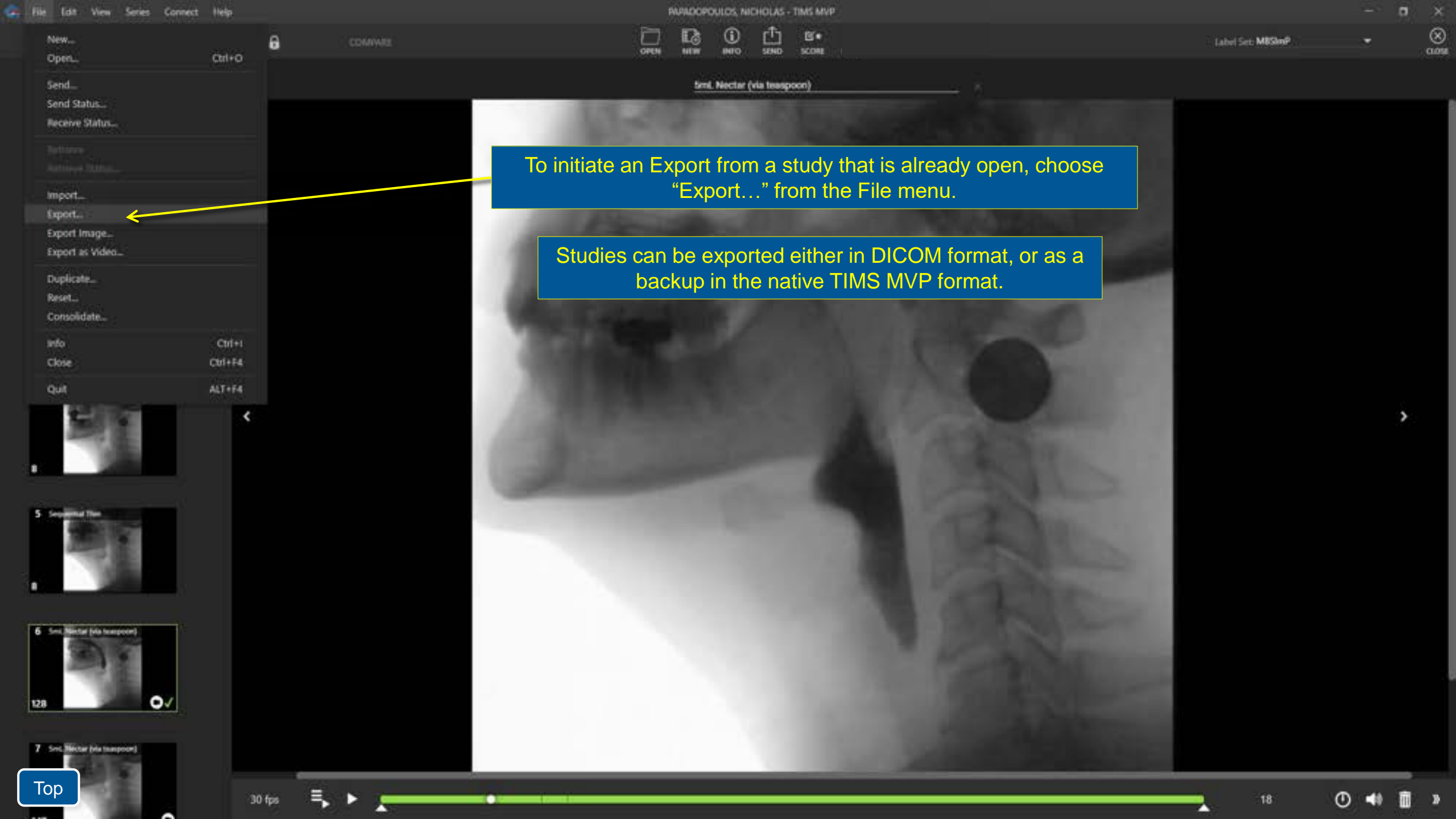
Series: 4 - 10 Images - 5mL Thin - trial 2 (via teaspoon)

Series: 5 - 1 Images - 5mL Nectar (via teaspoon) @26

Series: 6 - 176 Images - Cup Sip Thin

Series: 7 - 8 Images - Sequential Thin

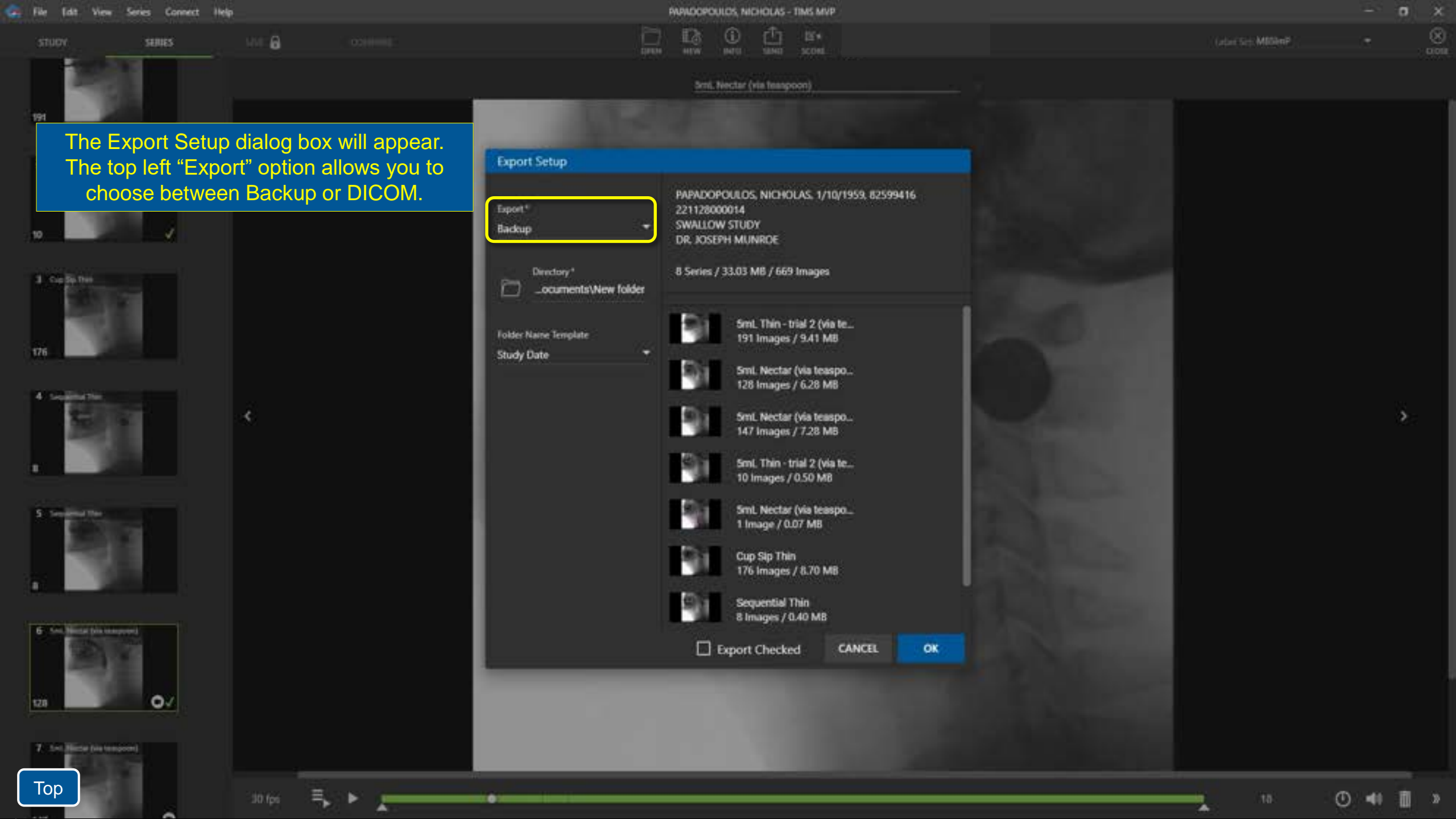
Exporting Studies



To initiate an Export from a study that is already open, choose "Export..." from the File menu.

Studies can be exported either in DICOM format, or as a backup in the native TIMS MVP format.

Top



The Export Setup dialog box will appear. The top left "Export" option allows you to choose between Backup or DICOM.

Export Setup

Export*
Backup

Directory*
..ocuments\New folder

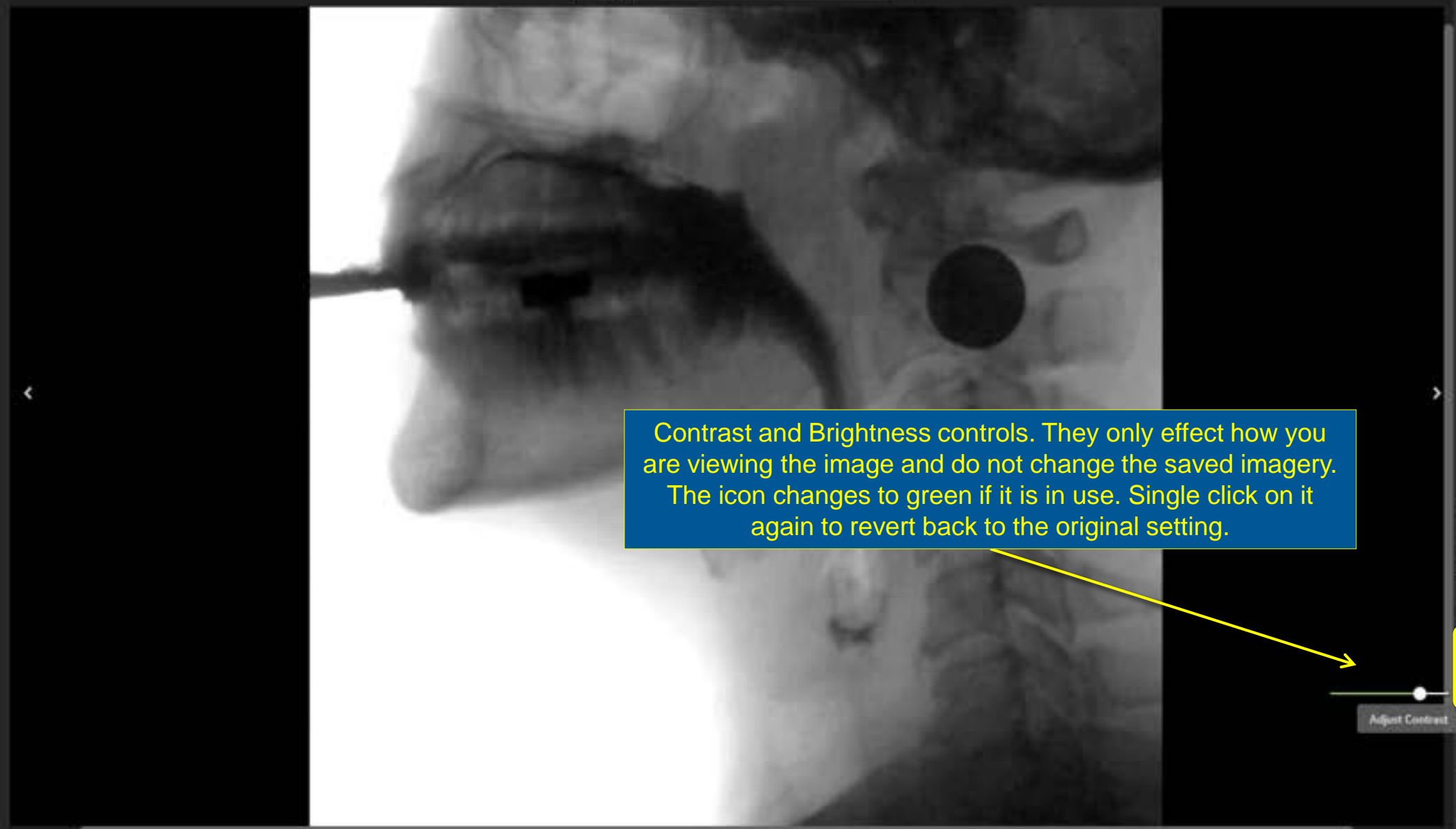
Folder Name Template
Study Date

PAPADOPOULOS, NICHOLAS, 1/10/1959, 82599416
221128000014
SWALLOW STUDY
DR. JOSEPH MUNROE

8 Series / 33.03 MB / 669 Images

- 5mL Thin - trial 2 (via te...
191 Images / 9.41 MB
- 5mL Nectar (via teasp...
128 Images / 6.28 MB
- 5mL Nectar (via teasp...
147 Images / 7.28 MB
- 5mL Thin - trial 2 (via te...
10 Images / 0.50 MB
- 5mL Nectar (via teasp...
1 Image / 0.07 MB
- Cup Sip Thin
176 Images / 8.70 MB
- Sequential Thin
8 Images / 0.40 MB

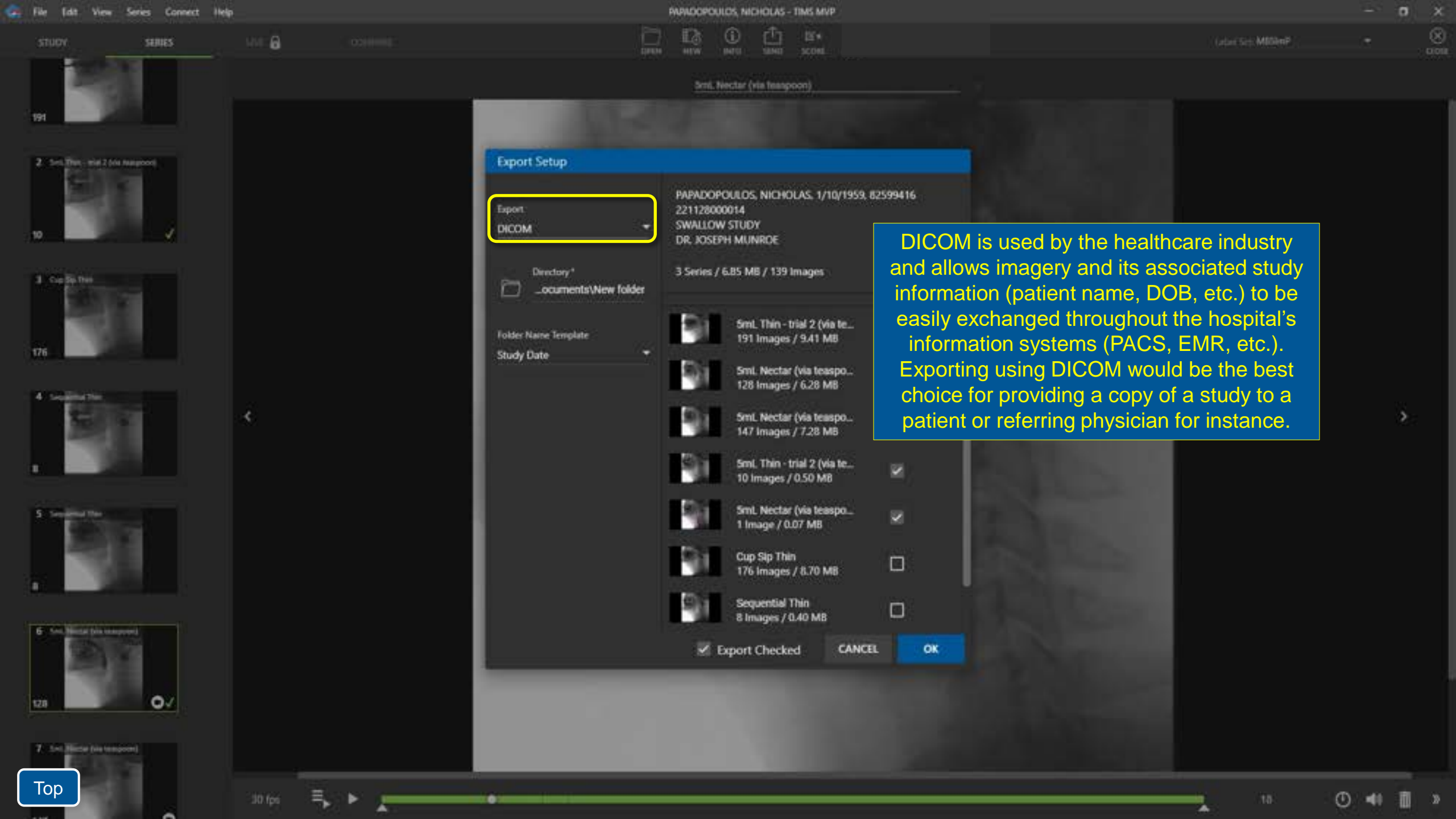
Export Checked CANCEL OK



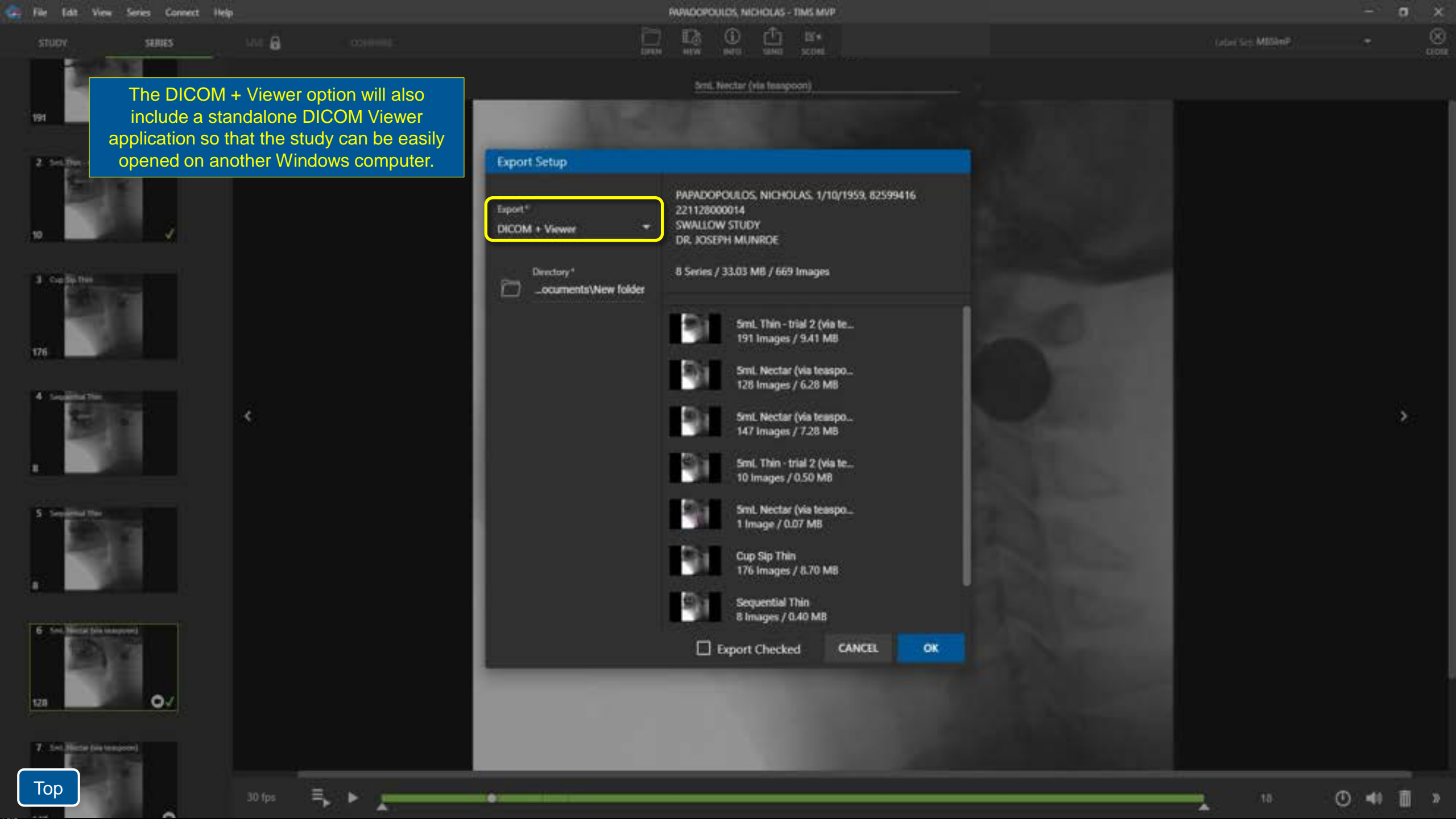
Contrast and Brightness controls. They only effect how you are viewing the image and do not change the saved imagery. The icon changes to green if it is in use. Single click on it again to revert back to the original setting.



Top



DICOM is used by the healthcare industry and allows imagery and its associated study information (patient name, DOB, etc.) to be easily exchanged throughout the hospital's information systems (PACS, EMR, etc.). Exporting using DICOM would be the best choice for providing a copy of a study to a patient or referring physician for instance.



The DICOM + Viewer option will also include a standalone DICOM Viewer application so that the study can be easily opened on another Windows computer.

Export Setup

Export*
DICOM + Viewer

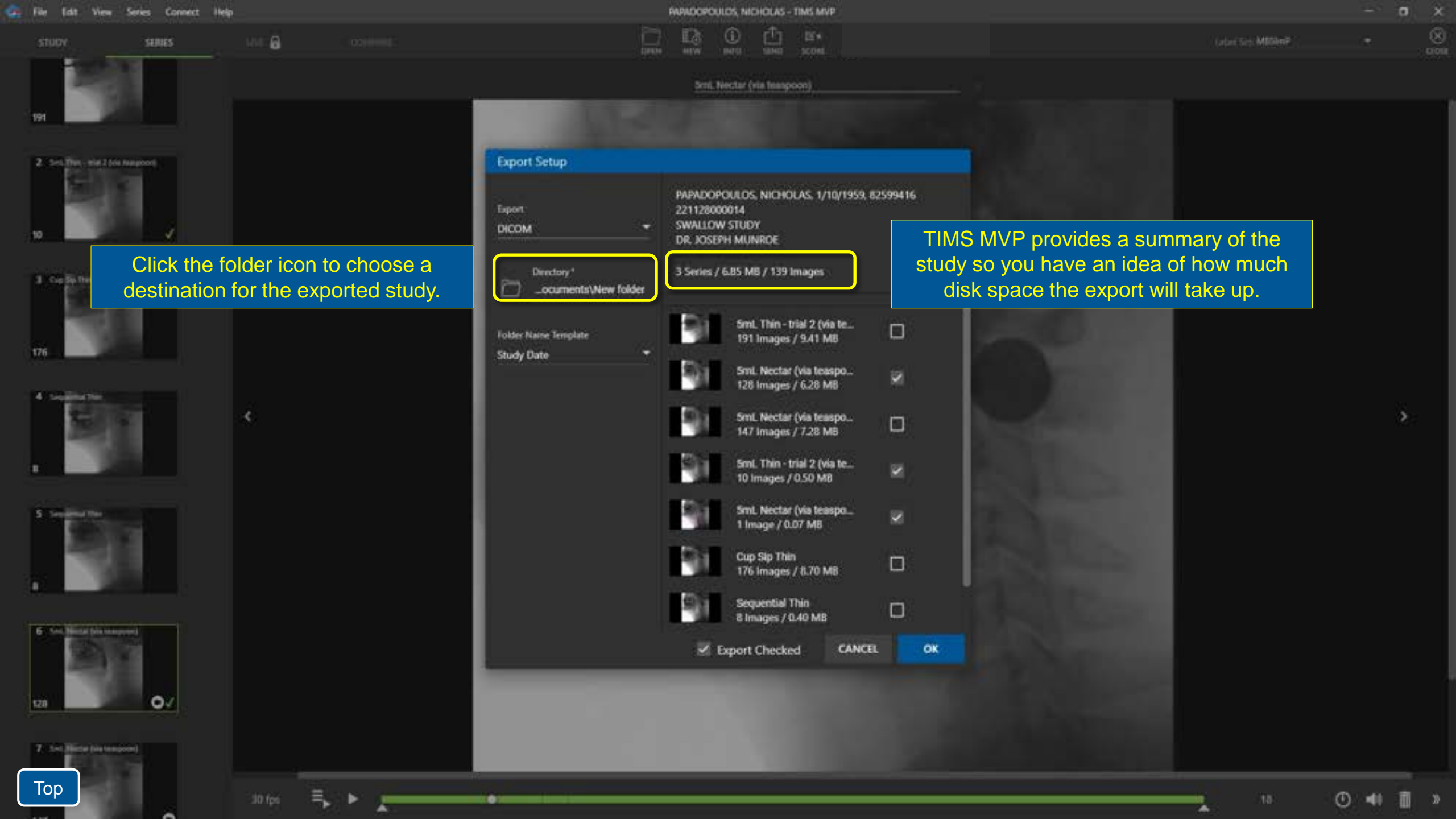
Directory*
...ocuments\New folder

PAPADOPOULOS, NICHOLAS, 1/10/1959, 82599416
221128000014
SWALLOW STUDY
DR. JOSEPH MUNROE

8 Series / 33.03 MB / 669 Images

- 5mL Thin - trial 2 (via te...
191 Images / 9.41 MB
- 5mL Nectar (via teasp...
128 Images / 6.28 MB
- 5mL Nectar (via teasp...
147 Images / 7.28 MB
- 5mL Thin - trial 2 (via te...
10 Images / 0.50 MB
- 5mL Nectar (via teasp...
1 Image / 0.07 MB
- Cup Sip Thin
176 Images / 8.70 MB
- Sequential Thin
8 Images / 0.40 MB

Export Checked CANCEL OK



TIMS MVP provides a summary of the study so you have an idea of how much disk space the export will take up.

Click the folder icon to choose a destination for the exported study.

Export Setup

Export: DICOM

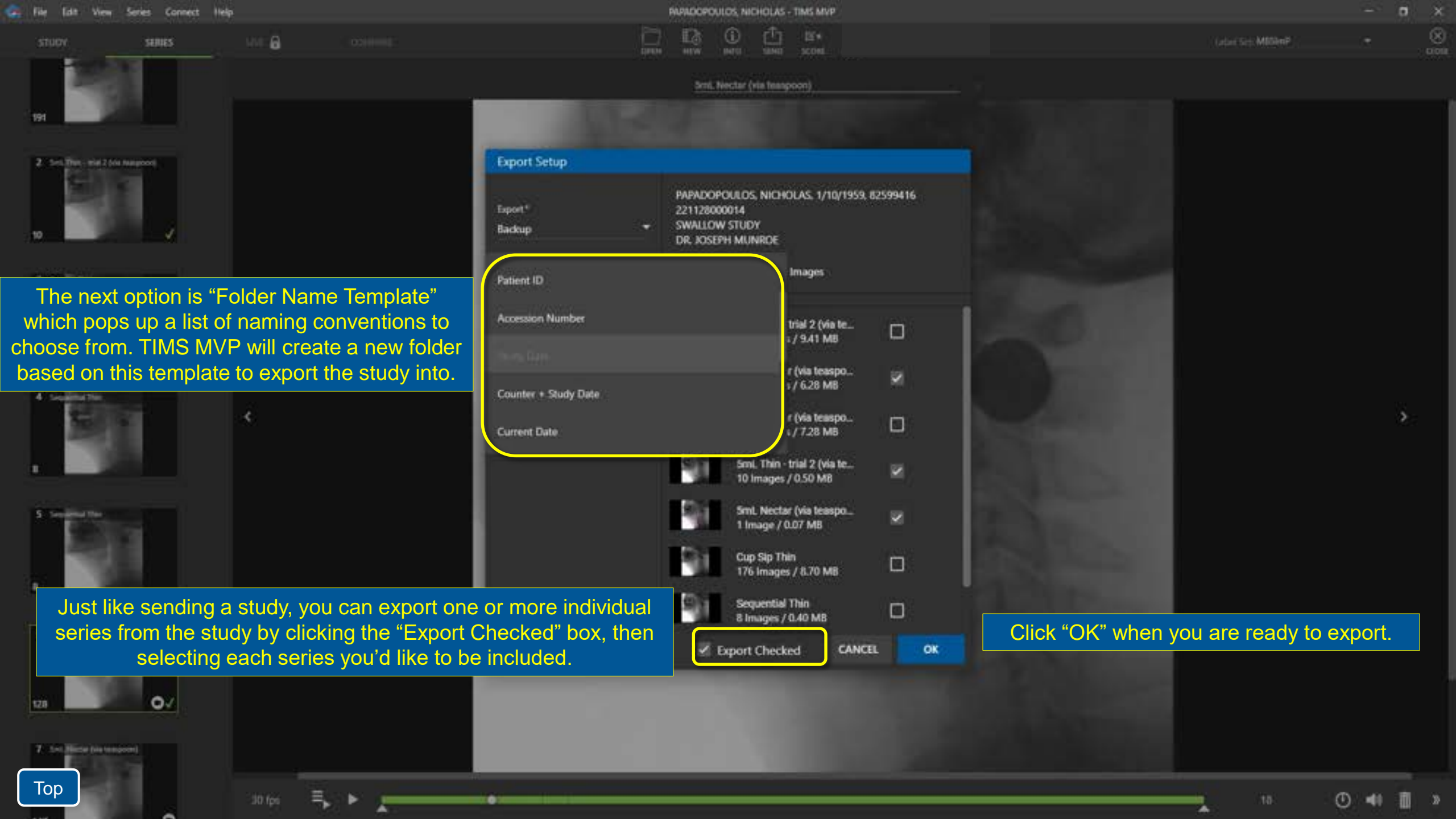
PAPADOPOULOS, NICHOLAS, 1/10/1959, 82599416
221128000014
SWALLOW STUDY
DR. JOSEPH MUNROE

Directory: ...ocuments\New folder

3 Series / 6.85 MB / 139 Images

5mL Thin - trial 2 (via te...	191 Images / 9.41 MB	<input type="checkbox"/>
5mL Nectar (via teasp...	128 Images / 6.28 MB	<input checked="" type="checkbox"/>
5mL Nectar (via teasp...	147 Images / 7.28 MB	<input type="checkbox"/>
5mL Thin - trial 2 (via te...	10 Images / 0.50 MB	<input checked="" type="checkbox"/>
5mL Nectar (via teasp...	1 Image / 0.07 MB	<input checked="" type="checkbox"/>
Cup Sip Thin	176 Images / 8.70 MB	<input type="checkbox"/>
Sequential Thin	8 Images / 0.40 MB	<input type="checkbox"/>

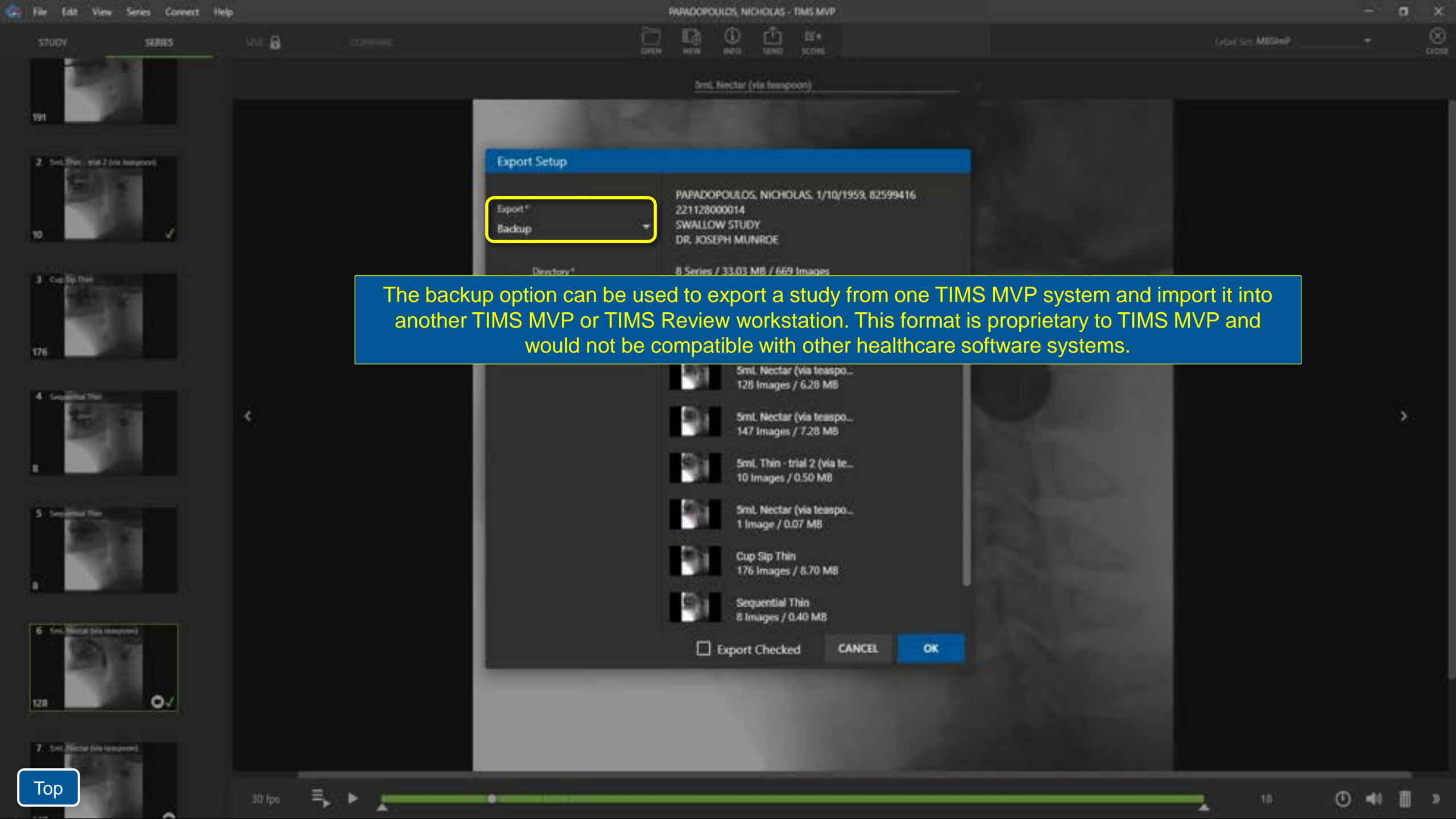
Export Checked CANCEL OK



The next option is "Folder Name Template" which pops up a list of naming conventions to choose from. TIMS MVP will create a new folder based on this template to export the study into.

Just like sending a study, you can export one or more individual series from the study by clicking the "Export Checked" box, then selecting each series you'd like to be included.

Click "OK" when you are ready to export.



Export Setup

Export*
Backup

PAPADOPOULOS, NICHOLAS, 1/10/1959, 82599416
221128000014
SWALLOW STUDY
DR. JOSEPH MUNROE

Directory*
8 Series / 33.03 MB / 669 Images

- 5mL Nectar (via teasp...
128 Images / 6.28 MB
- 5mL Nectar (via teasp...
147 Images / 7.28 MB
- 5mL Thin - trial 2 (via te...
10 Images / 0.50 MB
- 5mL Nectar (via teasp...
1 Image / 0.07 MB
- Cup Sip Thin
176 Images / 8.70 MB
- Sequential Thin
8 Images / 0.40 MB

Export Checked CANCEL OK

The backup option can be used to export a study from one TMS MVP system and import it into another TMS MVP or TMS Review workstation. This format is proprietary to TMS MVP and would not be compatible with other healthcare software systems.



STUDY SERIES

LIVE COMPARE



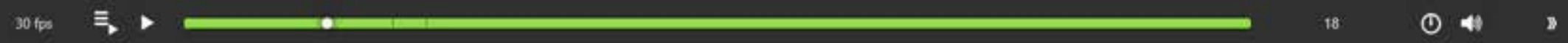
- 191
- 2 SmL Thin - final 2 (via teaspoon)
- 10
- 3 Cup Sip Thin
- 176
- 4 Sequential Thin
- 8
- 5 Sequential Thin
- 8
- 6 SmL Nectar (via teaspoon)
- 128
- 7 SmL Nectar (via teaspoon)

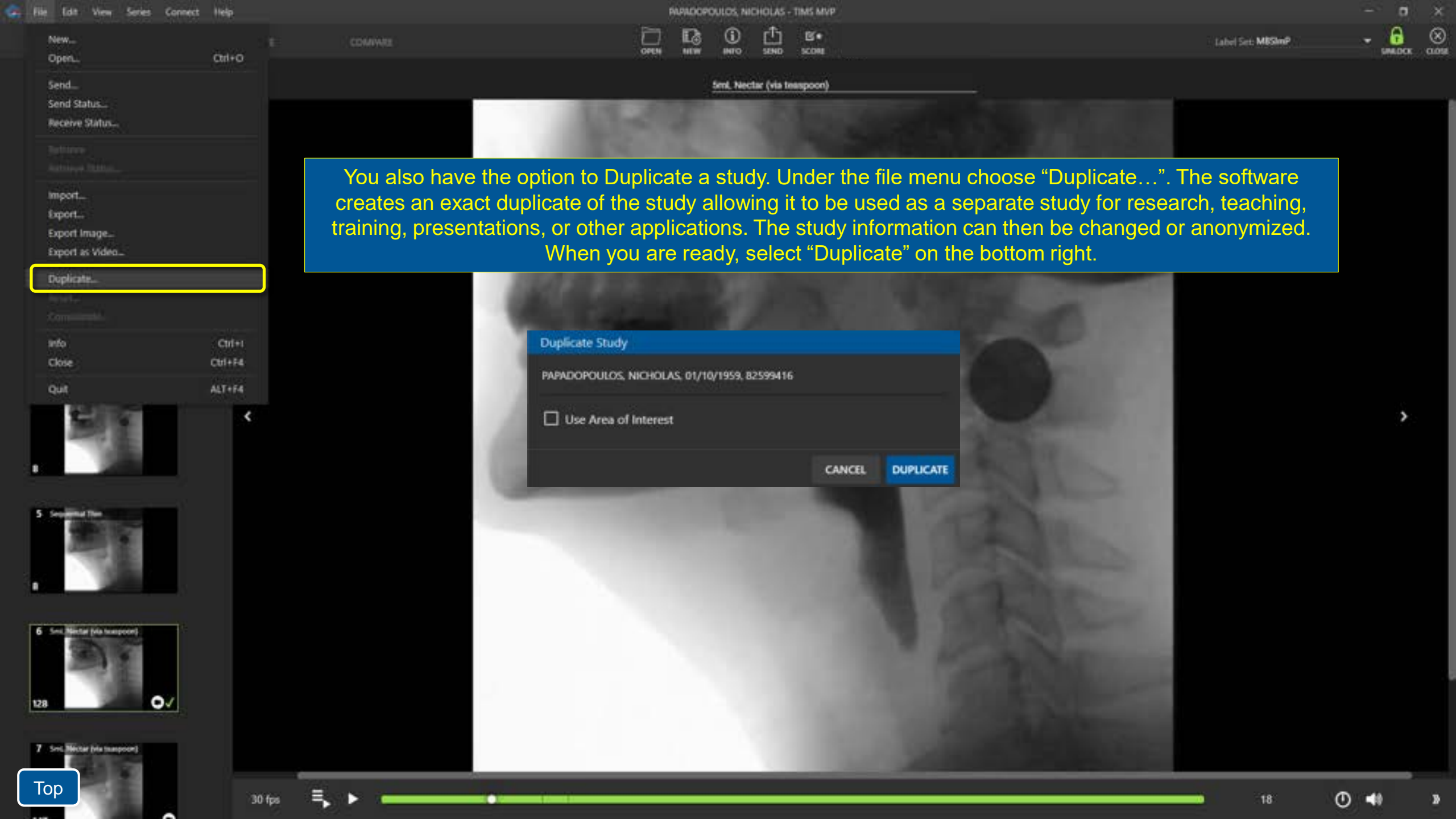
SmL Nectar (via teaspoon)



Once an Export is completed the study is locked for further edits. To continue editing unlock the study.

Top





You also have the option to Duplicate a study. Under the file menu choose “Duplicate...”. The software creates an exact duplicate of the study allowing it to be used as a separate study for research, teaching, training, presentations, or other applications. The study information can then be changed or anonymized. When you are ready, select “Duplicate” on the bottom right.

Duplicate Study

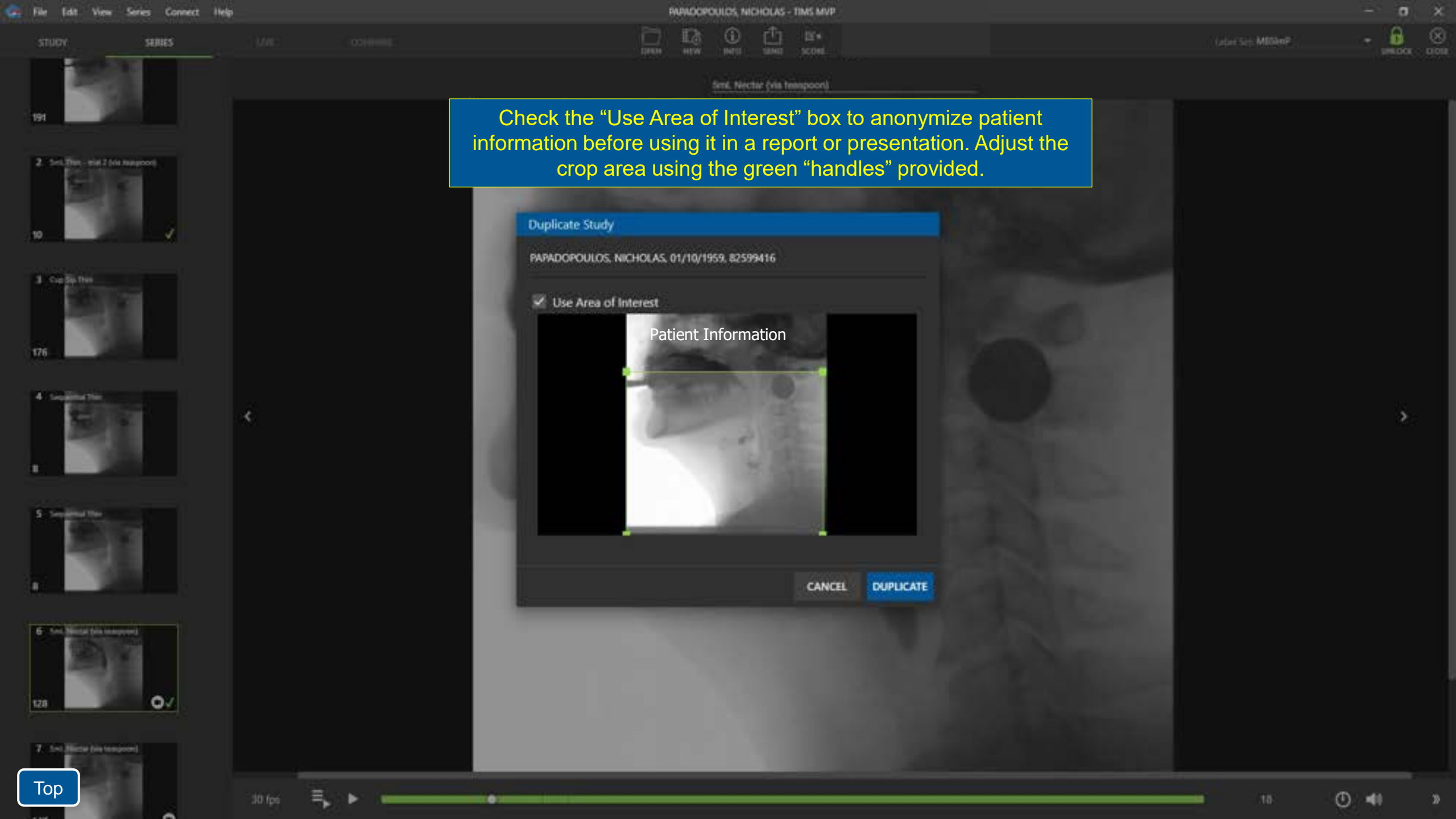
PAPADOPOULOS, NICHOLAS, 01/10/1959, 82599416

Use Area of Interest

CANCEL DUPLICATE

Duplicate...

Top



Check the "Use Area of Interest" box to anonymize patient information before using it in a report or presentation. Adjust the crop area using the green "handles" provided.

Duplicate Study

PAPADOPOULOS, NICHOLAS, 01/10/1959, 82599416

Use Area of Interest

Patient Information

CANCEL DUPLICATE



Study Dashboard

NEW BLANK STUDY... SEND... Filter list CANCEL OPEN

STUDIES WORKLIST Study Count: 16 | 763.82 GB free

Last	First	DOB	Keywords	Study Date	Patient ID	Hospital	Referring	Performing	Modality	Body Part	Accession #	Series	Size (MB)	Descrip
SILVA	BETH	8/22/1934		11/23/2021	57831880		DR. FREDE...		NM	Hip	211123000010	4	132	REDUCED MC
DA SILVA	MIGUEL	5/30/1961		11/12/2021	98712356		DR. EVAN ...		NM	Head	211112000020	14	91	BASELINE
MURPHY	JANE											8	11	297
SILVA	BETH											10	6	133
ROSSI	MARK	5/20/1954		11/9/2021	90383183		DR. HOW...		NM	Head	211109000012	7	11	SWALLOW ST
SMITH	JOHN	5/9/1968		11/9/2021	49206293		DR. ALBER...		NM	Chest	211109000035	8	443	CHEST PAIN
PAPADOP...	NICHOLAS	1/10/1959		11/8/2021	82599416		DR. WEND...		NM	Head	211106000014	8	385	SWALLOW ST
SMITH							DR. ALBER...		US	Chest	211104000035	10	61	CHEST PAIN
Sample							DR. ALBER...		US		1223234	6	7	
DEVI							DR. ELIZA...		NM	Clavicle	211103000011	10	180	LIMITED MOV
White							DR. ELIZA...		NM	Heart	4321	11	30	
testing									NM		231	7	14	
Jane							DR. ALBER...		NM	Clavicle	90909099	2	7	
Patient	Sample	10/21/2021		10/21/2021	123445		DR. ELIZA...		NM		2345	6	23	
student	test	1/1/1979	Cancer	10/20/2021	1				NM	Elbow	1	6	266	
Charles	Brown	10/14/2021		10/14/2021	21131		DR. ELIZA...		NM		13123123	12	232	

To initiate an export from the Study List, "right click" on the study you want to export and choose "Export...".

Export...

Send Status...

Create Delete

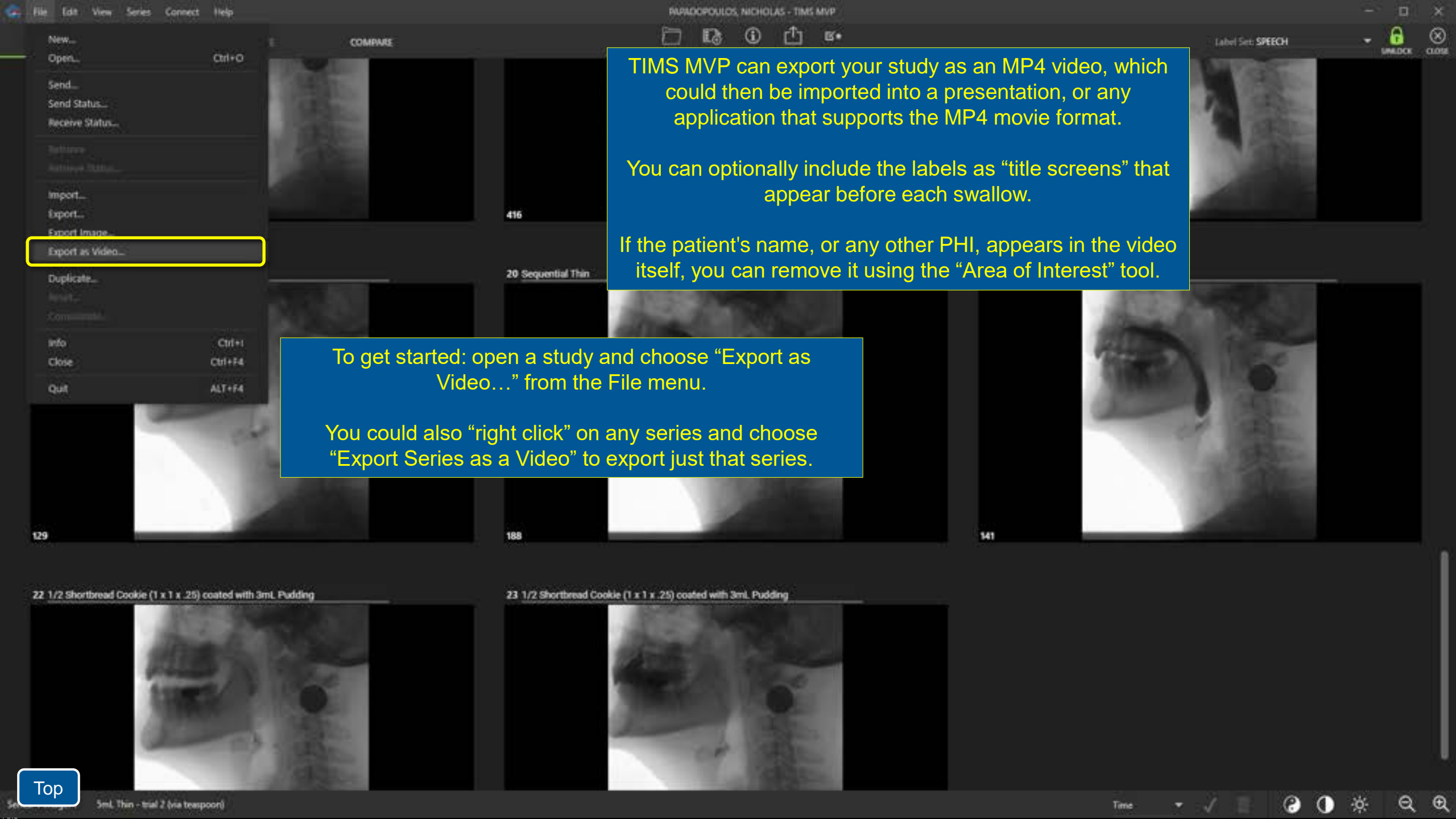
The screenshot shows the 'Study Dashboard' interface. On the left, there is a table of studies with columns 'Last', 'First', and 'DOB'. The table contains several rows, including 'SILVA, BETH, 8/22/1934' and 'DA SILVA, MIGUEL, 5/30/1961'. An 'Export Setup' dialog box is open in the center, showing details for a selected study: 'SILVA, BETH, 8/22/1934, 57831880' with accession number '211123000010' and description 'REDUCED MOBILITY'. The dialog also shows a directory path '...Desktop test backup', a folder name template 'DA SILVA, MIGUEL, 5/30/1961, 98712356', and an accession number '21112000020'. On the right, there is a table of series with columns 'Series', 'Size (MB)', and 'Description'. The table contains several rows, including '0010, 4, 132, REDUCED MO...' and '0020, 14, 95, BASELINE'.

You can also export a **group** of studies from the study list. Select the first study, then hold down the “Shift” key to select the last study in a contiguous group.

If you hold down the “Ctrl” key instead of shift, you can select a non-contiguous group of studies.

Then “right click” on any selected study and choose “Export...” from the menu.

The “Export Setup” dialog will show the list of studies on the right instead of the individual series. Click “OK” to export them all to the selected destination.



TIMS MVP can export your study as an MP4 video, which could then be imported into a presentation, or any application that supports the MP4 movie format.

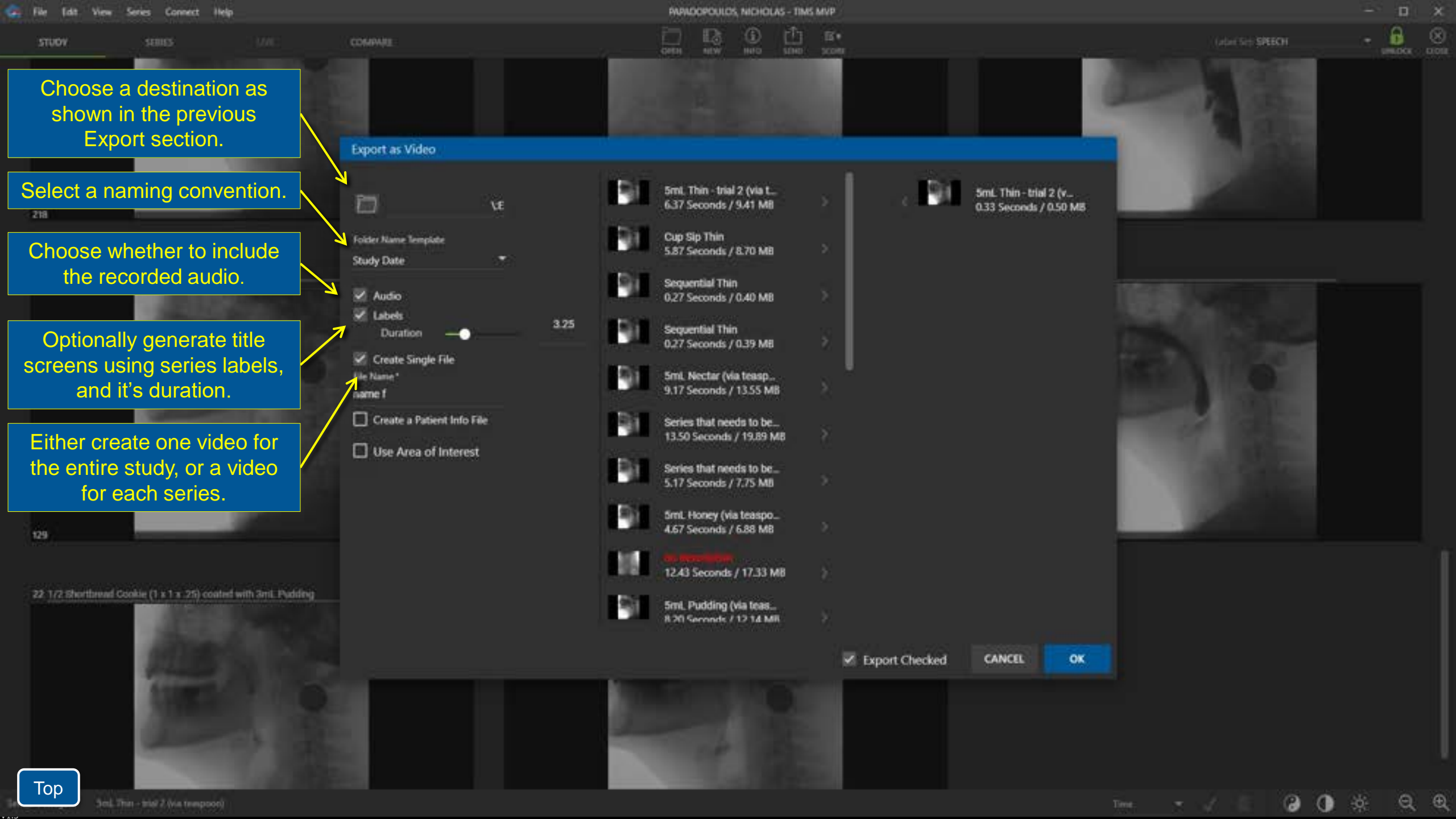
You can optionally include the labels as “title screens” that appear before each swallow.

If the patient's name, or any other PHI, appears in the video itself, you can remove it using the “Area of Interest” tool.

To get started: open a study and choose “Export as Video...” from the File menu.

You could also “right click” on any series and choose “Export Series as a Video” to export just that series.

Top



Choose a destination as shown in the previous Export section.

Select a naming convention.

Choose whether to include the recorded audio.

Optionally generate title screens using series labels, and it's duration.

Either create one video for the entire study, or a video for each series.

Export as Video



\E

Folder Name Template

Study Date

Audio

Labels

Duration

3.25

Create Single File

File Name*

name f

Create a Patient Info File

Use Area of Interest

5mL Thin - trial 2 (via L...
6.37 Seconds / 9.41 MB

Cup Slip Thin
5.87 Seconds / 8.70 MB

Sequential Thin
0.27 Seconds / 0.40 MB

Sequential Thin
0.27 Seconds / 0.39 MB

5mL Nectar (via teaspo...
9.17 Seconds / 13.55 MB

Series that needs to be...
13.50 Seconds / 19.89 MB

Series that needs to be...
5.17 Seconds / 7.75 MB

5mL Honey (via teaspo...
4.67 Seconds / 6.88 MB

~~via teaspo...~~
12.43 Seconds / 17.33 MB

5mL Pudding (via teas...
8.20 Seconds / 12.14 MB

5mL Thin - trial 2 (v...
0.33 Seconds / 0.50 MB

Export Checked

CANCEL

OK

If you wish to include only specific series from the study to export, select the "Export Checked" option and click the arrow to move the series you would like to include. You can "scrub" on the thumbnails with your mouse to review the video!

Export as Video

Folder Name Template: \E

Study Date: [dropdown]

Audio

Labels: 3.25

Duration: [slider]

Create Single File

File Name*: name f

Create a Patient Info File

Use Area of Interest

Thumbnail	Series Name	Duration	Size	Action
	Cup Sip Thin	5.87 Seconds	8.70 MB	▶
	Series that needs to be...	13.50 Seconds	19.89 MB	▶
	Series that needs to be...	5.17 Seconds	7.75 MB	▶
	5mL Honey (via teasp...	4.67 Seconds	6.88 MB	▶
	no description	12.43 Seconds	17.33 MB	▶
	5mL Pudding (via teas...	8.20 Seconds	12.14 MB	▶
	1/2 Sh...	6.87 S...		▶
	no description	4.20 Seconds	7.62 MB	▶
	no description	4.40 Seconds	6.51 MB	▶
	no description	19.20 Seconds	28.38 MB	▶

5mL Thin - trial 2 (v... 0.33 Seconds / 0.50 MB

5mL Thin - trial 2 (v... 6.37 Seconds / 9.41 MB

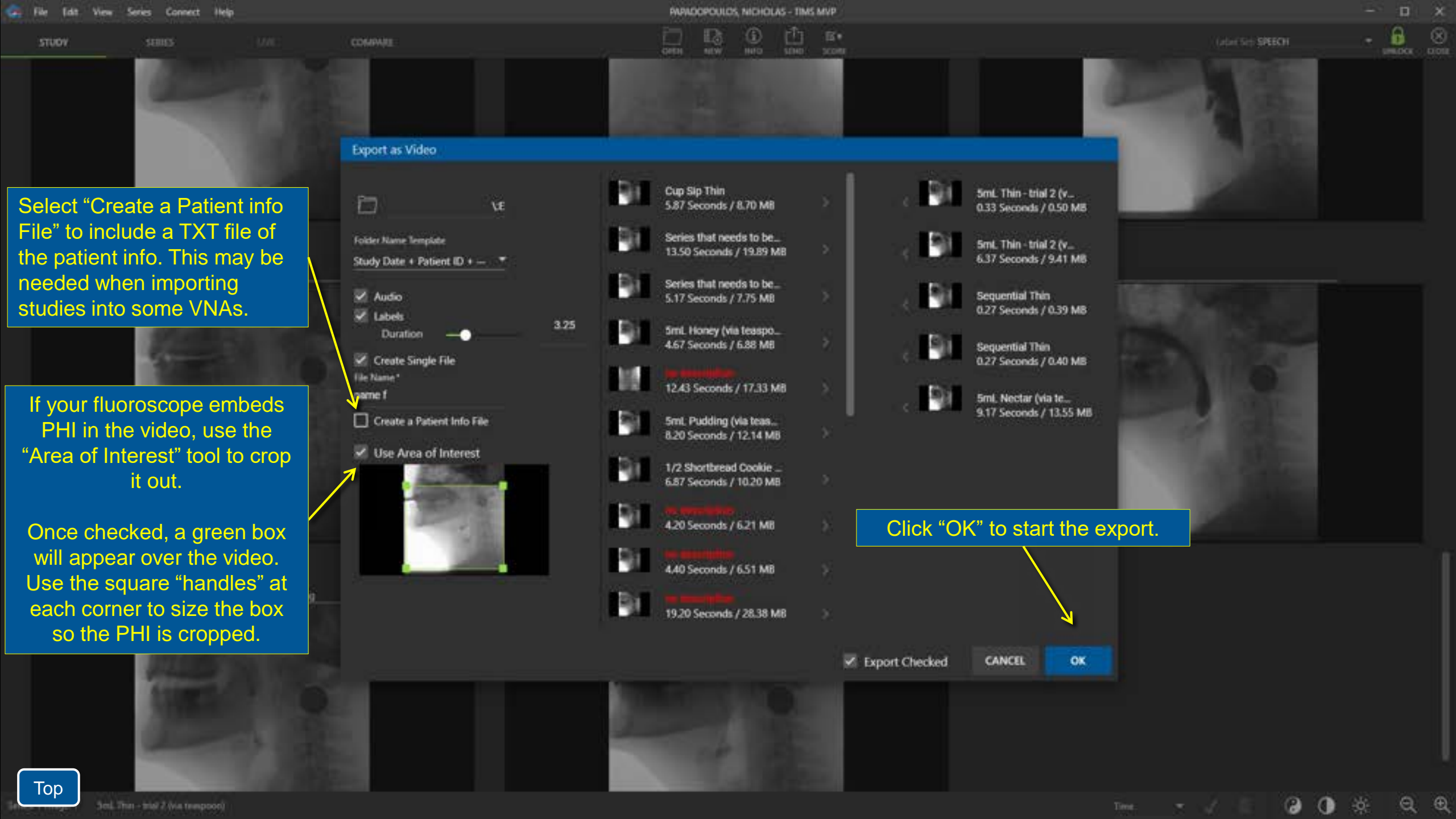
Sequential Thin 0.27 Seconds / 0.39 MB

Sequential Thin 0.27 Seconds / 0.40 MB

5mL Nectar (via te... 9.17 Seconds / 13.55 MB

Export Checked CANCEL OK

You may then use the Triple Bar icon to rearrange the order you want them to appear in the video.

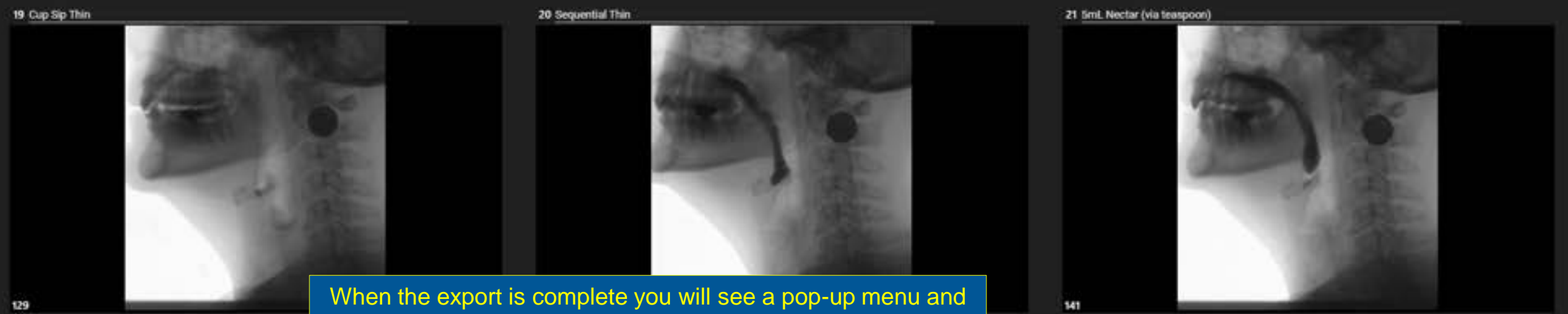


Select "Create a Patient info File" to include a TXT file of the patient info. This may be needed when importing studies into some VNAs.

If your fluoroscope embeds PHI in the video, use the "Area of Interest" tool to crop it out.

Once checked, a green box will appear over the video. Use the square "handles" at each corner to size the box so the PHI is cropped.

Click "OK" to start the export.

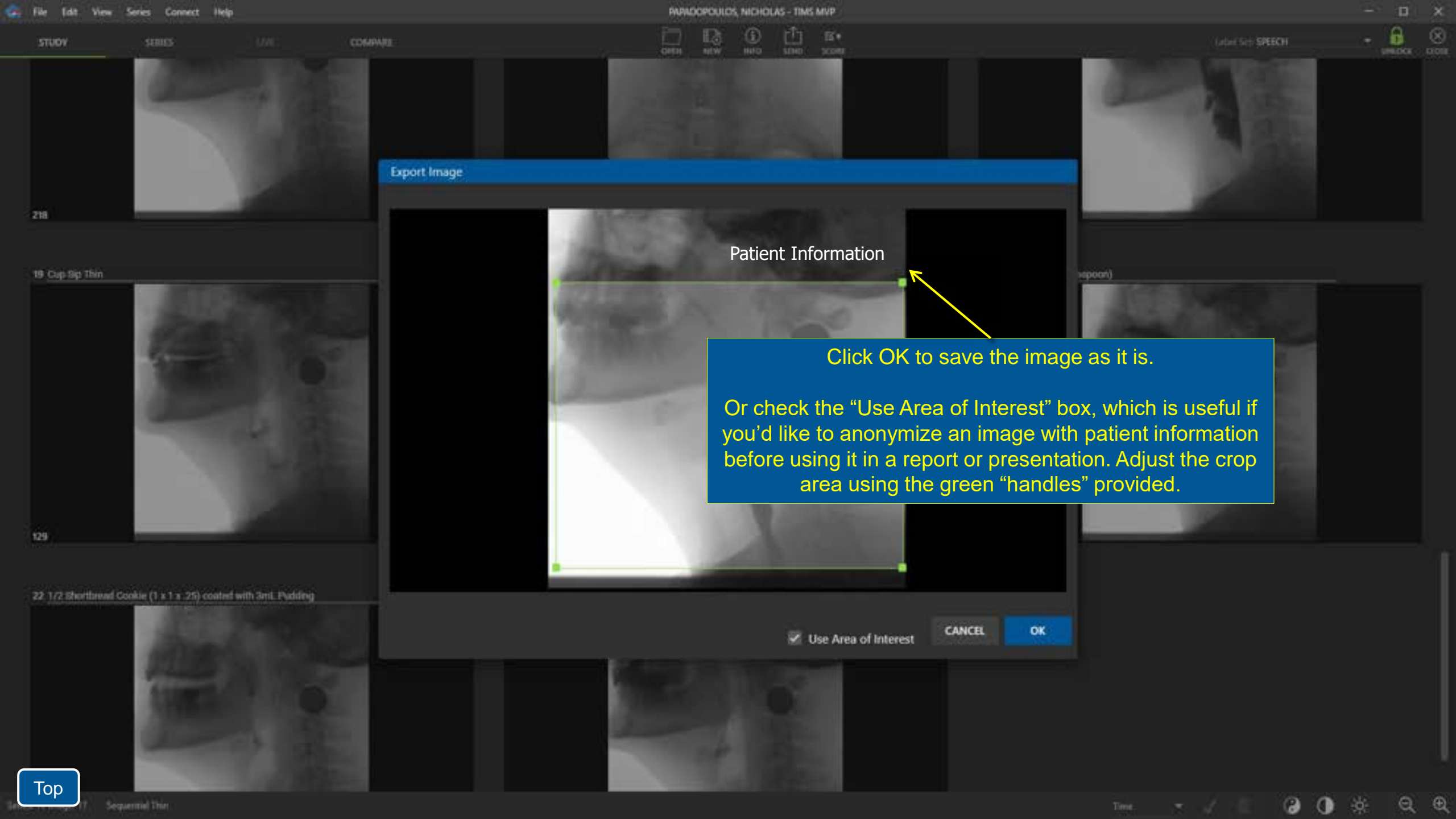


When the export is complete you will see a pop-up menu and have an opportunity to open the folder.



If you would like to save a single image, first scrub to the desired image, then select "Export Image" from the file menu.

The "Export Image" function is also available by "right clicking" with your mouse.



Export Image

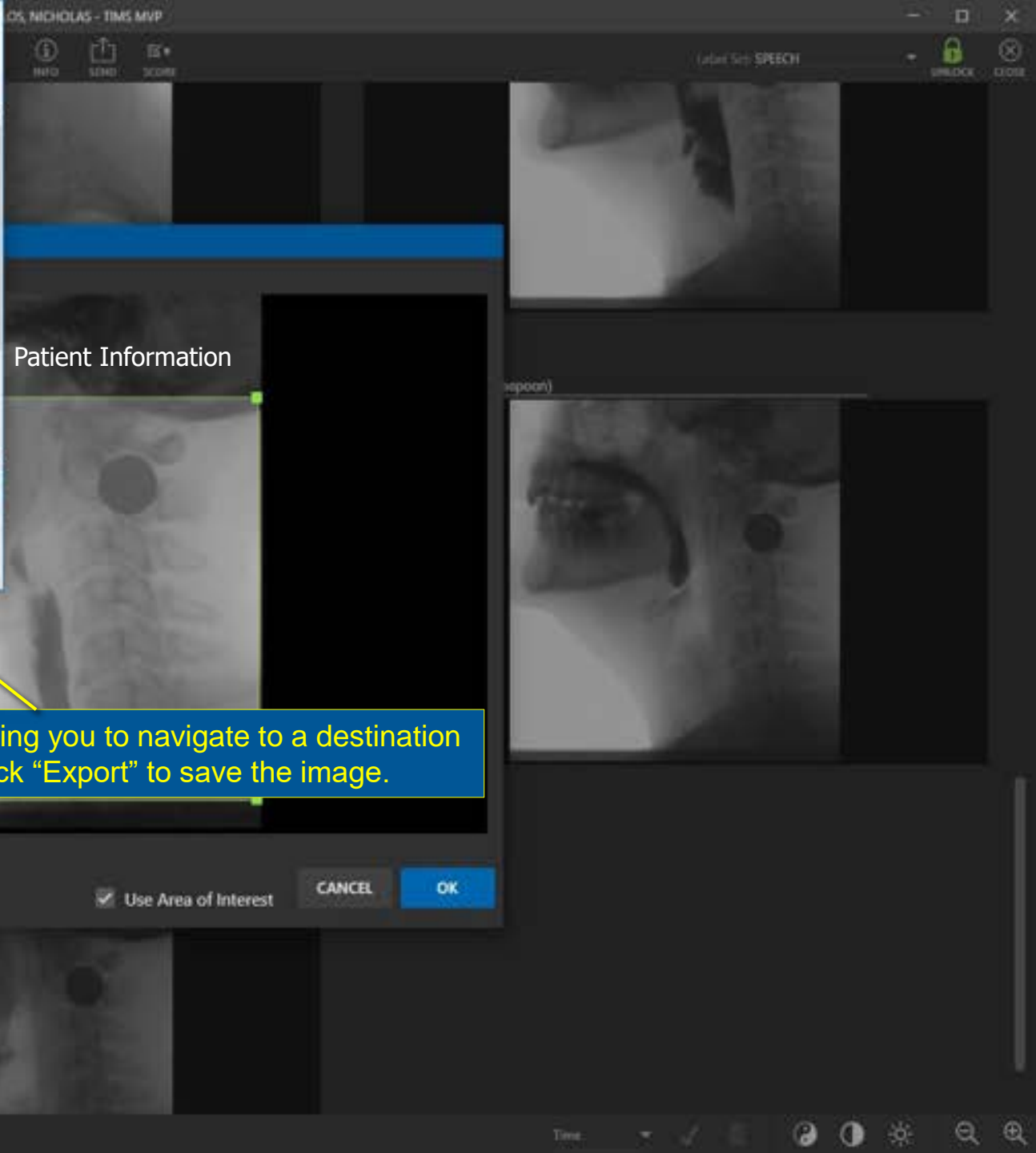
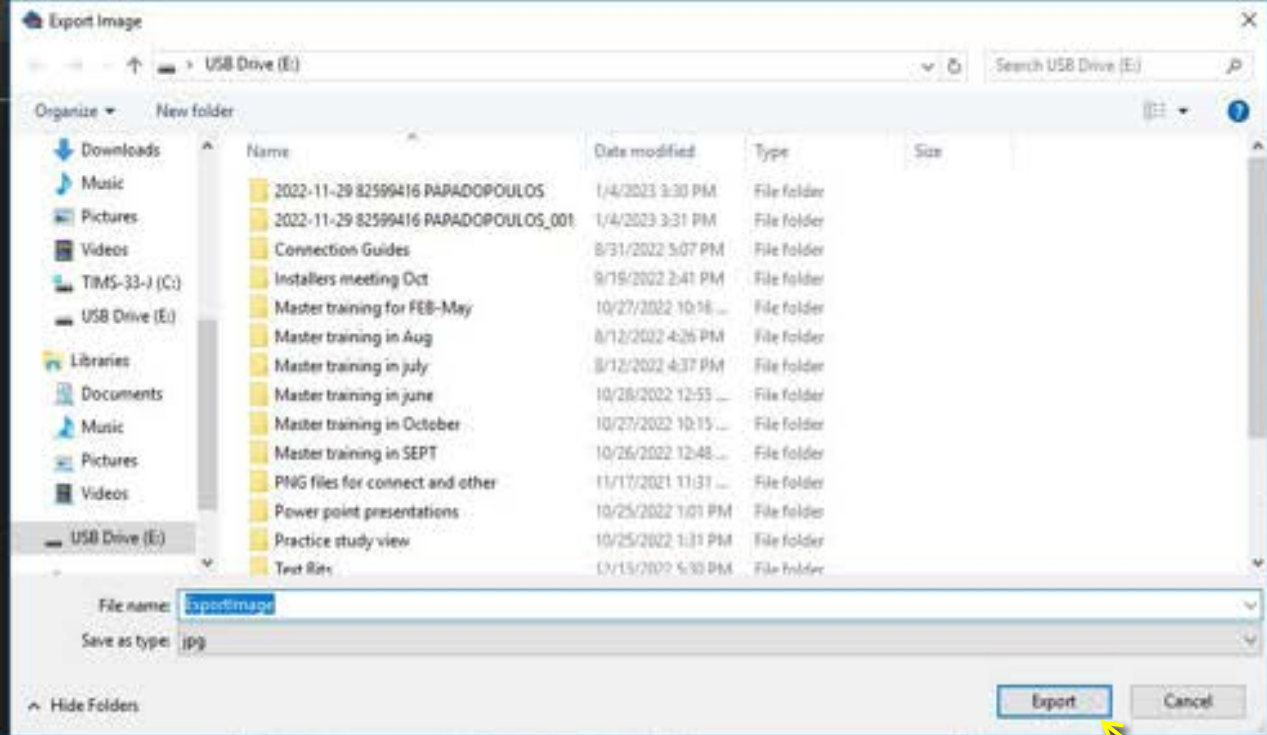
Patient Information

Click OK to save the image as it is.
Or check the "Use Area of Interest" box, which is useful if you'd like to anonymize an image with patient information before using it in a report or presentation. Adjust the crop area using the green "handles" provided.

Use Area of Interest

CANCEL

OK



A dialog box will appear allowing you to navigate to a destination for the saved image. Click "Export" to save the image.

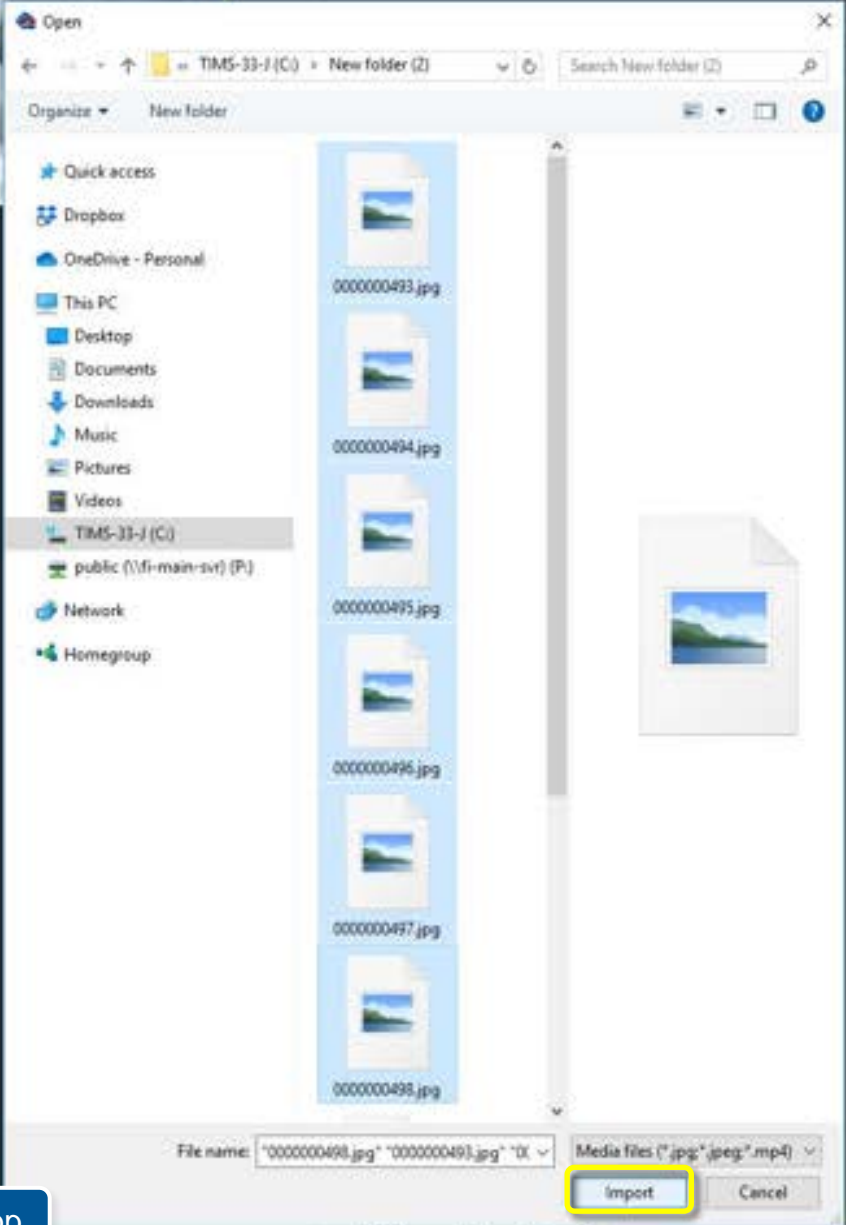
Import Media Files

- New...
- Open... Ctrl+O
- Send...
- Send Status...
- Receive Status...
- Refresh
- Refresh Status...
- Import...
 - Import Media Files...**
 - Export...
 - Export Image...
 - Export as Video...
- Duplicate...
- Save...
- Consolidate...
- Info Ctrl+I
- Close Ctrl+F4
- Quit ALT+F4

From the File menu select Import Media Files to import JPG files or MP4 files into your studies.

1 name f

name f

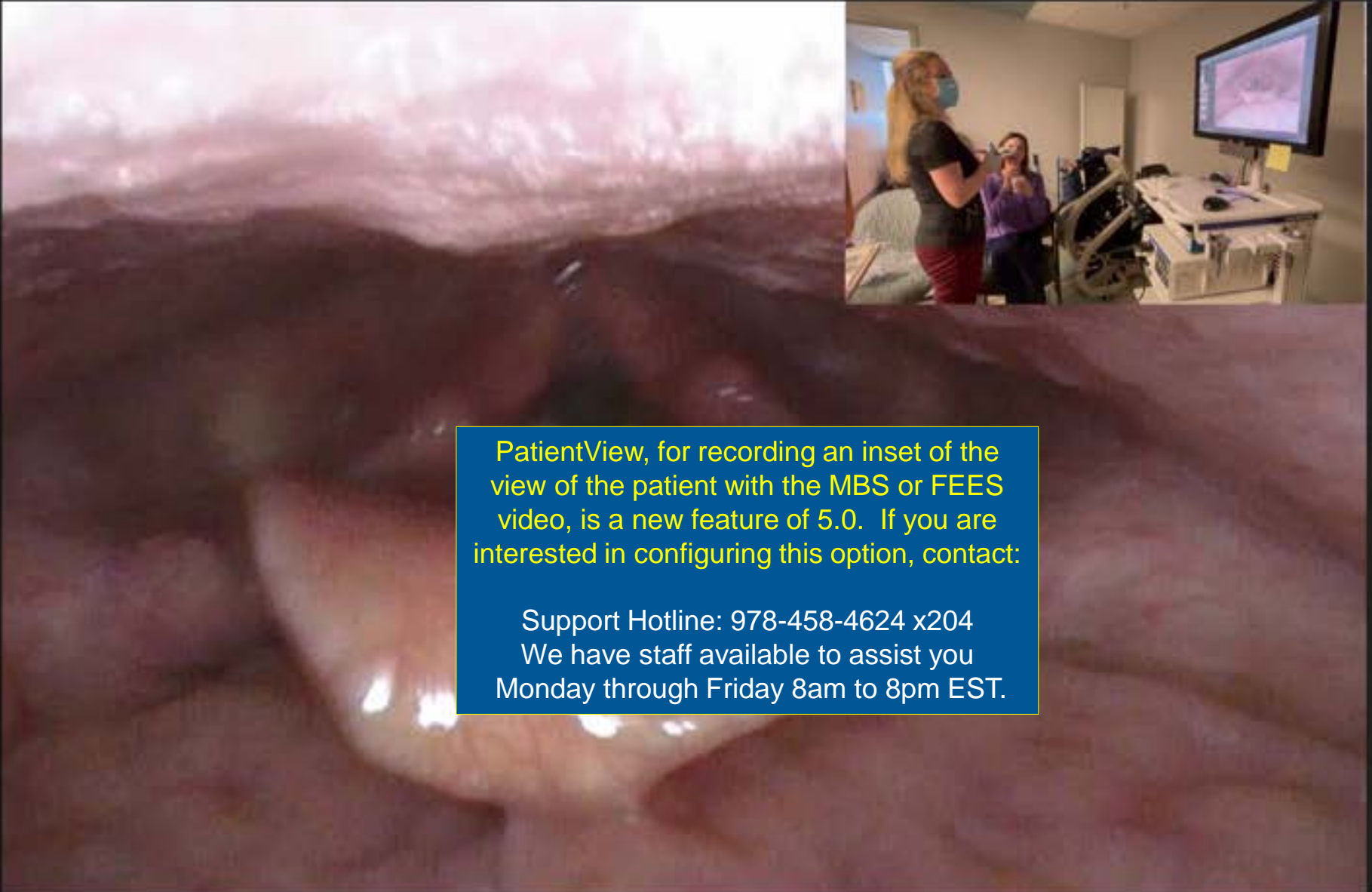


Select one or more files and click Import.



Top

PatientView



PatientView, for recording an inset of the view of the patient with the MBS or FEES video, is a new feature of 5.0. If you are interested in configuring this option, contact:

Support Hotline: 978-458-4624 x204
 We have staff available to assist you
 Monday through Friday 8am to 8pm EST.

Top

Compare Studies Side-by-Side

Study Dashboard

NEW BLANK STUDY... SEND... nic CANCEL OPEN

STUDIES WORKLIST Study Count: 6 | 731.39 GB free

Patient ID	Last	First	DOB	Accession #	Series	Study Date	Size (MB)	Modality	Performing	Referring	Body Part	Description	Keywords
82599416	PARADOP...	NICHOLAS	12/13/2022	88888888888888...	2	12/13/2022	406	RF					
82599416	PARADOP...	NICHOLAS	12/13/2022	989886767676	22	12/13/2022	466	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	12/13/2022	989787676565454	13	12/9/2022	301	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	12/13/2022	226767676	4	12/6/2022	29	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PARADOP...	NICHOLAS	12/13/2022	221128000014	23	11/29/2022	240	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer
82599416	PARADOP...	NICHOLAS	12/13/2022	221128000014	25	11/29/2022	267	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer

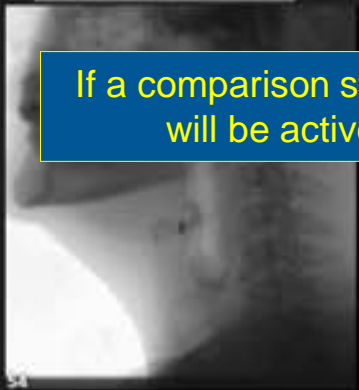
You can compare side-by-side studies that have the same patient ID number.

If a comparison study is available, the COMPARE option will be active. Click COMPARE to get started.

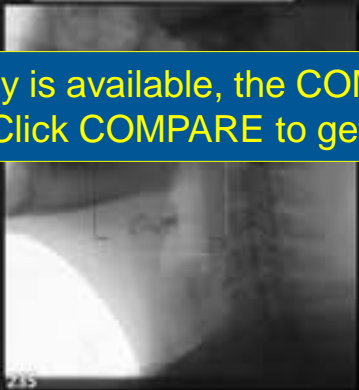
1 5ml Thin - trial 1 (via teaspoon)



2 5ml Thin - trial 2 (via teaspoon)



3 Cup Sip Thin



4 Sequential Thin



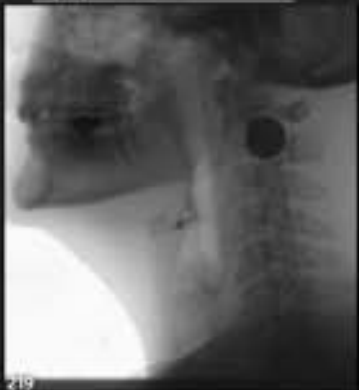
5 5ml Nectar (via teaspoon)



6 Cup Sip Nectar



7 Cup Sip Thin



8 5ml Nectar (via teaspoon)



9 Cup Sip Nectar



10 Sequential Nectar



11 5ml Honey (via teaspoon)



12 5ml Pudding (via teaspoon)



13 1/2 Shortbread Cookie (1 x 1 x .25)



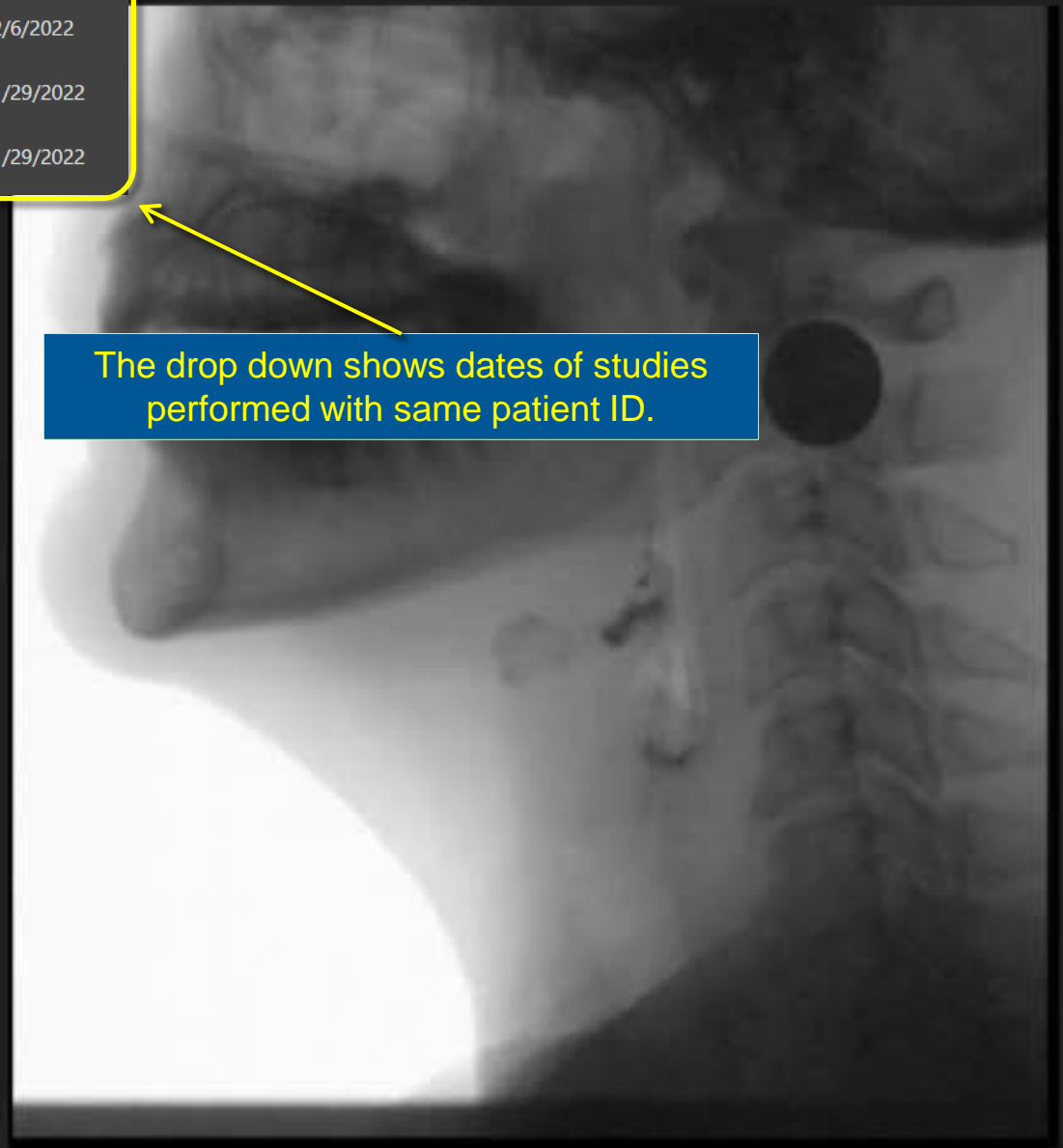
Top

1 - 5mL Thin - trial 1 (via teaspoon)



12/9/2022

- 12/6/2022
- 11/29/2022
- 11/29/2022



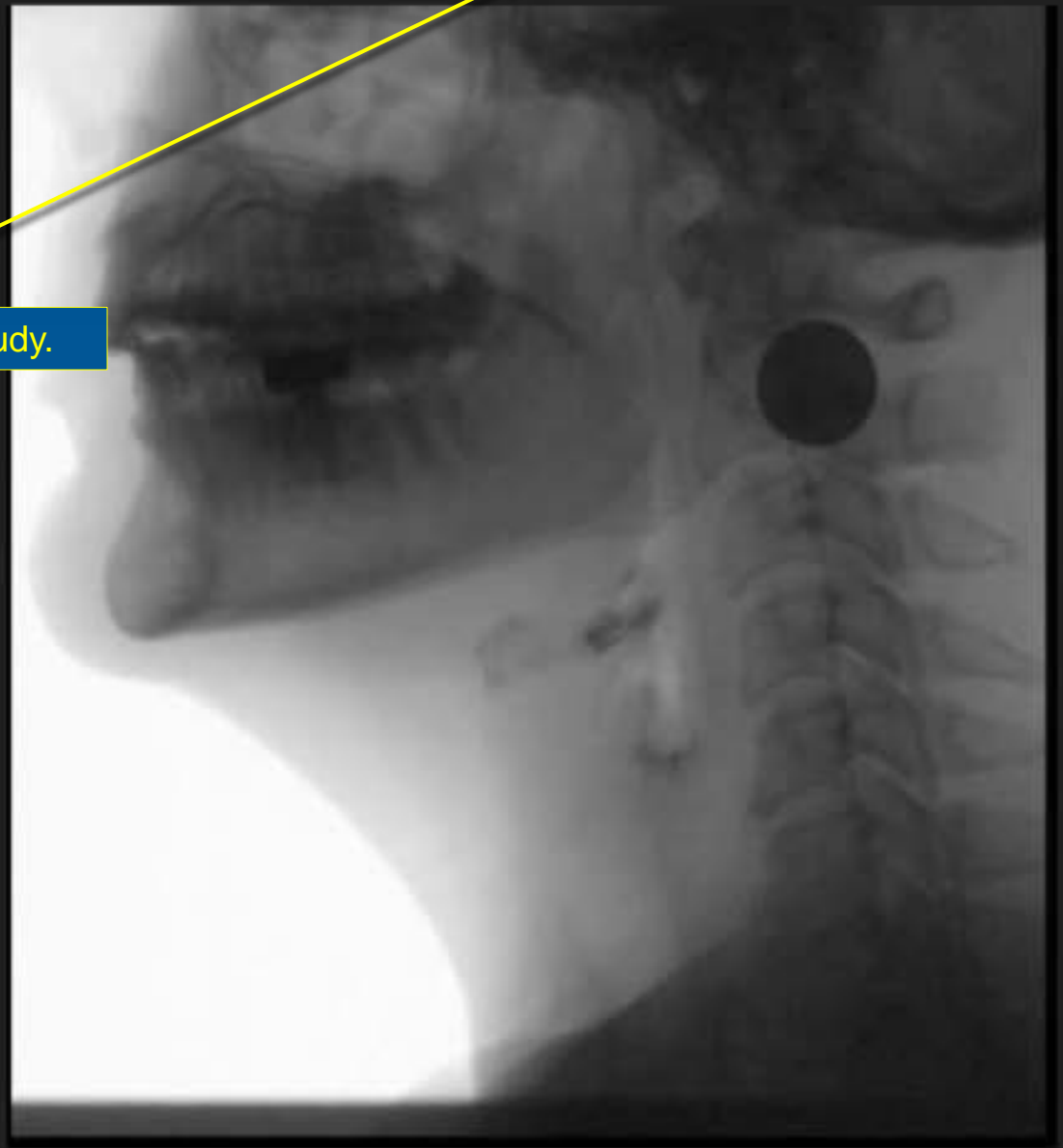
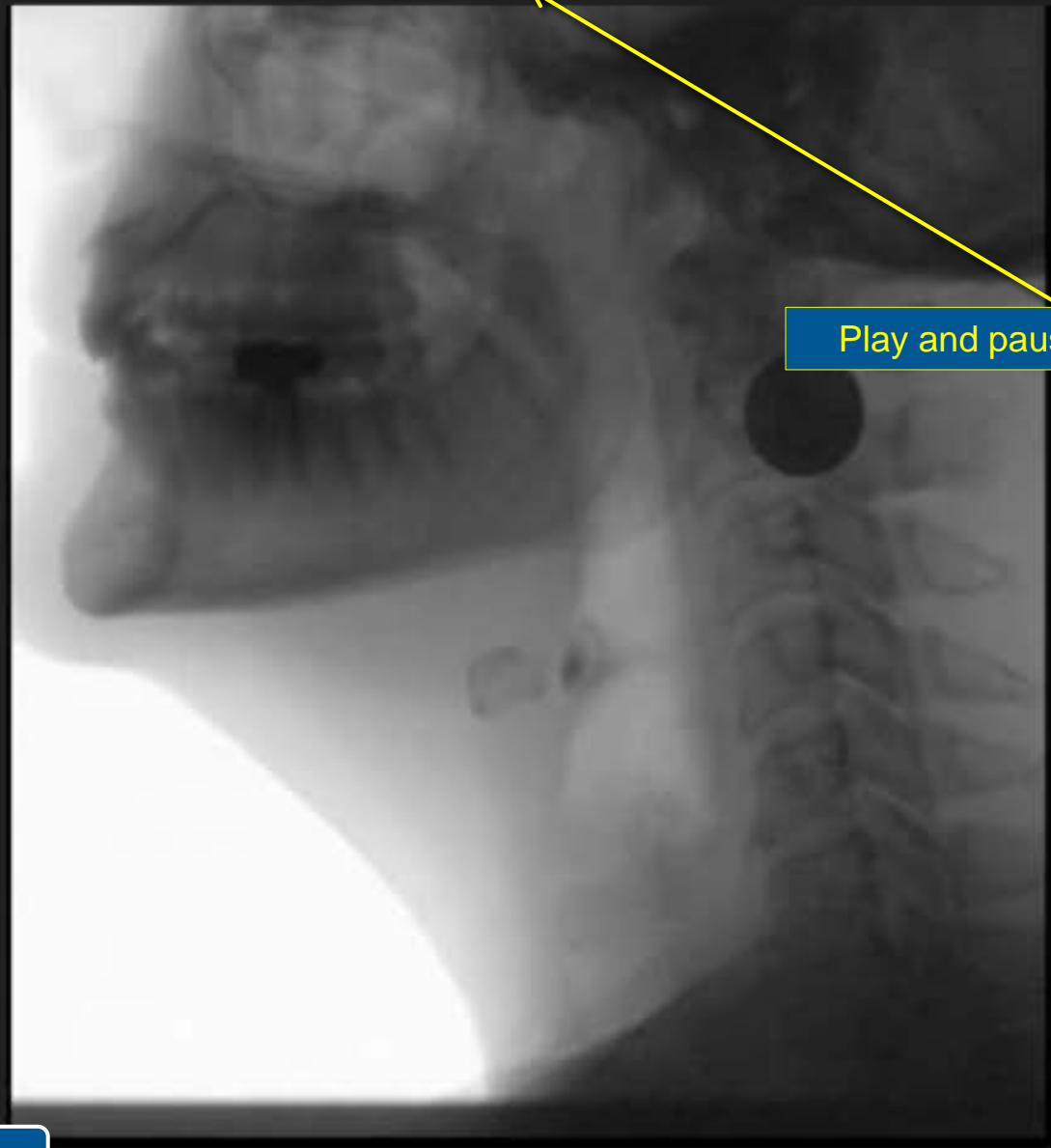
1 - 5mL Thin - trial 2 (via teaspoon)

The drop down shows dates of studies performed with same patient ID.

1 - 5mL Thin - trial 1 (via teaspoon)

12/9/2022

1 - 5mL Thin - trial 2 (via teaspoon)

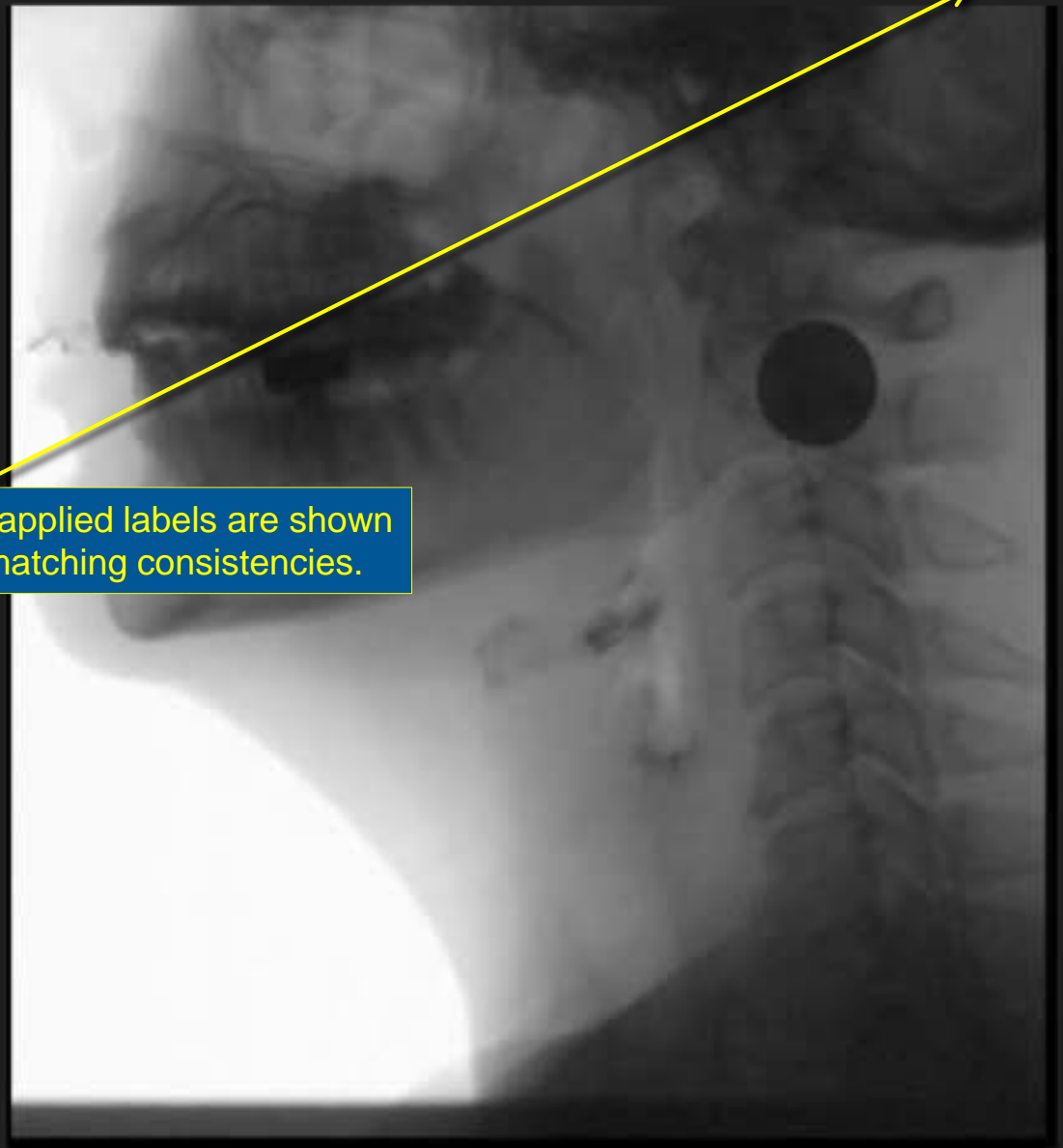
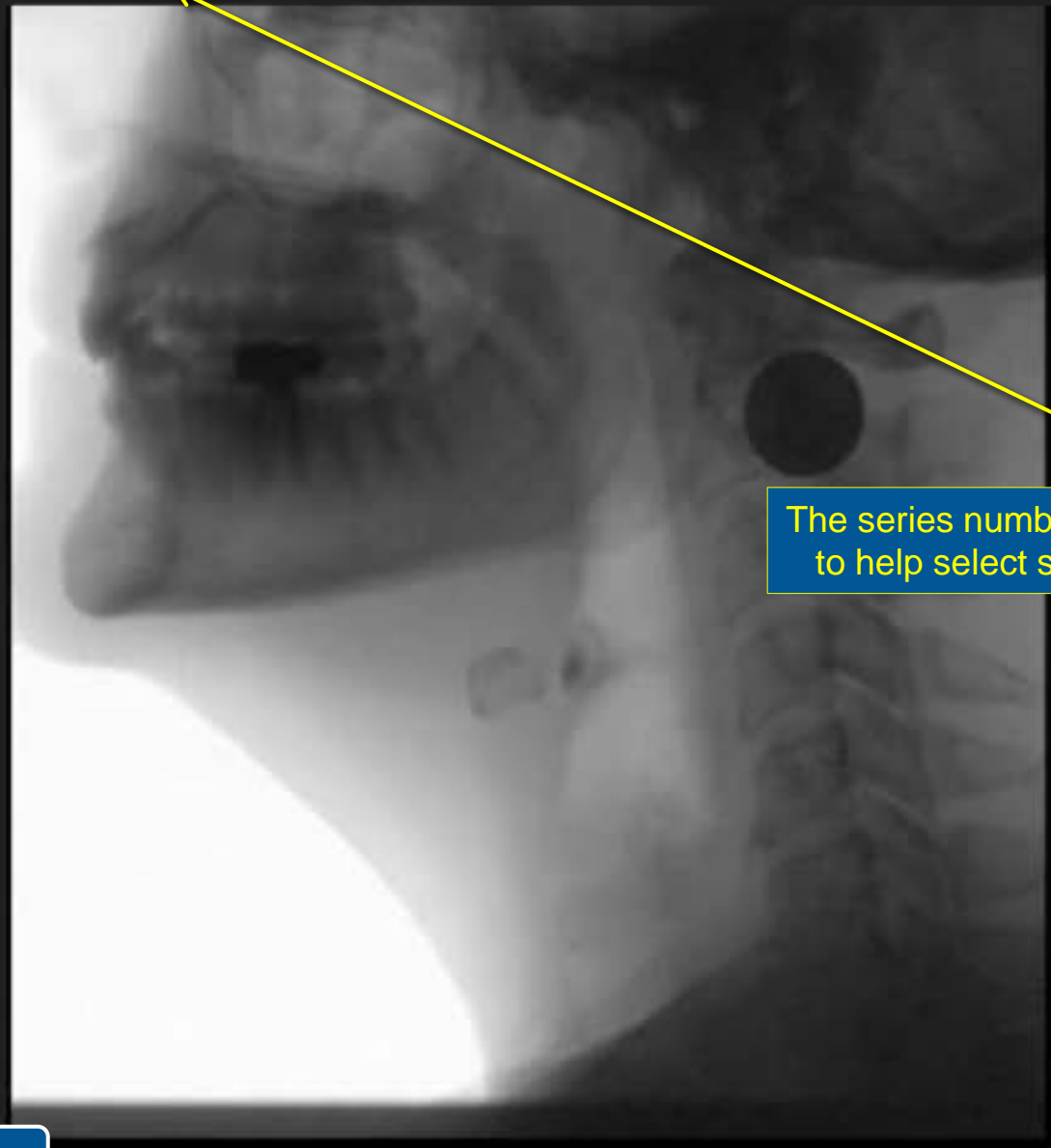


Play and pause either study.

1 - 5mL Thin - trial 1 (via teaspoon)

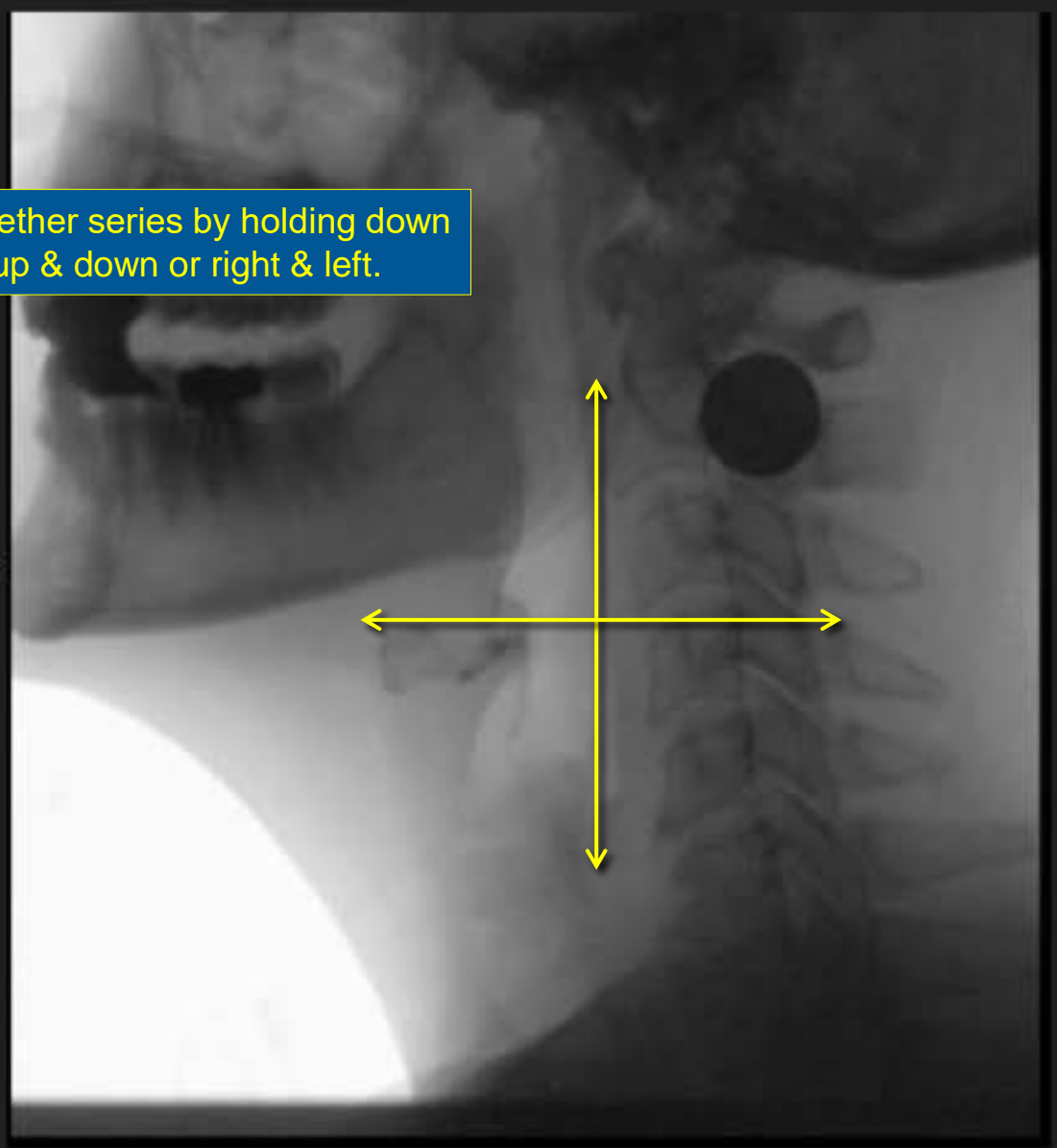
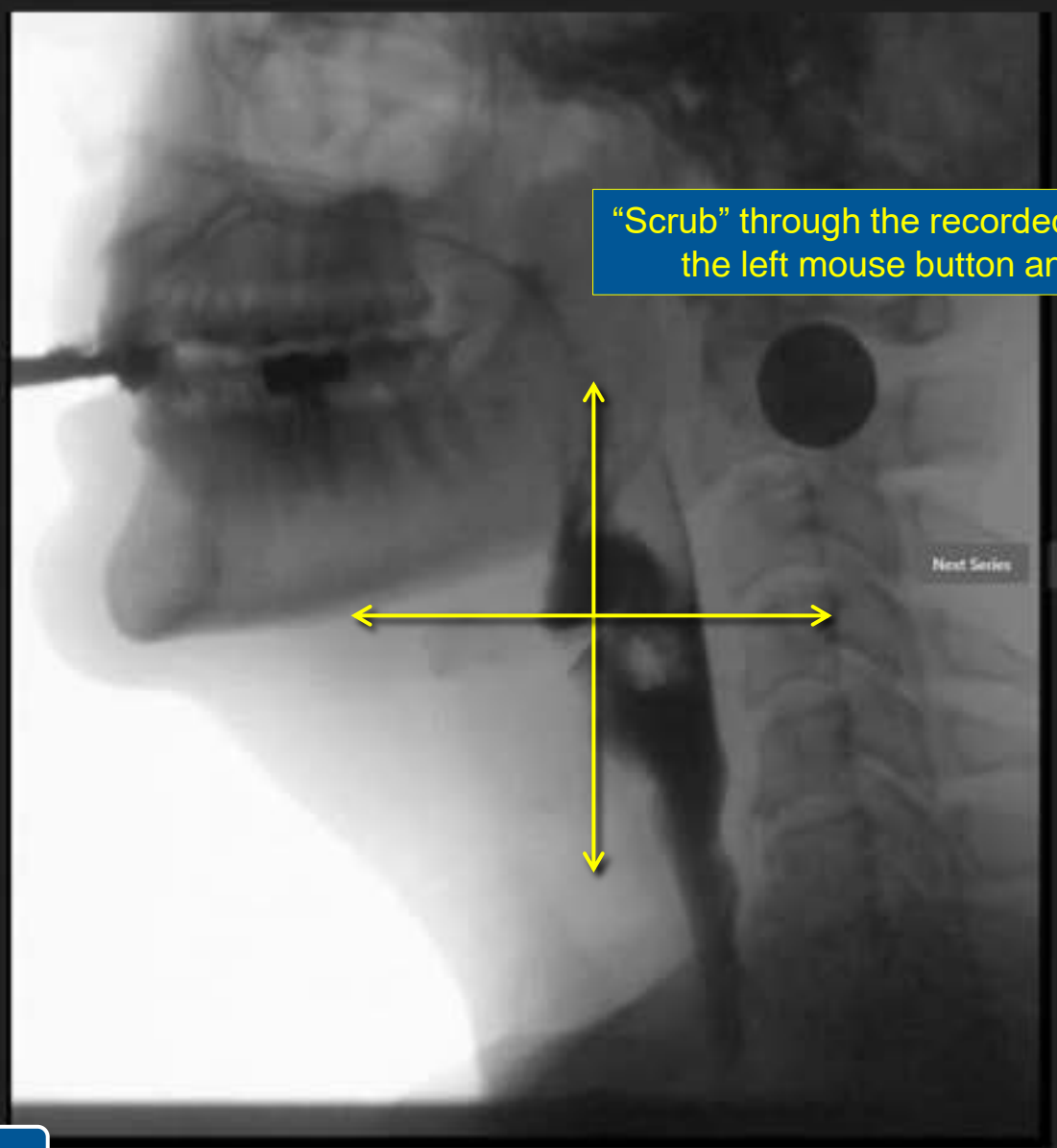
12/9/2022

1 - 5mL Thin - trial 2 (via teaspoon)



The series number and any applied labels are shown to help select series with matching consistencies.

“Scrub” through the recorded video on ether series by holding down the left mouse button and moving up & down or right & left.



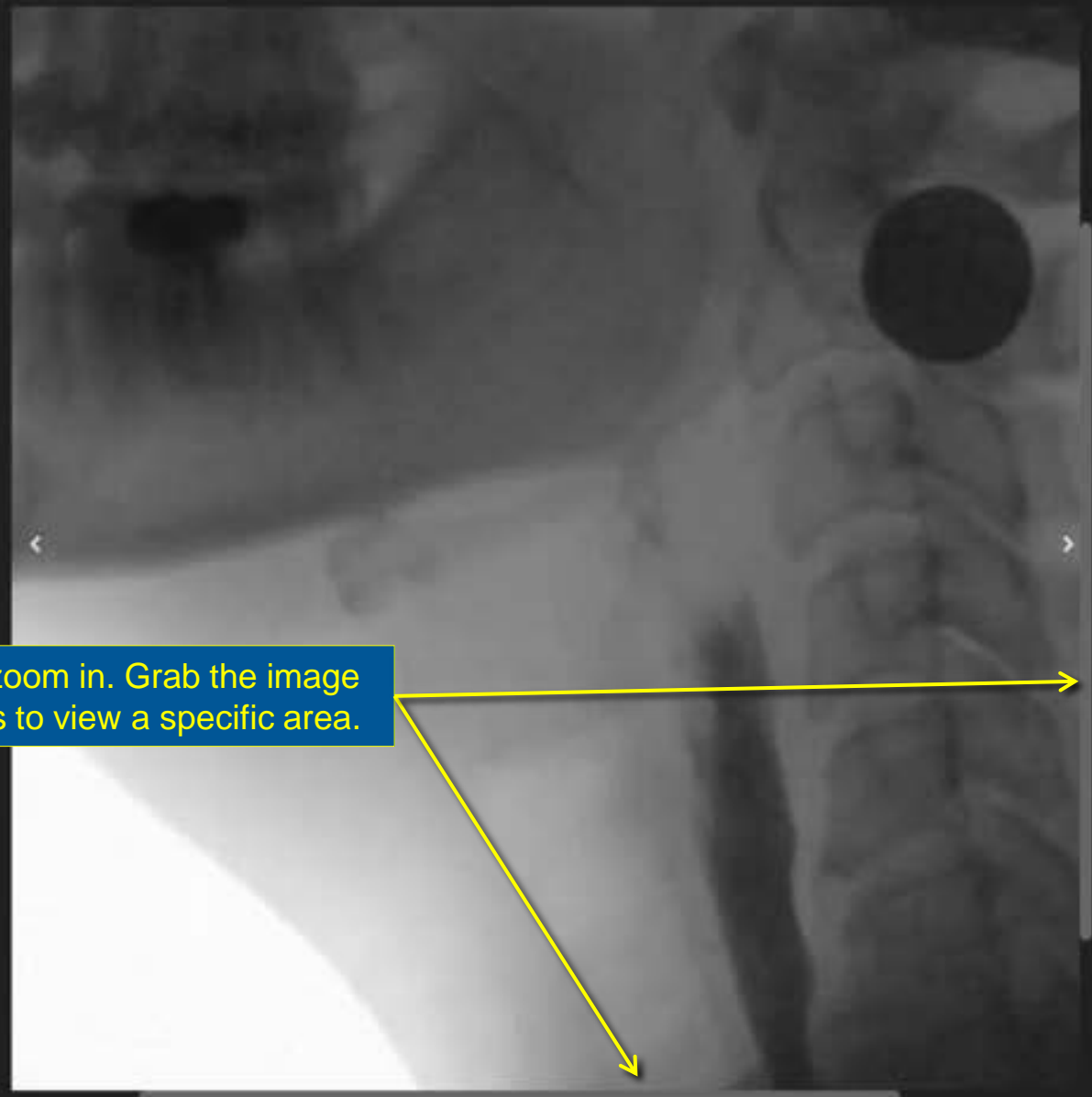
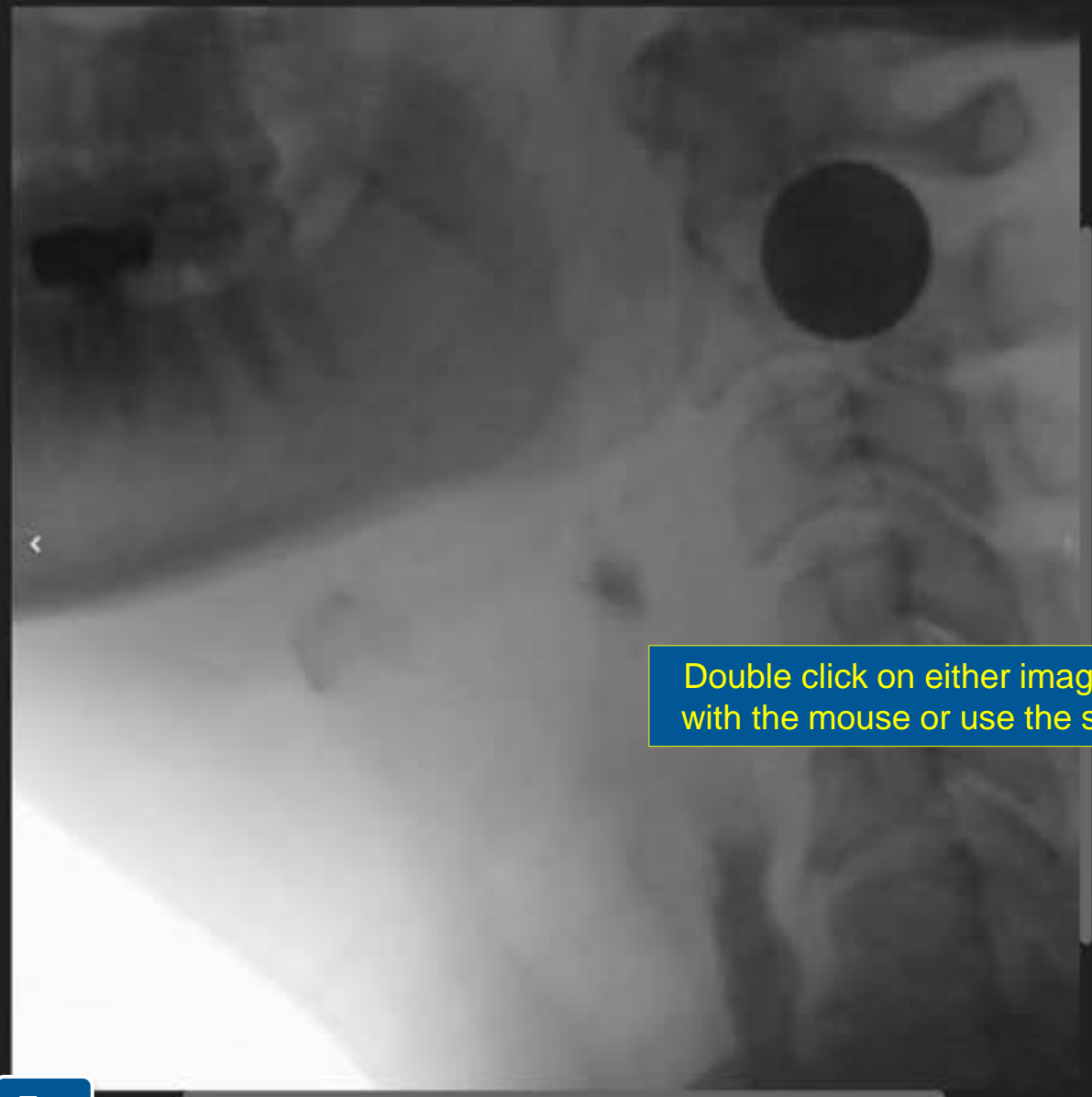
Use the arrows on either side to quickly navigate between individual series.



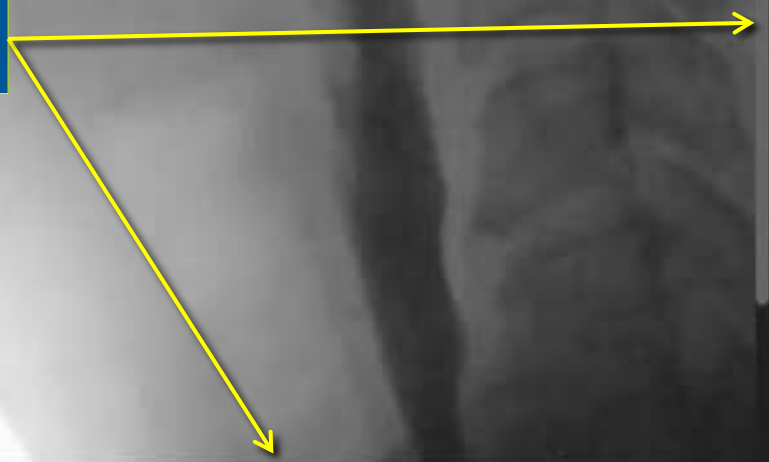
6 - 1/2 Shortbread Cookie (1 x 1 x .25) coa...

11/29/2022

14 - 1/2 Shortbread Cookie (1 x 1 x .25) coa...



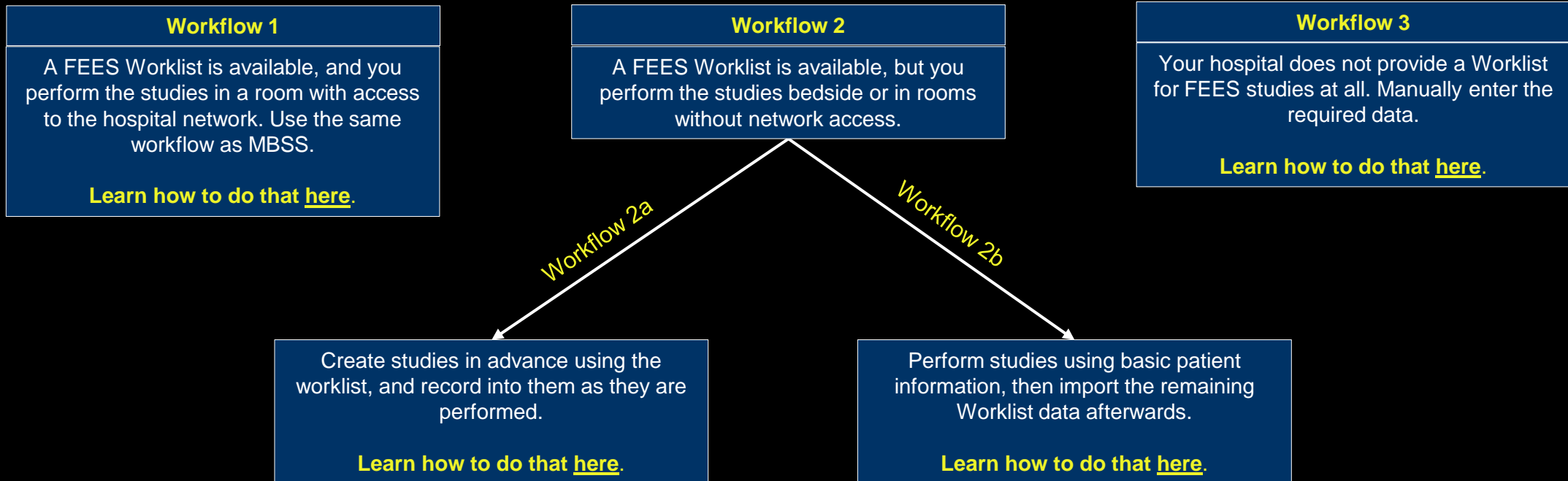
Double click on either image to zoom in. Grab the image with the mouse or use the sliders to view a specific area.



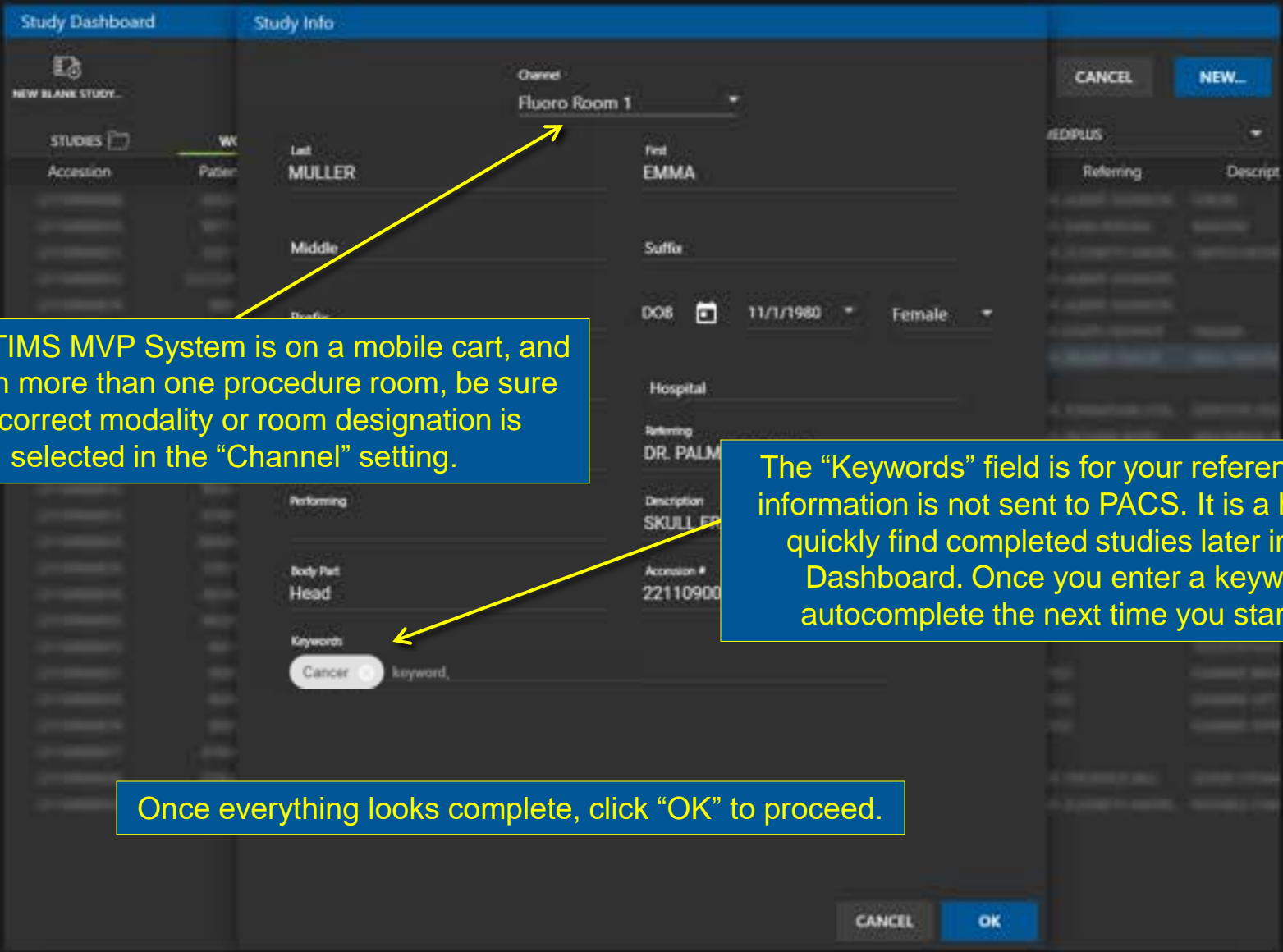
FEEES Workflow

When recording a FEES study with TIMS MVP there are several options for entering patient information.

Choose the option that matches your situation.



Follow the links to learn more about a specific workflow, then return here to continue with other FEES study options.



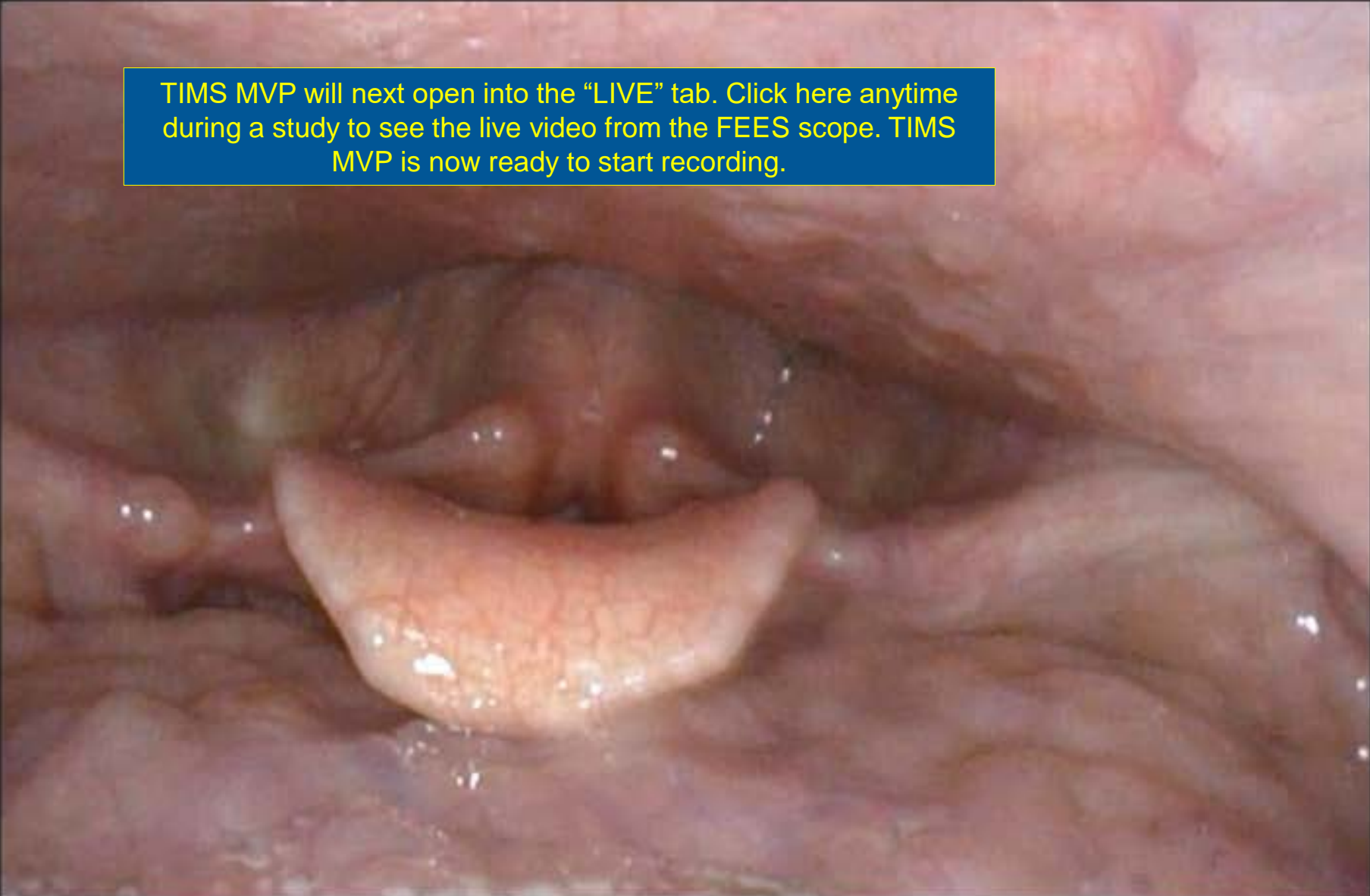
If your TIMS MVP System is on a mobile cart, and used in more than one procedure room, be sure the correct modality or room designation is selected in the “Channel” setting.

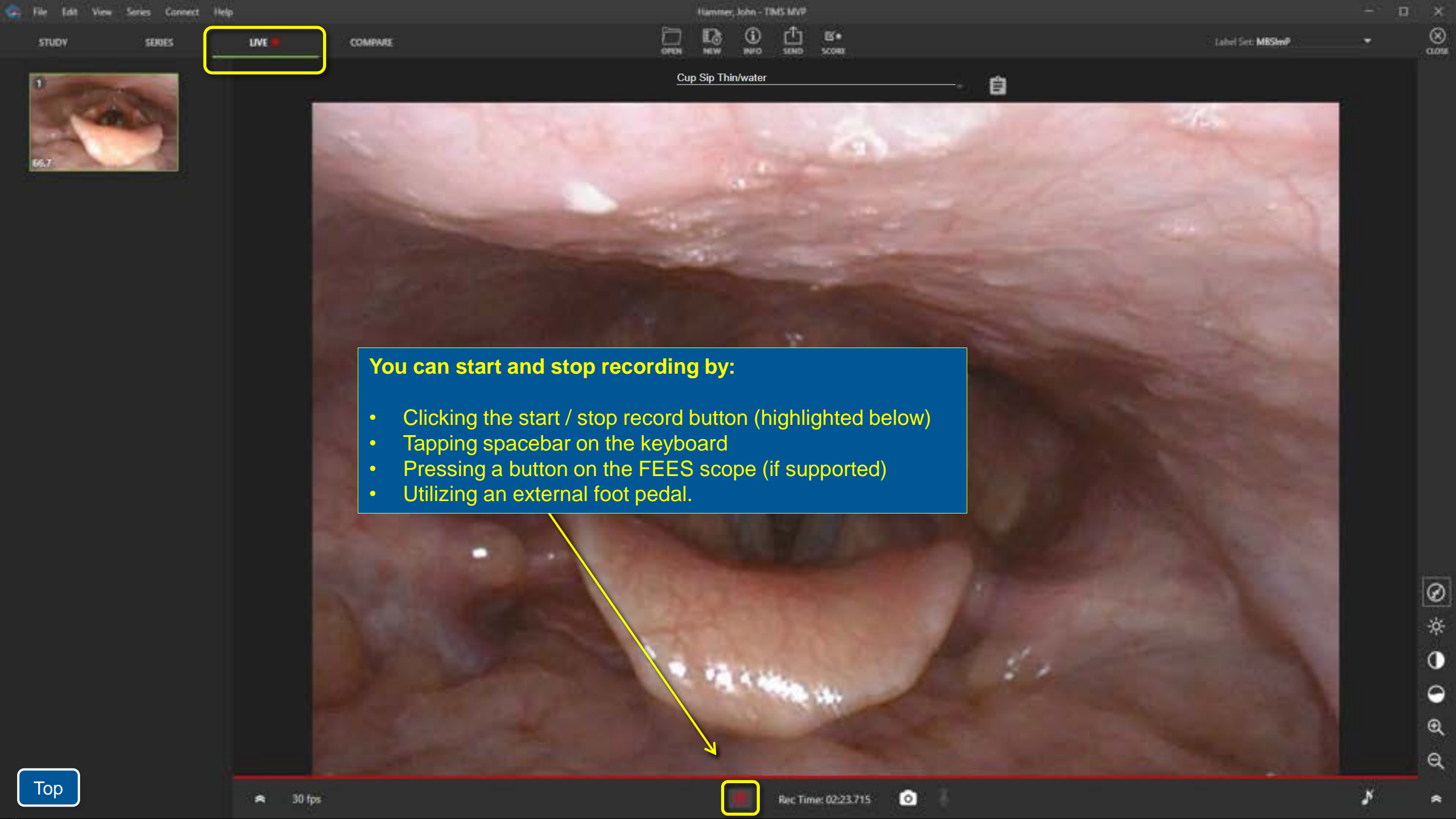
The “Keywords” field is for your reference only. This information is not sent to PACS. It is a handy way to quickly find completed studies later in the Study Dashboard. Once you enter a keyword, it will autocomplete the next time you start typing it.

Once everything looks complete, click “OK” to proceed.

Cup Sip Thin/water

TIMS MVP will next open into the "LIVE" tab. Click here anytime during a study to see the live video from the FEES scope. TIMS MVP is now ready to start recording.





LIVE

Cup Sip Thin/water

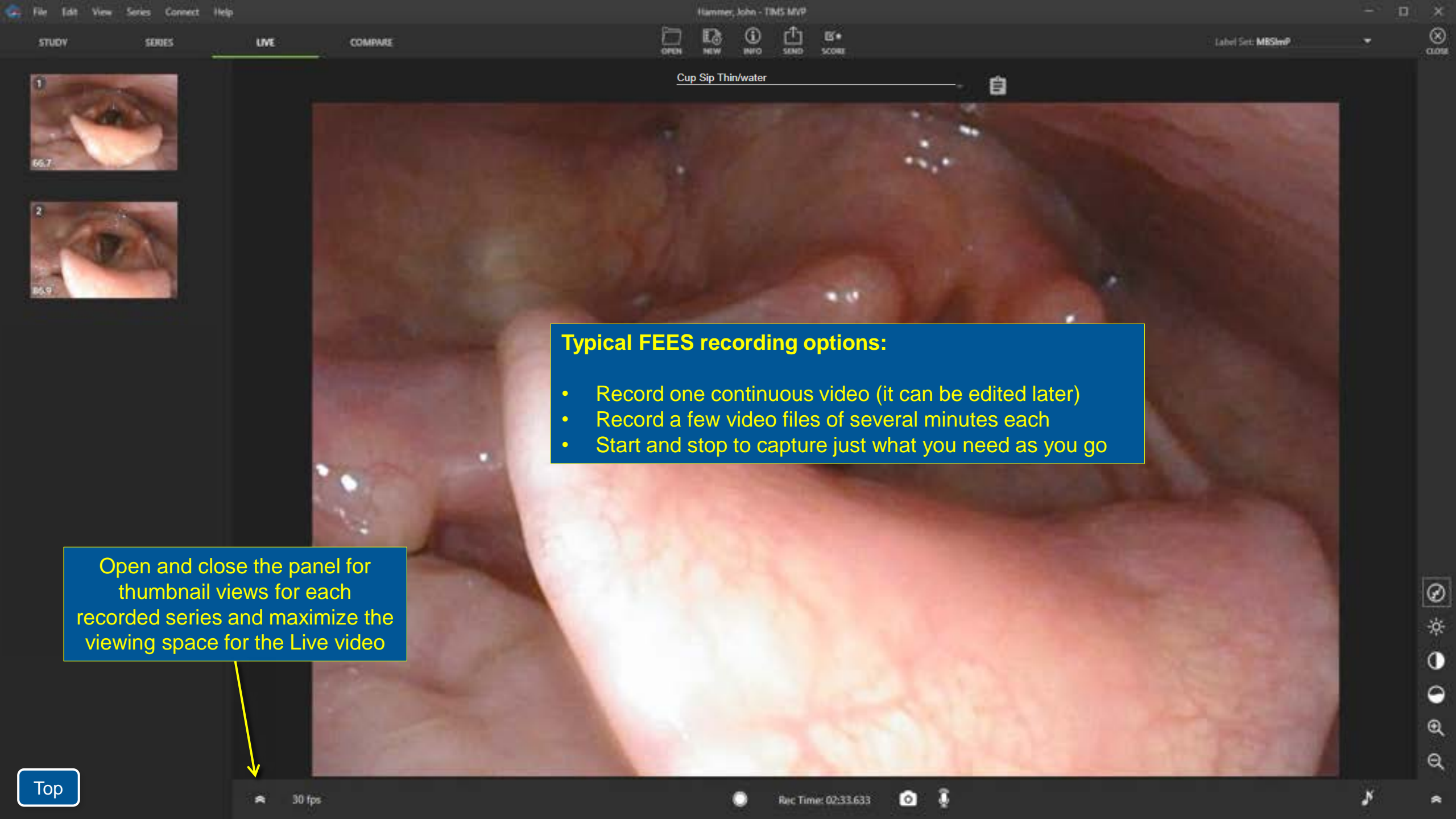
You can start and stop recording by:

- Clicking the start / stop record button (highlighted below)
- Tapping spacebar on the keyboard
- Pressing a button on the FEES scope (if supported)
- Utilizing an external foot pedal.

Top

30 fps

Rec Time: 02:23.715



Cup Sip Thin/water

Typical FEES recording options:

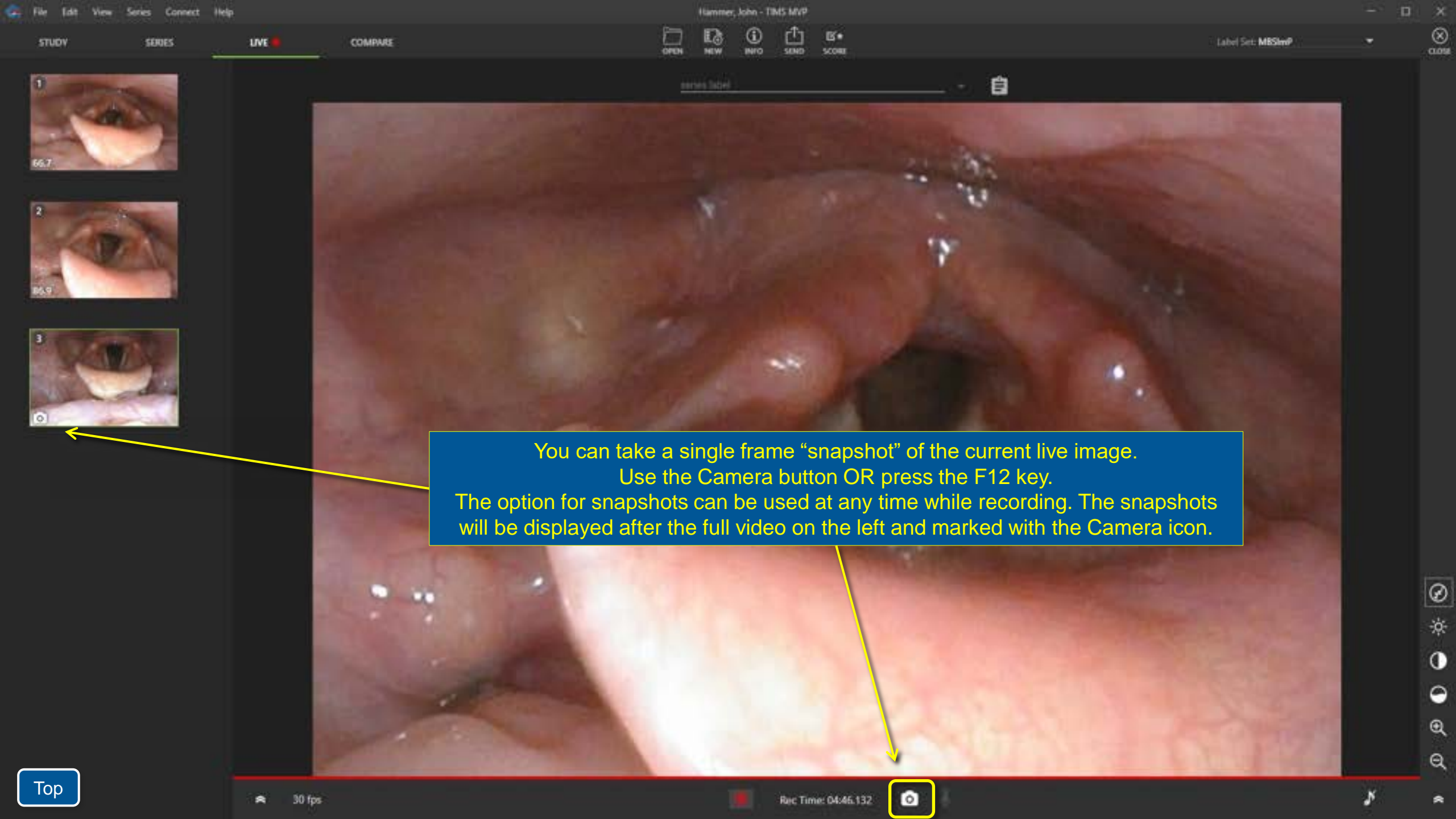
- Record one continuous video (it can be edited later)
- Record a few video files of several minutes each
- Start and stop to capture just what you need as you go

Open and close the panel for thumbnail views for each recorded series and maximize the viewing space for the Live video

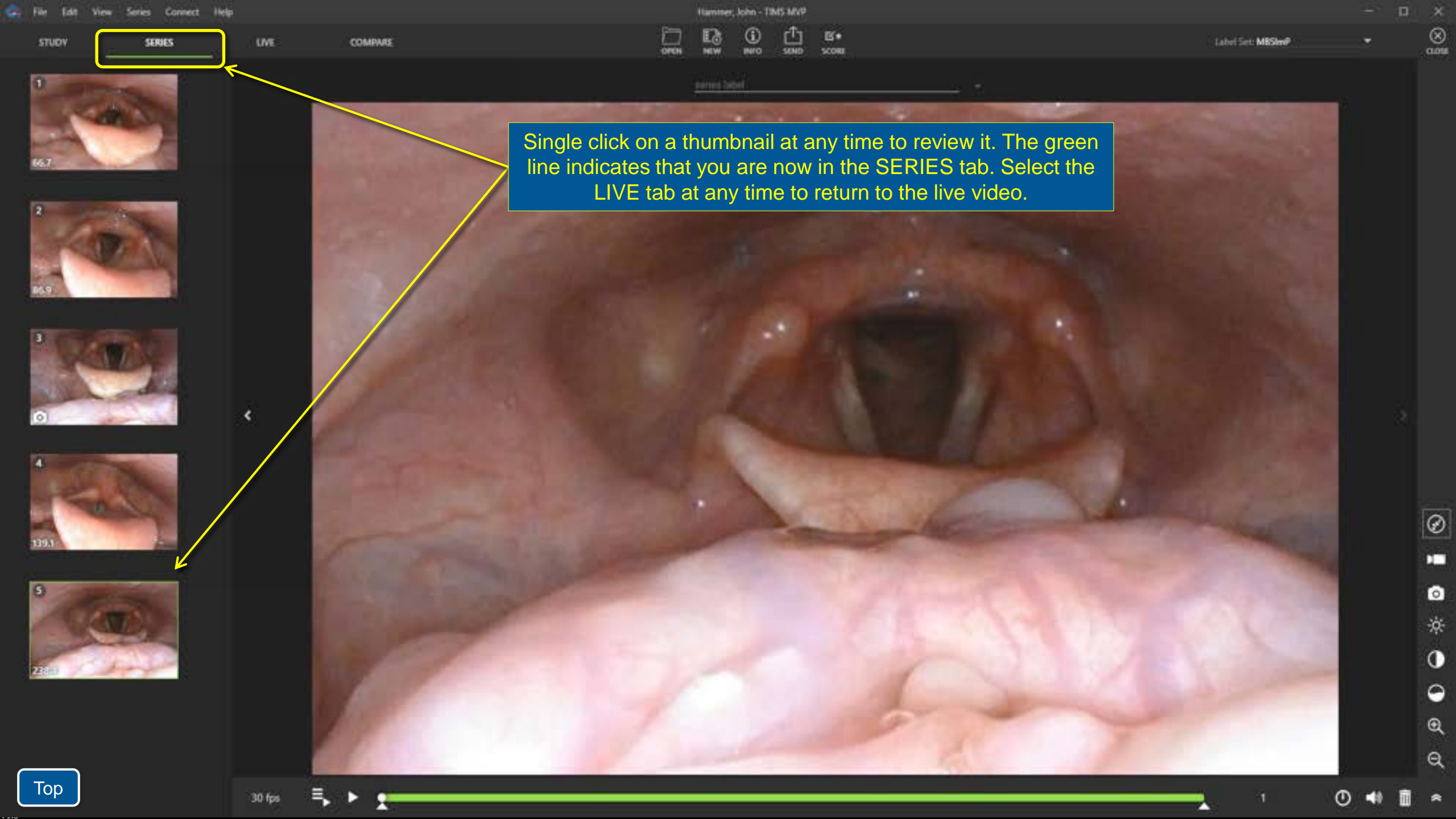
Top

30 fps

Rec Time: 02:33.633



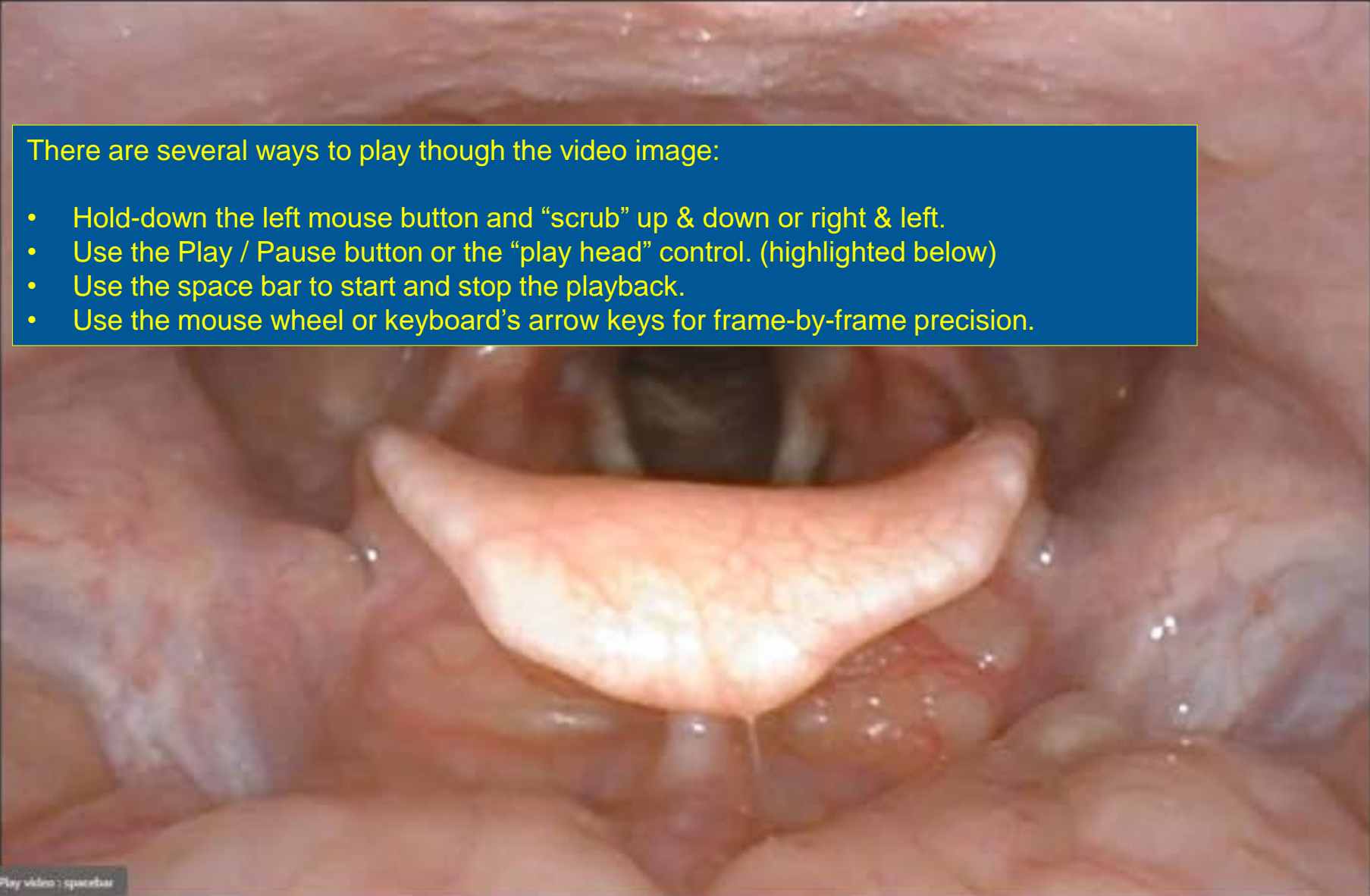
You can take a single frame "snapshot" of the current live image.
Use the Camera button OR press the F12 key.
The option for snapshots can be used at any time while recording. The snapshots will be displayed after the full video on the left and marked with the Camera icon.



SERIES

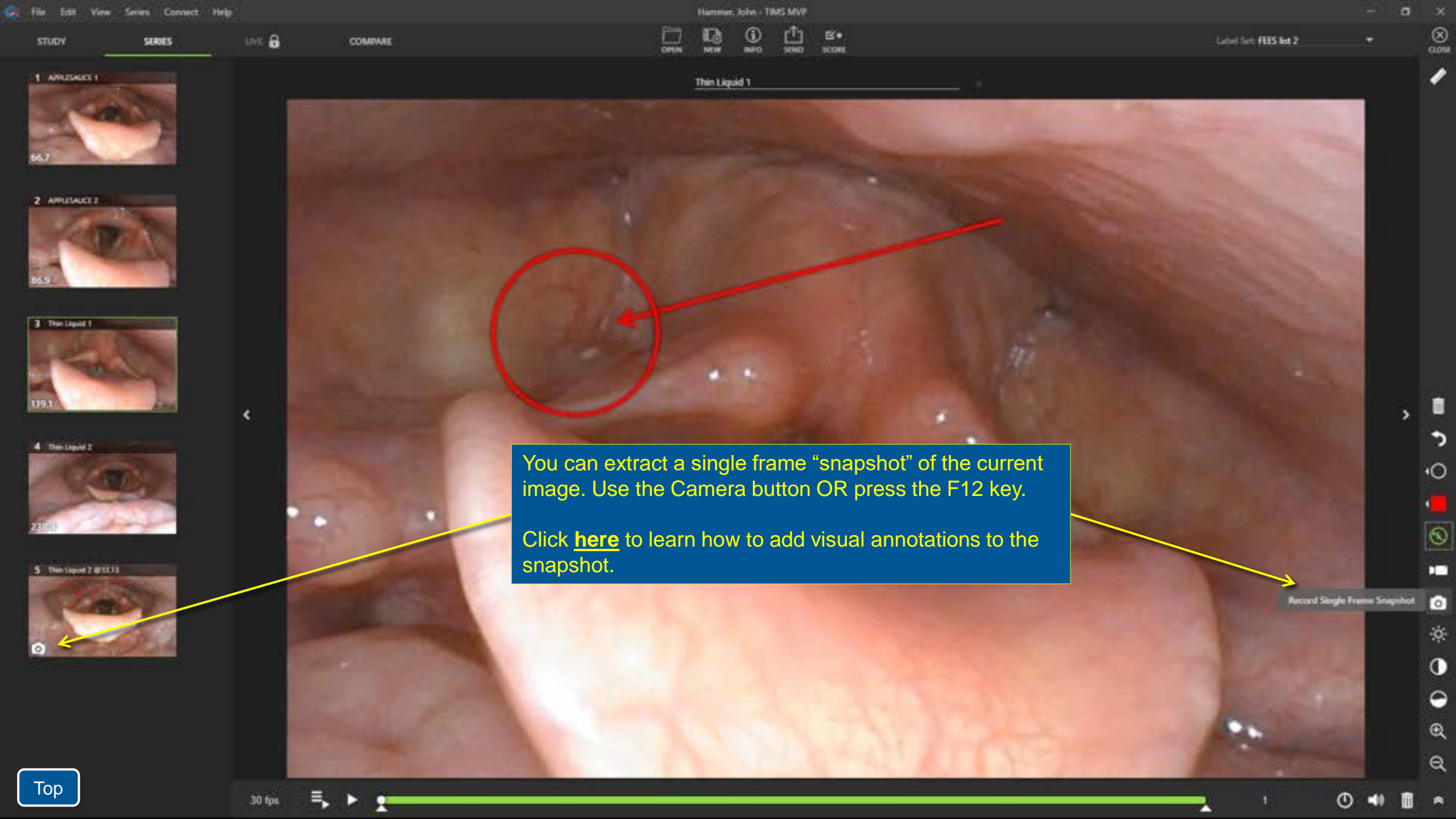
Single click on a thumbnail at any time to review it. The green line indicates that you are now in the SERIES tab. Select the LIVE tab at any time to return to the live video.

Top



There are several ways to play though the video image:

- Hold-down the left mouse button and “scrub” up & down or right & left.
- Use the Play / Pause button or the “play head” control. (highlighted below)
- Use the space bar to start and stop the playback.
- Use the mouse wheel or keyboard’s arrow keys for frame-by-frame precision.



1 APPLESAUCE 1

66.7

2 APPLESAUCE 2

86.9

3 Thin Liquid 1

139.1

4 Thin Liquid 2

236.1

5 Thin Liquid 2 @15.13

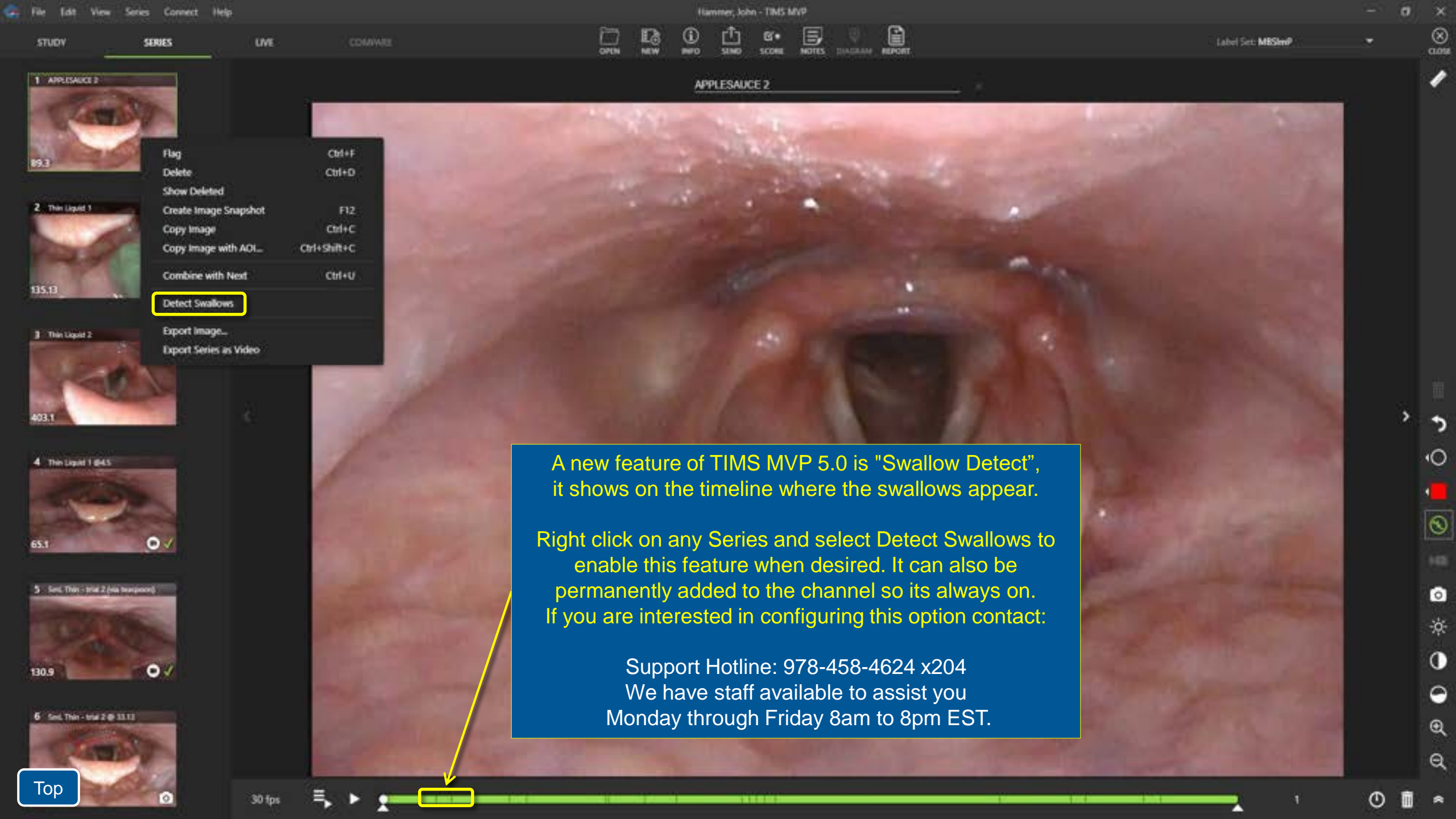
Thin Liquid 1

You can extract a single frame "snapshot" of the current image. Use the Camera button OR press the F12 key.
Click [here](#) to learn how to add visual annotations to the snapshot.

Record Single Frame Snapshot

Top

30 fps



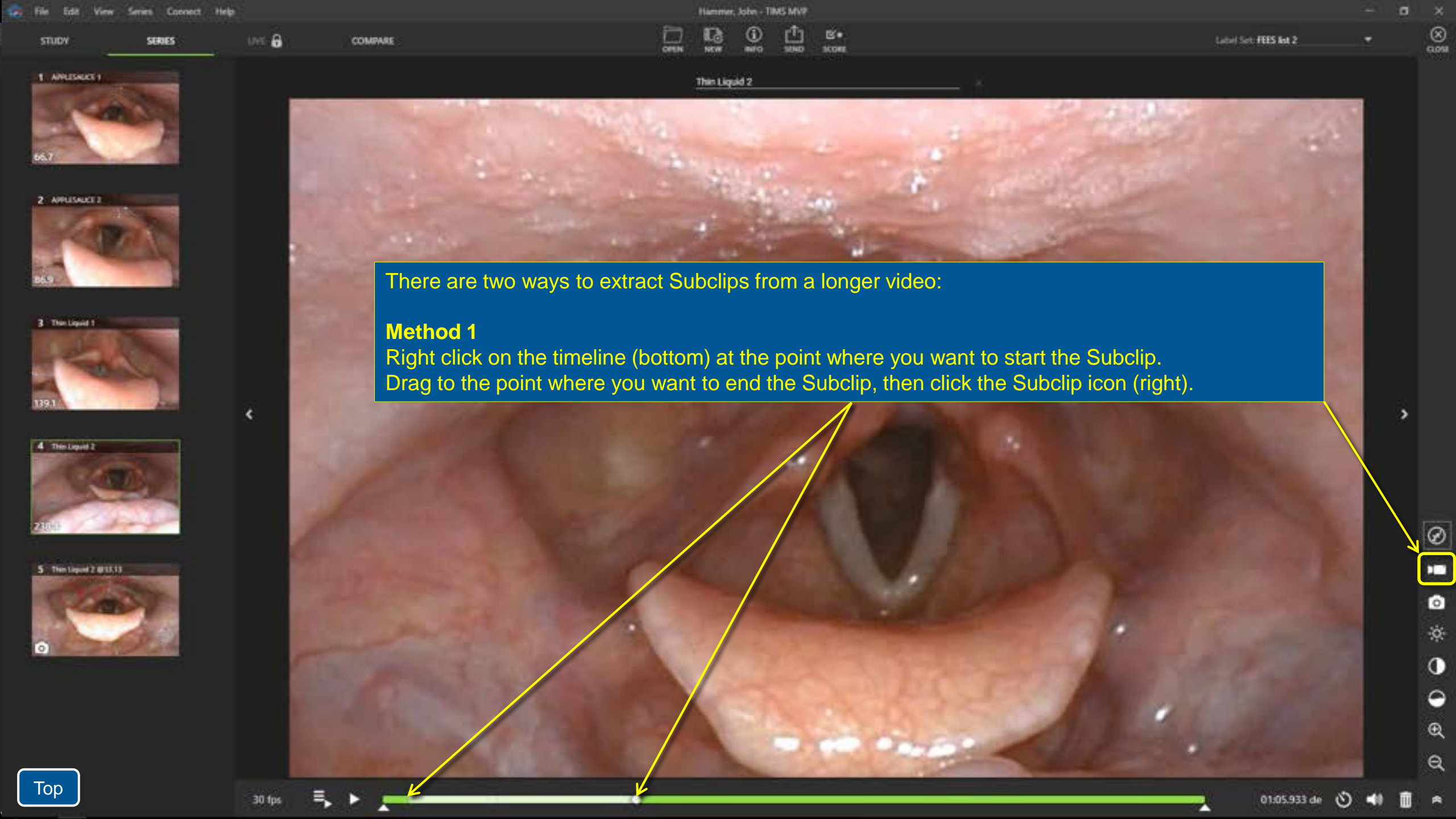
- Flag Ctrl+F
- Delete Ctrl+D
- Show Deleted
- Create Image Snapshot F12
- Copy Image Ctrl+C
- Copy Image with AOL... Ctrl+Shift+C
- Combine with Next Ctrl+U
- Detect Swallows**
- Export Image...
- Export Series as Video

A new feature of TMS MVP 5.0 is "Swallow Detect", it shows on the timeline where the swallows appear.

Right click on any Series and select Detect Swallows to enable this feature when desired. It can also be permanently added to the channel so its always on. If you are interested in configuring this option contact:

Support Hotline: 978-458-4624 x204
We have staff available to assist you
Monday through Friday 8am to 8pm EST.

Top



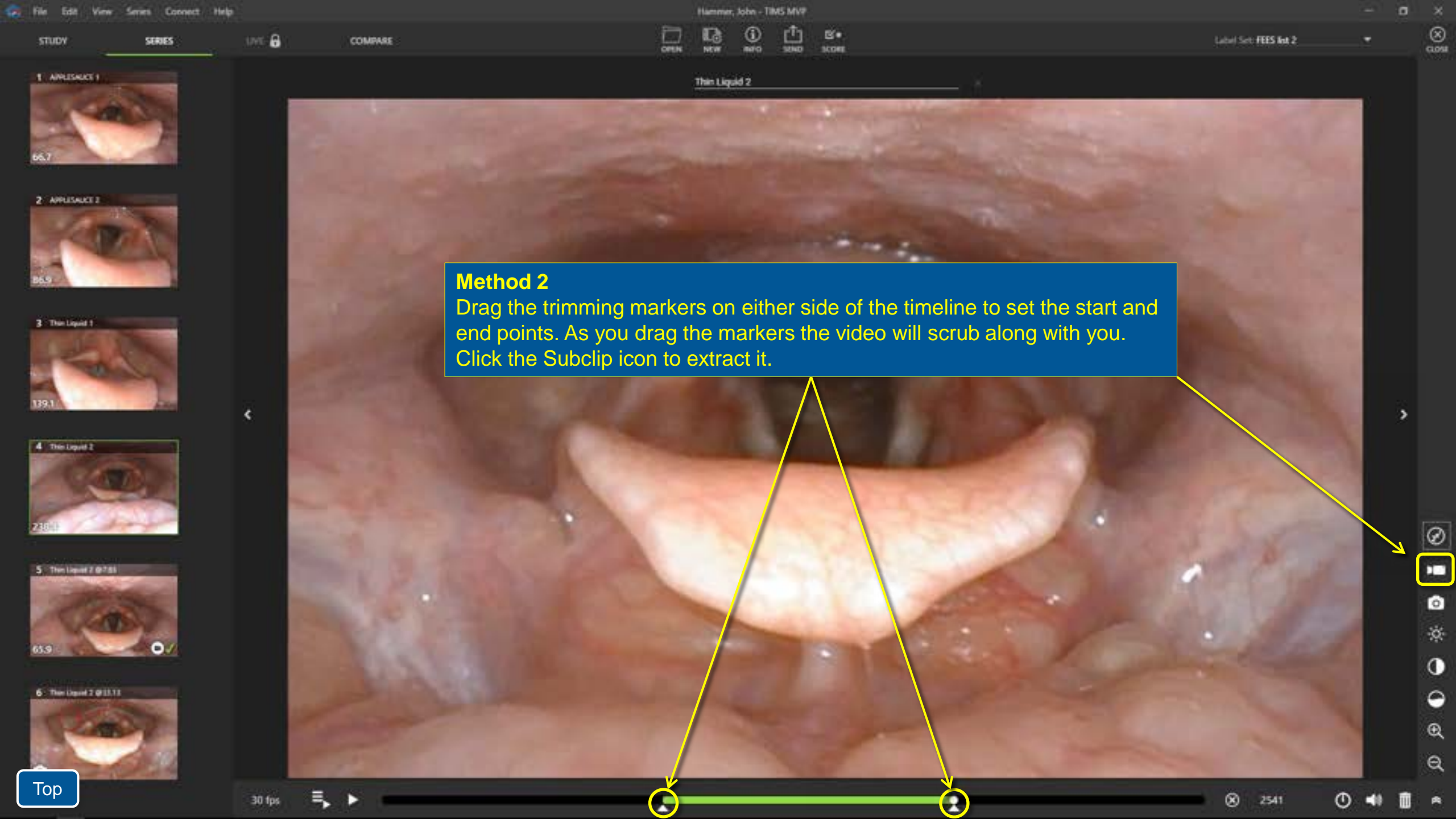
There are two ways to extract Subclips from a longer video:

Method 1
Right click on the timeline (bottom) at the point where you want to start the Subclip.
Drag to the point where you want to end the Subclip, then click the Subclip icon (right).

Top

30 fps

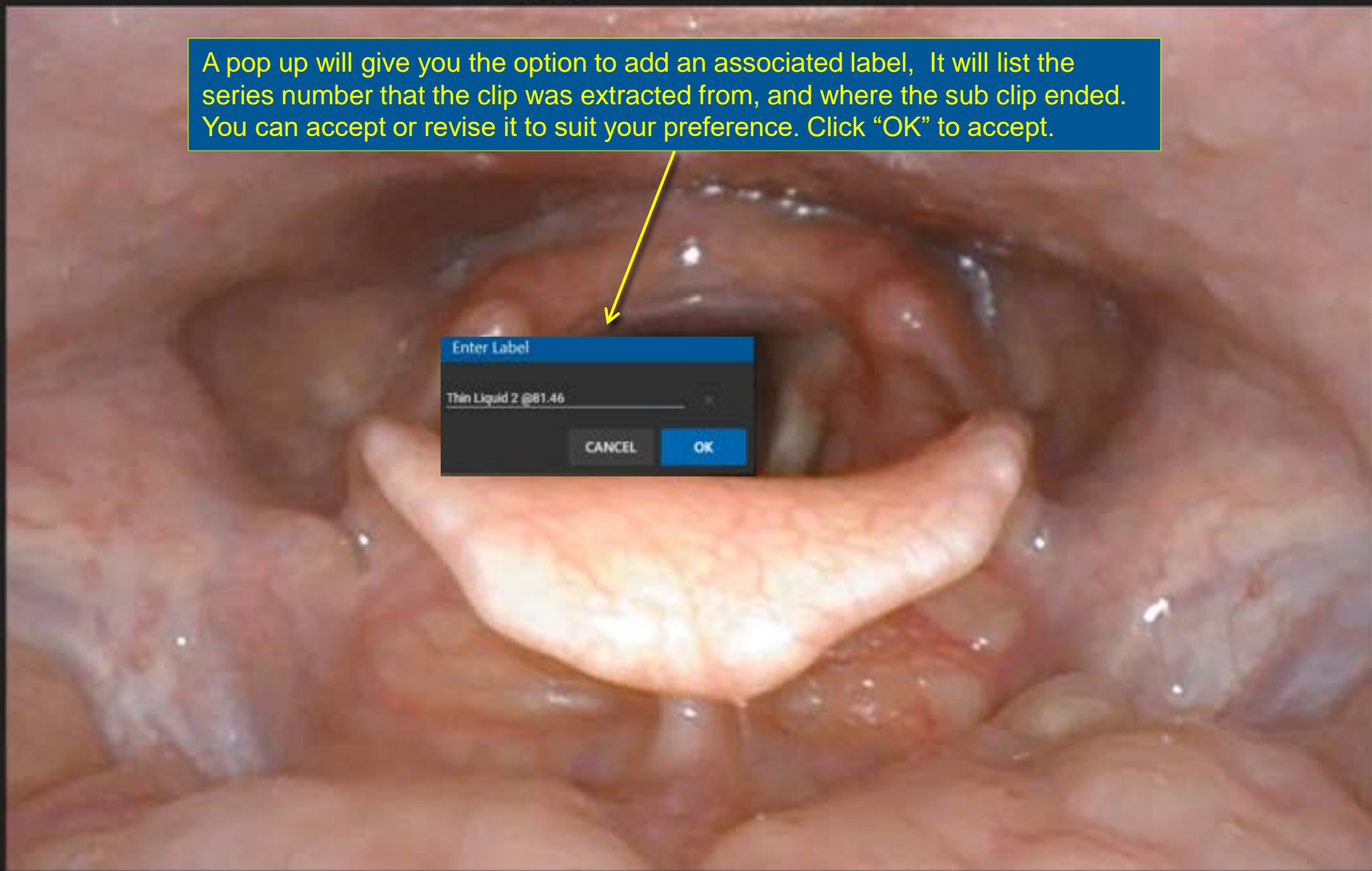
01:05.933 de



Method 2
Drag the trimming markers on either side of the timeline to set the start and end points. As you drag the markers the video will scrub along with you. Click the Subclip icon to extract it.

Top

- 1 APPLESauce 1 66.7
- 2 APPLESauce 2 86.9
- 3 Thin Liquid 1 139.1
- 4 Thin Liquid 2 218.3
- 5 Thin Liquid 2 @7.81 65.9
- 6 Thin Liquid 2 @11.11



A pop up will give you the option to add an associated label, It will list the series number that the clip was extracted from, and where the sub clip ended. You can accept or revise it to suit your preference. Click "OK" to accept.

Enter Label

Thin Liquid 2 @81.46

CANCEL OK

- 1 APPLESAUCE 1
66.7
- 2 APPLESAUCE 2
86.9
- 3 Thin Liquid 1
139.1
- 4 Thin Liquid 2
218.3
- 5 Thin Liquid 2 @ 7.81
65.9
- 6 Thin Liquid 2 @ 11.11

Thin Liquid 2

Click the down arrow to access existing labels.

Enter Label

series label

- APPLESAUCE 1
- APPLESAUCE 2
- Thin Liquid 1
- Thin Liquid 2

Top

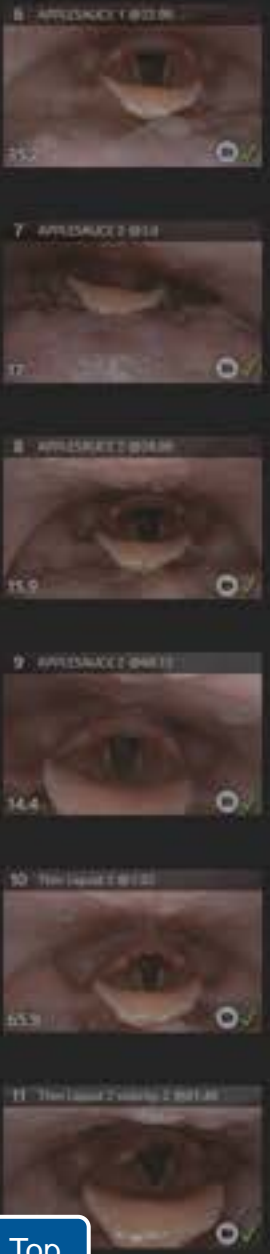


The new Subclip will be added to the study. Note the Video Camera icon indicating it is a Subclip. The Subclip is automatically flagged to be sent.

The duration of the Subclip is shown on the left.

Top

Add or remove any series you want to combine using the arrows. By default, all Subclips are selected automatically to save you time!



Create Composite Clip

Label

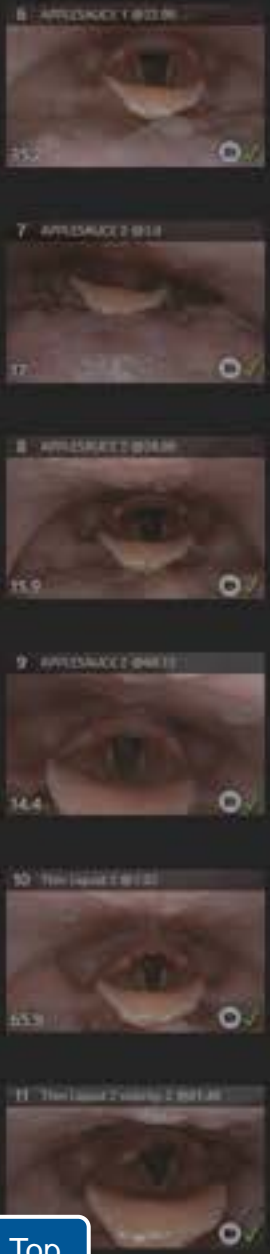
series label

Replace Included Series

	APPLESAUCE 1 66.70 Seconds / 51.31 MB	>	<		APPLESAUCE 1 @22.96 35.20 Seconds / 27.55 MB
	APPLESAUCE 2 86.90 Seconds / 67.71 MB	>	<		APPLESAUCE 2 @3.9 17.00 Seconds / 13.80 MB
	Thin Liquid 1 139.10 Seconds / 107.95 MB	>	<		APPLESAUCE 2 @26.96 15.90 Seconds / 12.75 MB
	Thin Liquid 2 238.40 Seconds / 184.46 MB	>	<		APPLESAUCE 2 @68.13 14.40 Seconds / 11.47 MB
	Thin Liquid 2 22.60 Seconds / 17.95 MB	>	<		Thin Liquid 2 @7.63 65.90 Seconds / 51.11 MB
			<		Thin Liquid 2 subclip 2... 84.60 Seconds / 66.21 MB

CANCEL OK





Drag the Triple Bar to rearrange the order for the images included in the Composite Clip.

Create Composite Clip

Label

KEY IMAGES x

Replace Included Series

	APPLESAUCE 1 66.70 Seconds / 51.31 MB	>	<		APPLESAUCE 1 @22.96 35.20 Seconds / 27.55 MB
	APPLESAUCE 2 86.90 Seconds / 67.71 MB	>	<		APPLESAUCE 2 @26.96 15.90 Seconds / 12.75 MB
	Thin Liquid 1 139.10 Seconds / 107.95 MB	>			APPLESAUCE 2 @68.13 14.40 Seconds / 11.47 MB
	Thin Liquid 2 238.40 Seconds / 184.46 MB	>	<		Thin Liquid 2 @7.63 65.90 Seconds / 51.11 MB
	Thin Liquid 2 22.60 Seconds / 17.95 MB	>	<		Thin Liquid 2 subclip 2... 84.60 Seconds / 66.21 MB
	APPLESAUCE 2 @3.9 17.00 Seconds / 13.80 MB	>	<		

CANCEL OK



Create the label you want for the new Composite Clip, and it will automatically label it for you.

Create Composite Clip

Label

KEY IMAGES

Replace Included Series

	APPLESAUCE 1 66.70 Seconds / 51.31 MB	>	<		APPLESAUCE 1 @22.96 35.20 Seconds / 27.55 MB
	APPLESAUCE 2 86.90 Seconds / 67.71 MB	>	<		APPLESAUCE 2 @26.96 15.90 Seconds / 12.75 MB
	Thin Liquid 1 139.10 Seconds / 107.95 MB	>	≡		APPLESAUCE 2 @68.13 14.40 Seconds / 11.47 MB
	Thin Liquid 2 238.40 Seconds / 184.46 MB	>	<		Thin Liquid 2 @7.63 65.90 Seconds / 51.11 MB
	Thin Liquid 2 22.60 Seconds / 17.95 MB	>	<		Thin Liquid 2 subclip 2.. 84.60 Seconds / 66.21 MB
	APPLESAUCE 2 @3.9 17.00 Seconds / 13.80 MB	>	<		

CANCEL OK

Select OK to combine those individual series.

9 APPESAUCE 2 @14.4



10 Thin Liquid 2 @17.81



11 Thin Liquid 2 subclip 2 @18.46



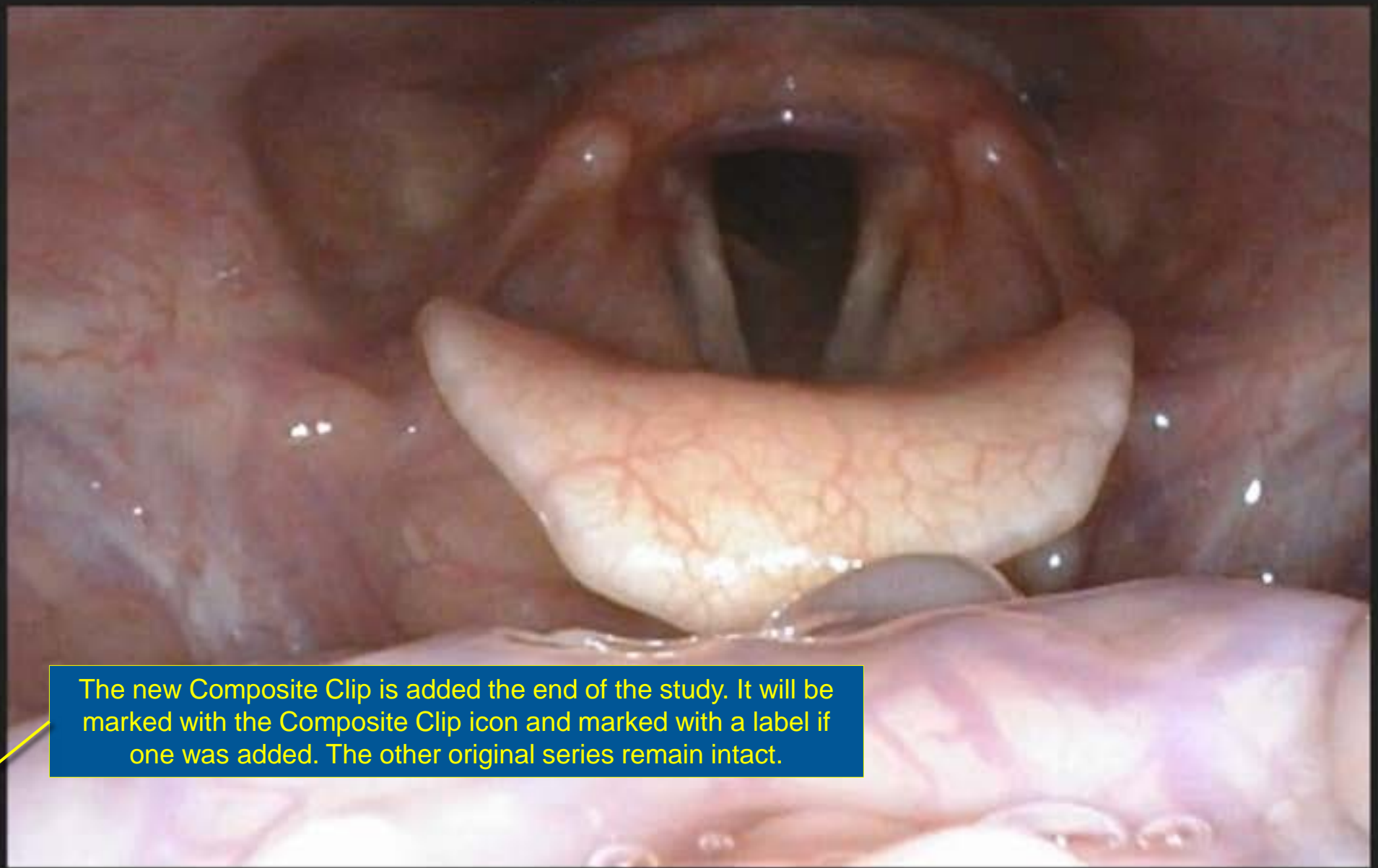
12 Thin Liquid 2 @18.13



13



14 KEY BANDS



The new Composite Clip is added the end of the study. It will be marked with the Composite Clip icon and marked with a label if one was added. The other original series remain intact.



Another option is to replace the smaller individual series with the newly created Composite Clip. This Composite Clip would take the place of the previous recordings.

Create Composite

Label

KEY IMAGES x

Replace Included Series

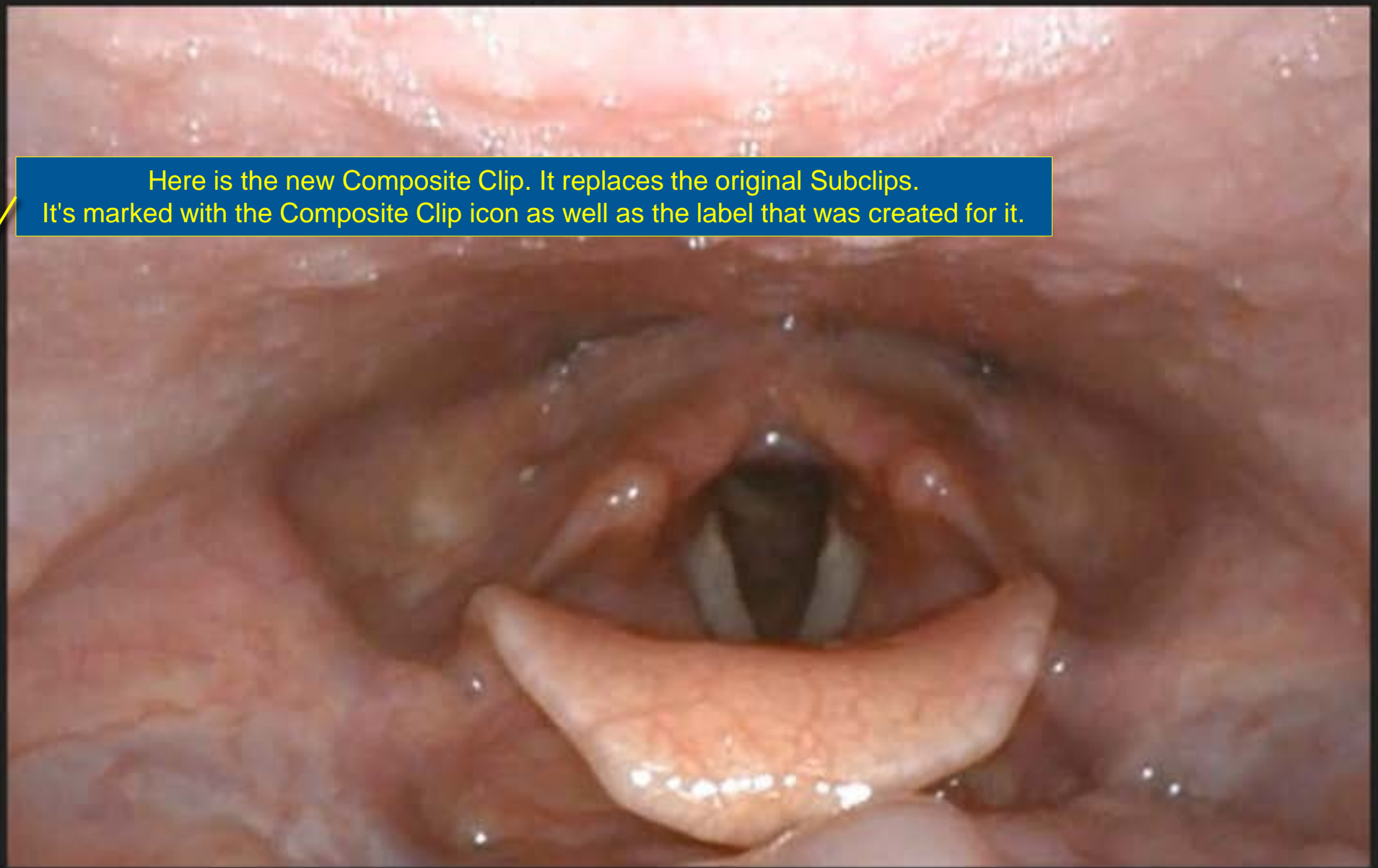
	APPLESAUCE 1 66.70 Seconds / 51.31 MB	<		APPLESAUCE 1 @22.96 35.20 Seconds / 27.55 MB
	APPLESAUCE 2 86.90 Seconds / 67.71 MB	<		APPLESAUCE 2 @26.96 15.90 Seconds / 12.75 MB
	Thin Liquid 1 139.10 Seconds / 107.95 MB	<		APPLESAUCE 2 @68.13 14.40 Seconds / 11.47 MB
	Thin Liquid 2 238.40 Seconds / 184.46 MB	<		Thin Liquid 2 @7.63 65.90 Seconds / 51.11 MB
	Thin Liquid 2 22.60 Seconds / 17.95 MB	<		Thin Liquid 2 subclip 2.. 84.60 Seconds / 66.21 MB
	APPLESAUCE 2 @3.9 17.00 Seconds / 13.80 MB	<		

CANCEL OK

Series: Subcut

- 4 Thin Lipid 2 73.0
- 5 Thin Lipid 2 72.6
- 6 APPEARANCE 2 @ 1.9 17.0
- 7 KEY BANDS 217.6
- 8 Thin Lipid 2 @ 15.11
- 9

Here is the new Composite Clip. It replaces the original Subclips. It's marked with the Composite Clip icon as well as the label that was created for it.



Top

Vertical toolbar with icons for navigation and editing, including a magnifying glass, a trash can, and other standard software controls.

STUDY

SERIES

LIVE

COMPARE

OPEN NEW INFO SEND SCORE

Label Set: FEES list

CLOSE

- 1 APPLESauce 1
66.7
- 2 APPLESauce 1 @1.86
30
- 3 APPLESauce 1 & 2 COMBID
302.7
- 4 Thin Liquid 1
238.0
- 5 Thin Liquid 2
66
- 6 Thin Liquid 2 @25.6
- 7 Thin Liquid 1 @146.81

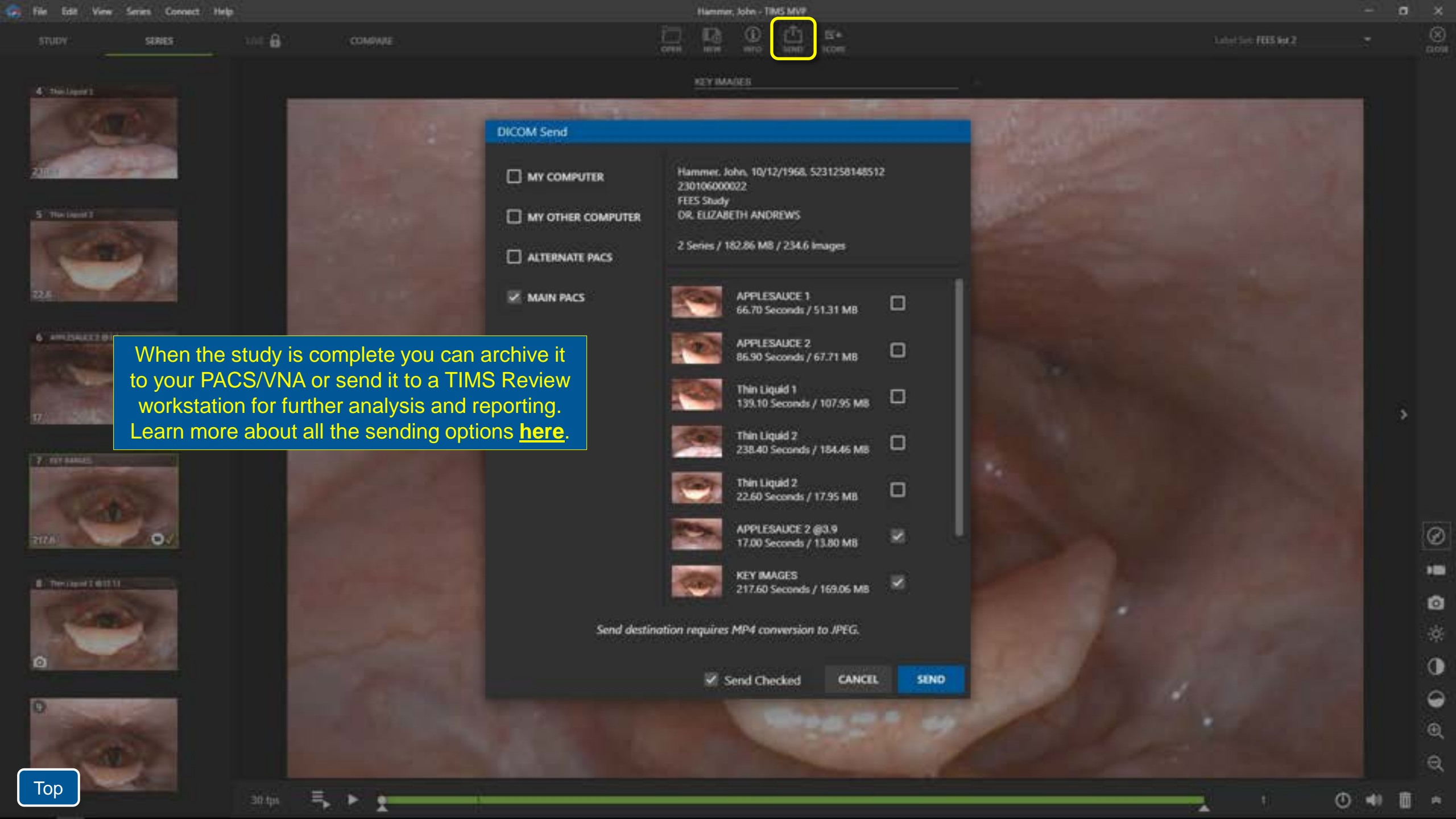
Thin Liquid 2 @25.6



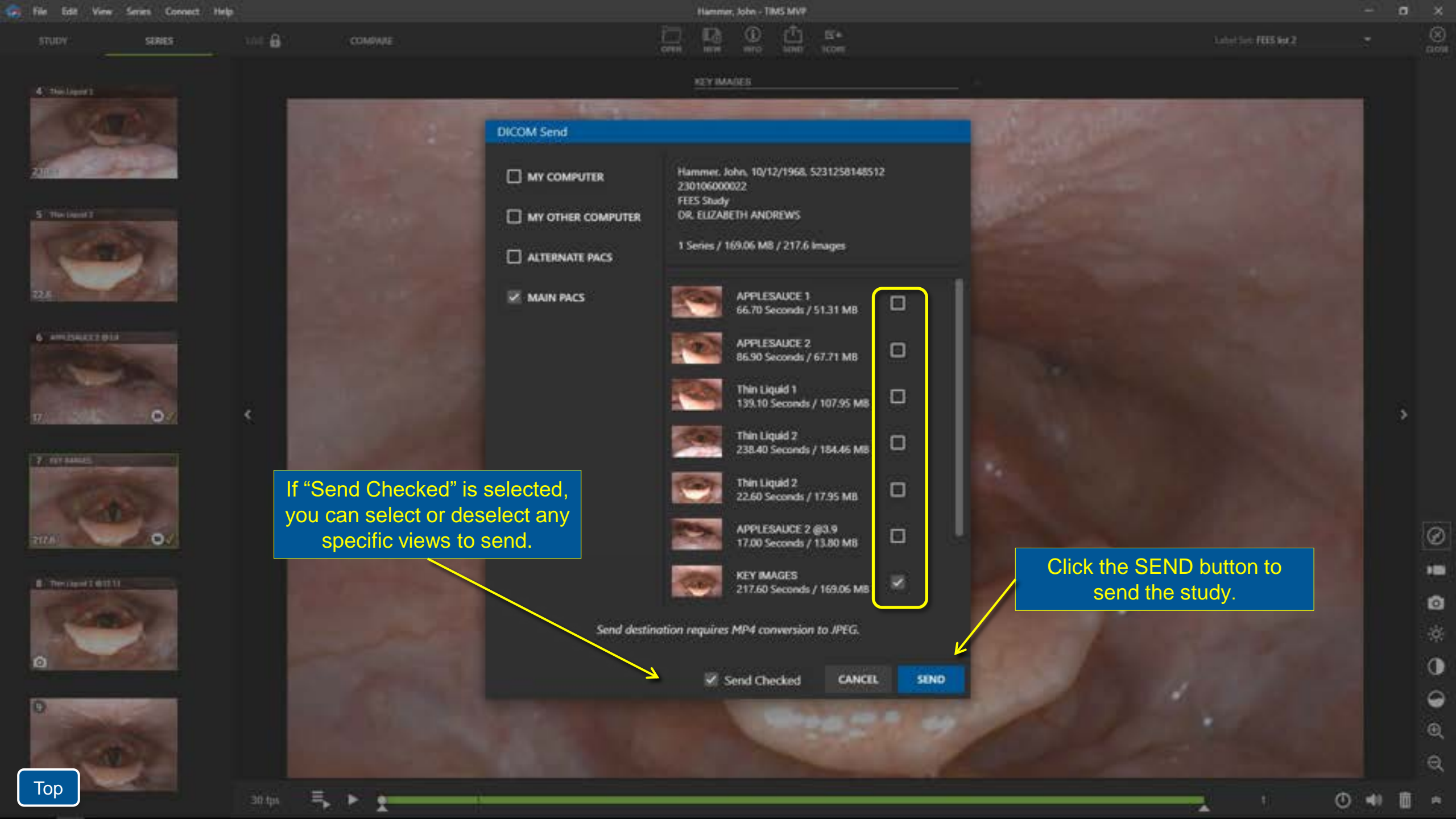
The "Saturation" control can be used with FEES studies to help make a dyed bolus more visible. Single click the control to reset it to the default.

Control panel on the right side of the interface, including icons for zoom, pan, and other video controls. A yellow box highlights the saturation control icon, which is a green circle with a white dot.

Top



When the study is complete you can archive it to your PACS/VNA or send it to a TIMS Review workstation for further analysis and reporting. Learn more about all the sending options [here](#).



If "Send Checked" is selected, you can select or deselect any specific views to send.

Click the SEND button to send the study.

Top

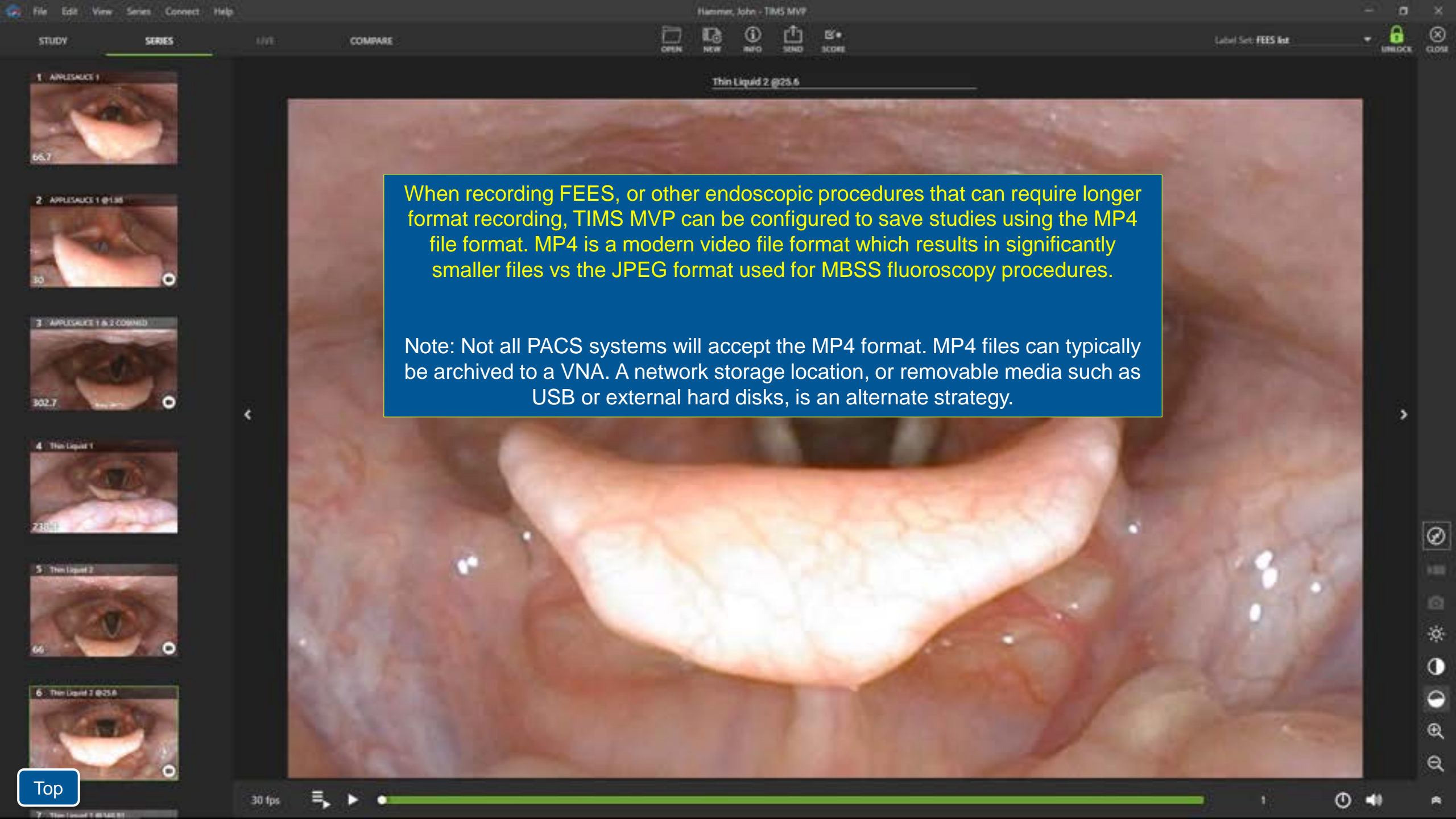
Thin Liquid 2 @25.6

- 1 APPLESAUCE 1
66.7
- 2 APPLESAUCE 1 @1.86
30
- 3 APPLESAUCE 1 & 2 COMBID
302.7
- 4 Thin Liquid 1
238.0
- 5 Thin Liquid 2
66
- 6 Thin Liquid 2 @25.6
- 7 Thin Liquid 1 @1.86 91



Once you decide to send the study it will be locked from further editing or recording. The study can be manually unlocked later if necessary.

Top



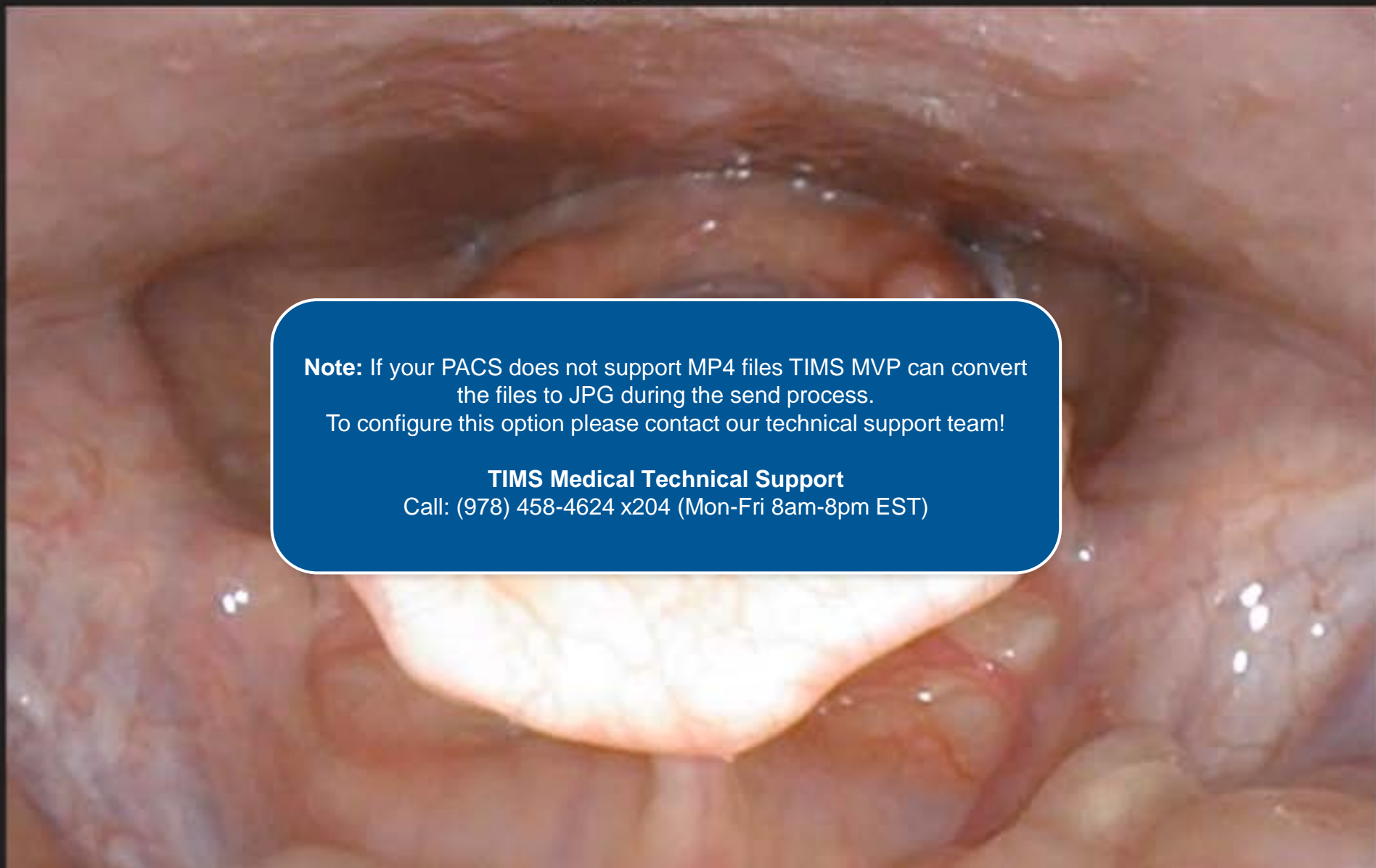
When recording FEES, or other endoscopic procedures that can require longer format recording, TMS MVP can be configured to save studies using the MP4 file format. MP4 is a modern video file format which results in significantly smaller files vs the JPEG format used for MBSS fluoroscopy procedures.

Note: Not all PACS systems will accept the MP4 format. MP4 files can typically be archived to a VNA. A network storage location, or removable media such as USB or external hard disks, is an alternate strategy.

Top

- 1 APPLESauce 1
66.7
- 2 APPLESauce 1 @1.86
30
- 3 APPLESauce 1 & 2 COMBID
302.7
- 4 Thin Liquid 1
218.0
- 5 Thin Liquid 2
66
- 6 Thin Liquid 2 @25.6
- 7 Thin Liquid 1 @1.86 91

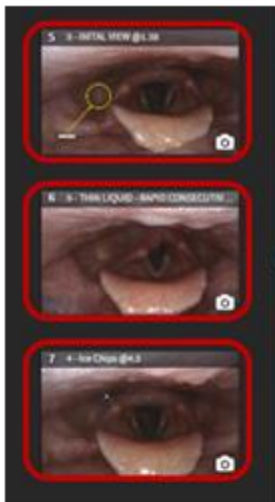
Thin Liquid 2 @25.6



Note: If your PACS does not support MP4 files TIMS MVP can convert the files to JPG during the send process. To configure this option please contact our technical support team!

TIMS Medical Technical Support
Call: (978) 458-4624 x204 (Mon-Fri 8am-8pm EST)

Top



Scorecards

PAS

Thin liquid	1
Nectar thick	2
Honey thick	2
Pudding thick	1
Cookie	1

Notes

FEES Sample

STUDY SERIES (4 - ICE CHIPS)

Administered by [Cup|Spoon|Straw|Spoon/fork|Self-fed|Fed by examiner]

Amounts: ***

Volitional cough during trials: [Yes|No]

Volitional throat clear during trials: [Yes|No]

Spontaneous cough during trials: [Yes|No]

Swallowing duration (introduction of bolus to completion of pharyngeal stage): ***sec.

Penetration: [None|Before swallow|During swallow|After swallow]

Aspiration: [None|Before swallow|During swallow|After swallow]

Response to Aspiration: ***

Base of tongue excursion: Adequate Reduced: ***

Test Patient

TIMS Medical Center

Department of Speech Pathology and Swallowing
Adult Flexible Endoscopic Evaluation of Swallowing (FEES)

Name: Test Patient
Date of Exam: 5/24/2023

Study Imagery

3 - INITIAL VIEW @1.38 5 - THIN LIQUID - STRAW 4 - ICE CHIPS @4.3

Penetration-Aspiration Scale:

COMPONENT	Scale	SCORE
1 Thin liquid	(1-5)	2 Contrast entered the airway, remained above the vocal folds, and was ejected from the airway.
2 Nectar thick	(1-5)	2 Contrast entered the airway, remained above the vocal folds, and was ejected from the airway.
3 Honey thick	(1-5)	3 Contrast entered the airway, remained above the vocal folds, and was not ejected from the airway.
4 Pudding thick	(1-5)	1 Contrast did not enter the airway
5 Cookie	(1-5)	1 Contrast did not enter the airway

Trial 1: 4 - Ice Chips

Administered by Cup
Amounts: 5ml
Volitional cough during trials: Yes
Volitional throat clear during trials: No
Spontaneous cough during trials: Yes
Swallowing duration (introduction of bolus to completion of pharyngeal stage): 3 sec.
Penetration: Before swallow
Aspiration: None
Response to Aspiration: Cough
Base of tongue excursion: Adequate Reduced: n/a
Residue Location: N/A
Residue remaining after attempt to clear: Trace
Therapeutic management strategies attempted and response: N/A

Trial 2: 2 - INITIAL VIEW

Administered by
Amounts:

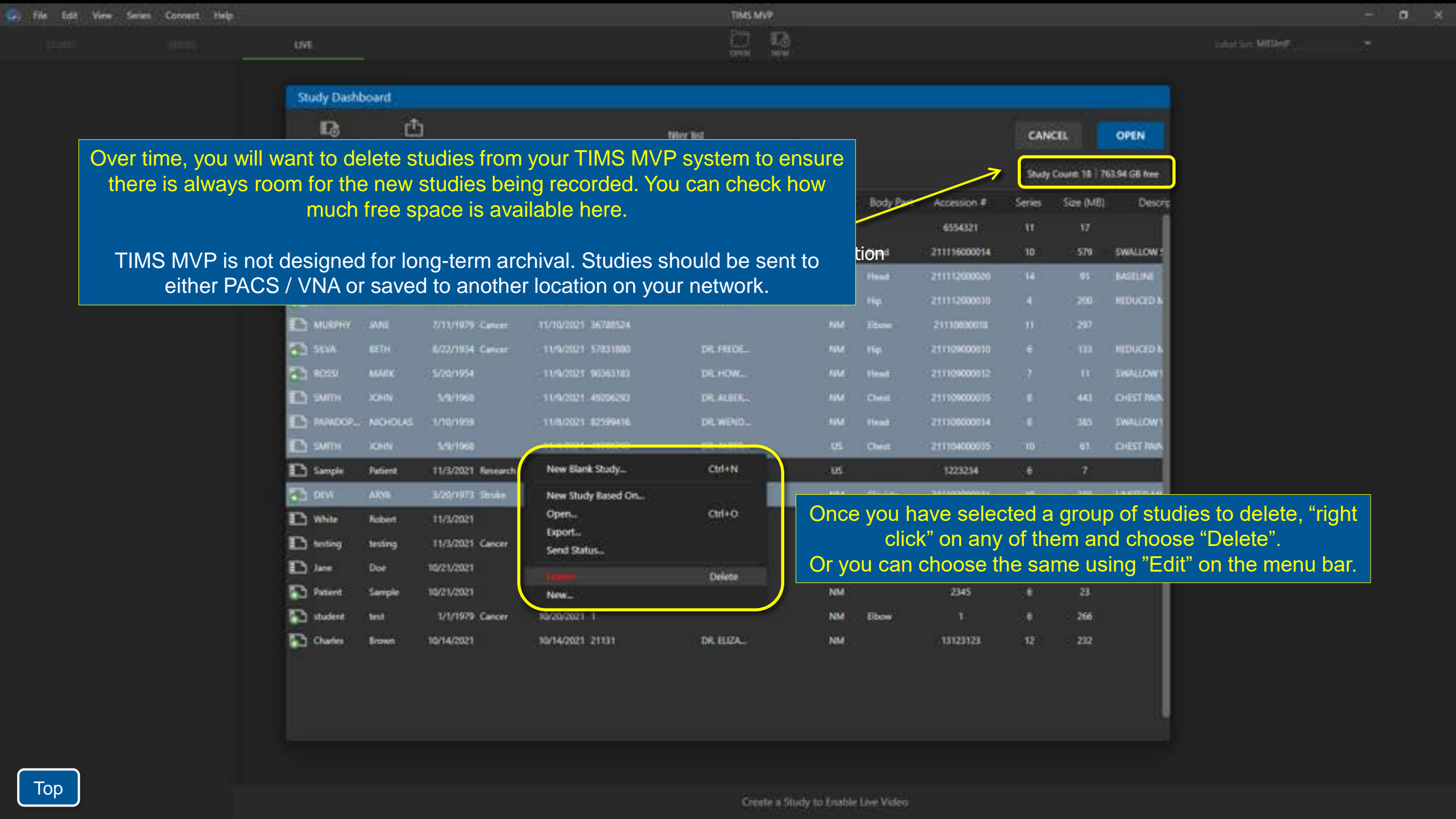
1/2

Reporting and Notes are available with TIMS MVP 5.0. Register for training with the link below.

[Register Here](#)

Or send an email to training@tims.com.

Study List Maintenance



Over time, you will want to delete studies from your TIMS MVP system to ensure there is always room for the new studies being recorded. You can check how much free space is available here.

TIMS MVP is not designed for long-term archival. Studies should be sent to either PACS / VNA or saved to another location on your network.

CANCEL OPEN

Study Count: 18 | 763.94 GB free

Body Part	Accession #	Series	Size (MB)	Descr
	6554321	11	17	
	211116000014	10	579	SWALLOW 5
Head	211112000020	14	95	BASELINE
Hip	211112000010	4	200	REDUCED &
	211108000010	11	297	
Hip	211109000010	6	133	REDUCED &
Head	211109000012	7	11	SWALLOW 1
Chest	211109000015	8	443	CHEST PAIR
Head	211106000014	8	365	SWALLOW 1
Chest	211104000015	10	61	CHEST PAIR
US	1223234	6	7	
	2345	6	23	
Elbow	1	6	266	
	13123123	12	232	

- New Blank Study... Ctrl+N
- New Study Based On...
- Open... Ctrl+O
- Export...
- Send Status...
- Delete**
- New...

Once you have selected a group of studies to delete, "right click" on any of them and choose "Delete". Or you can choose the same using "Edit" on the menu bar.

Study Dashboard

NEW BLANK STUDY... SEND... Filter list CANCEL OPEN

Study Count: 18 | 763.56 GB free

STUDIES

Last	First	D	W	Series	Size (MB)	Descr	
Bob	Jones	11/3/2021		11	17		
PARADOP...	NICHOLAS	1/10/1959		10	579	SWALLOW 5	
DA SILVA	MIGUEL	5/9/1968		14	95	BASELINE	
SEVA	BETH	8/22/1934	Cancer	4	200	REDUCED &	
MURPHY	JANE	7/11/1979	Cancer	11	297		
SEVA	BETH	8/22/1934	Cancer	6	133	REDUCED &	
ROSSI	MARK	5/20/1954		11109000010	7	11	SWALLOW 1
SMITH	JOHNY	5/9/1968		11109000012	8	443	CHEST PAW
PARADOP...	NICHOLAS	1/10/1959		11109000015	8	365	SWALLOW 1
SMITH	JOHNY	5/9/1968		11104000014	10	61	CHEST PAW
Sample	Patient	11/3/2021	Research	11104000015	10	61	CHEST PAW
DEW	AKYA	3/20/1973	Stroke	1223234	6	7	
White	Robert	11/3/2021		211103000011	10	180	LIMITED MI
testing	testing	11/3/2021	Cancer	4321	11	30	
Jane	Doe	10/21/2021		231	7	14	
Patient	Sample	10/21/2021		90909099	2	7	
student	test	1/1/1979	Cancer	2345	6	23	
Charles	Brown	10/14/2021		1	6	266	
		10/14/2021		13123123	12	232	

You will be prompted to confirm the deletion. TMS MVP will also provide a notification if you are about to delete a study that has not been archived elsewhere.

Click "Confirm" and then "Delete" to complete the process.

Delete Study

This will permanently delete a study that has not been Sent or Exported.

Confirmed CANCEL DELETE

Creating and Editing Label Sets



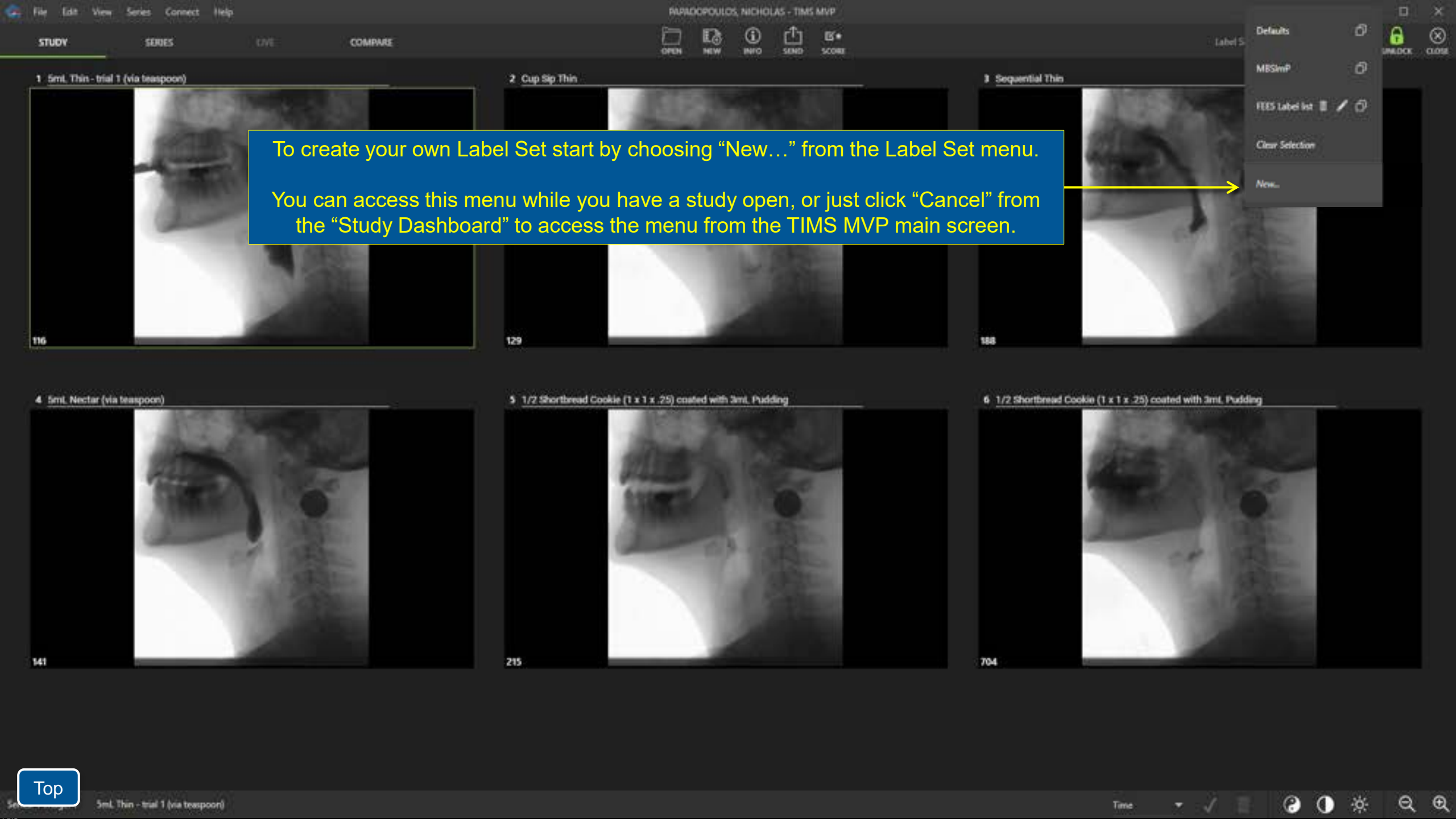
TIMS MVP ships with the built-in label sets "Defaults" and "MBSImP". These can be duplicated as the basis for a new label set, but not edited or deleted.

- Defaults
- MBSImP
- FEES Label list
- Clear Selection
- New...

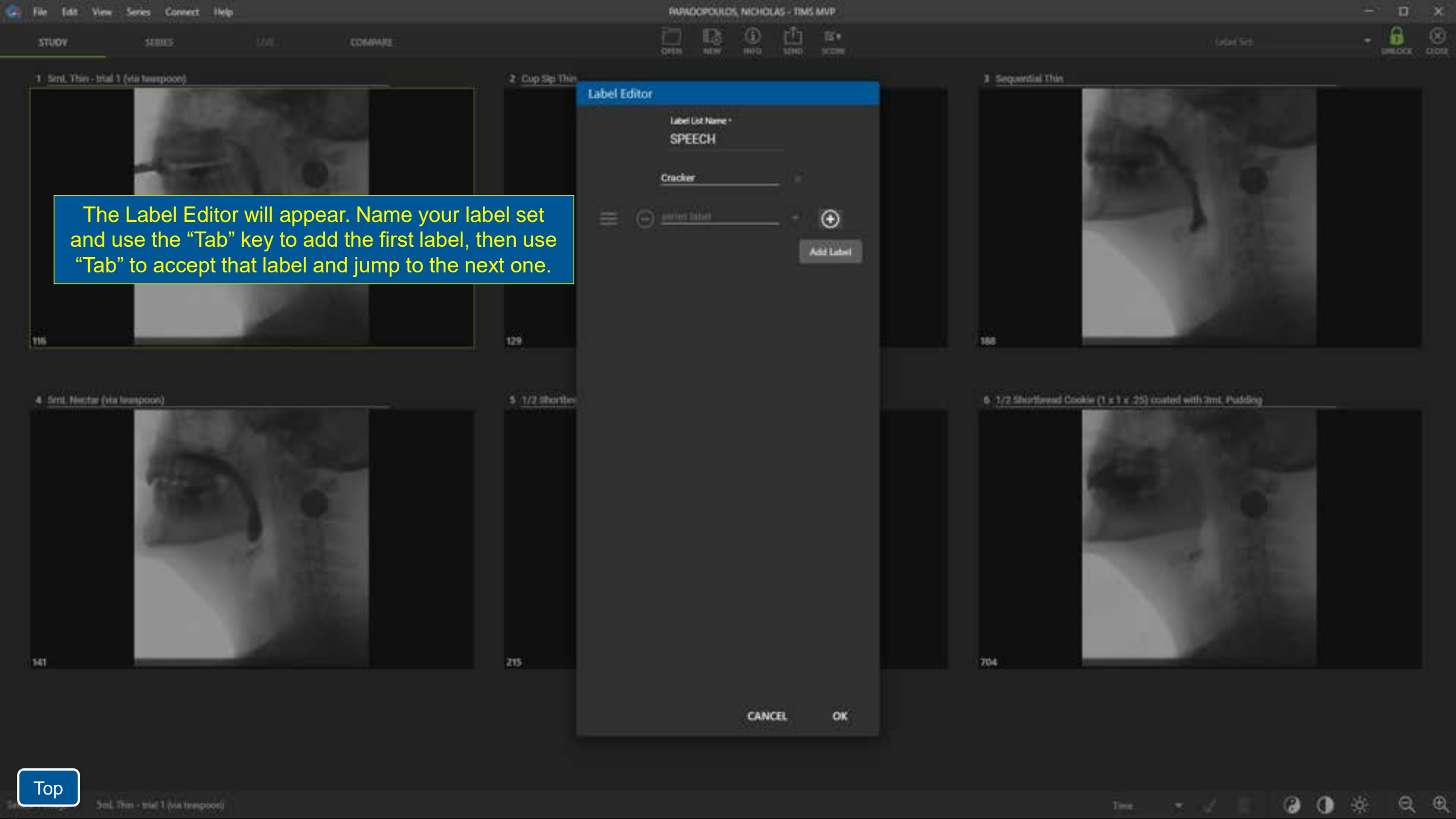
Top

Duplicate

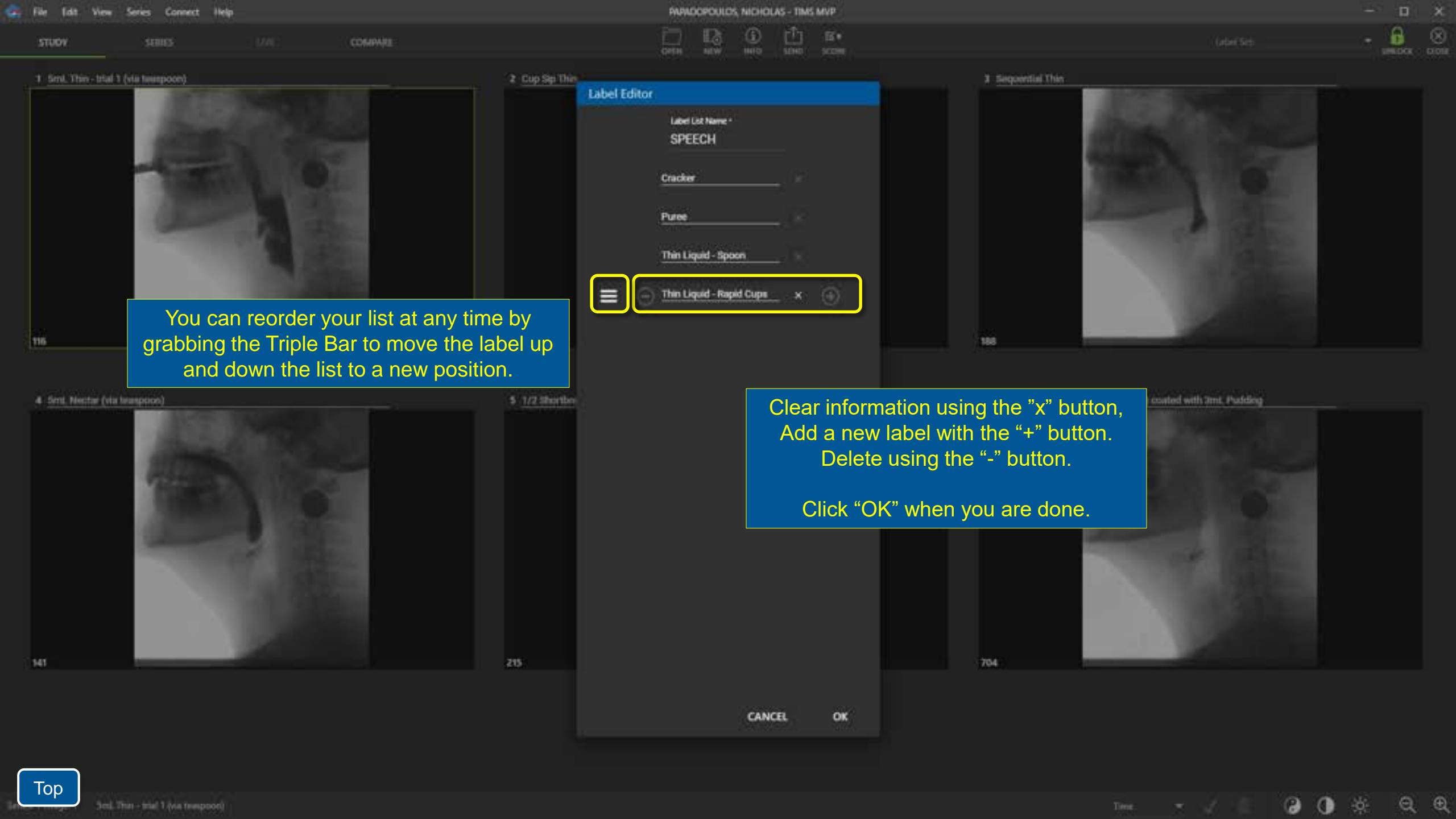
Time



To create your own Label Set start by choosing "New..." from the Label Set menu. You can access this menu while you have a study open, or just click "Cancel" from the "Study Dashboard" to access the menu from the TIMS MVP main screen.



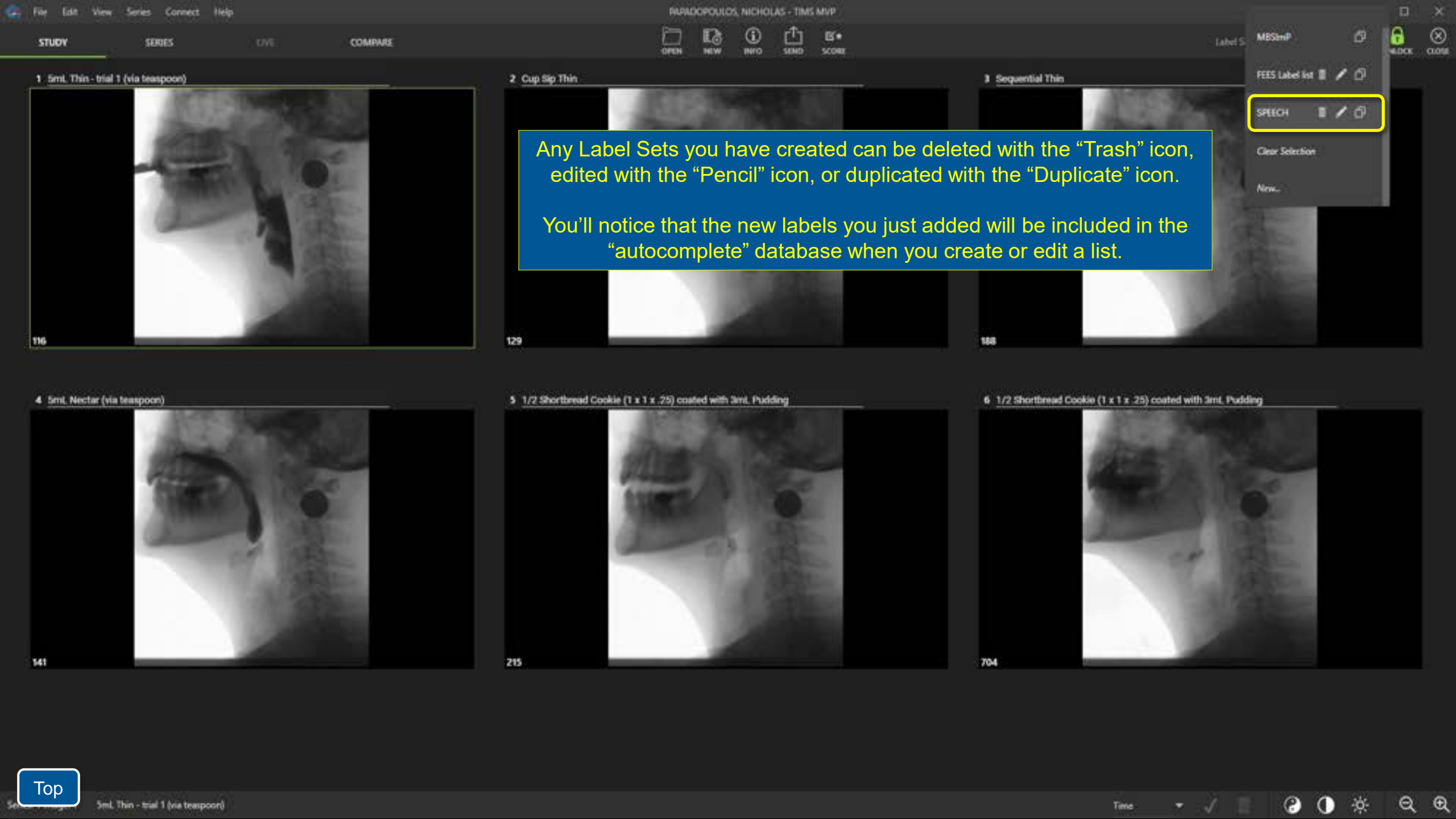
The Label Editor will appear. Name your label set and use the "Tab" key to add the first label, then use "Tab" to accept that label and jump to the next one.



You can reorder your list at any time by grabbing the Triple Bar to move the label up and down the list to a new position.

Clear information using the "x" button,
Add a new label with the "+" button.
Delete using the "-" button.

Click "OK" when you are done.



Label S...

MBSimP

FEEES Label list

SPEECH

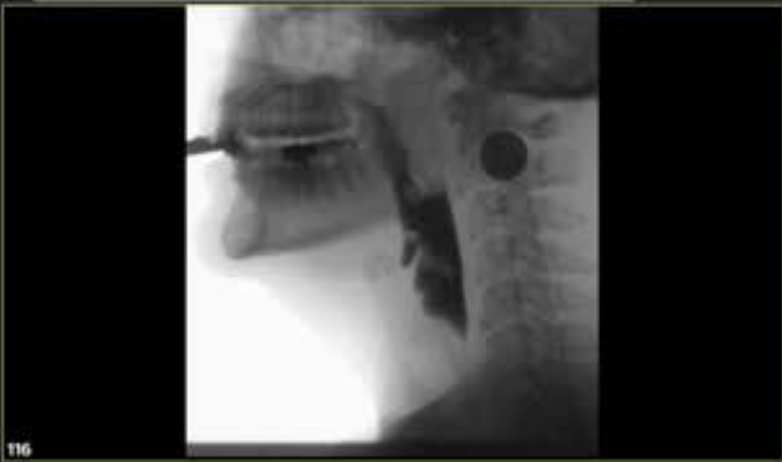
Clear Selection

New...

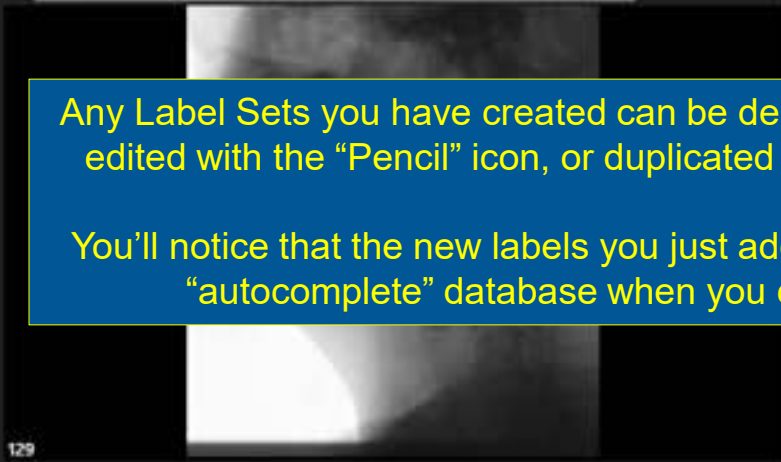
Any Label Sets you have created can be deleted with the "Trash" icon, edited with the "Pencil" icon, or duplicated with the "Duplicate" icon.

You'll notice that the new labels you just added will be included in the "autocomplete" database when you create or edit a list.

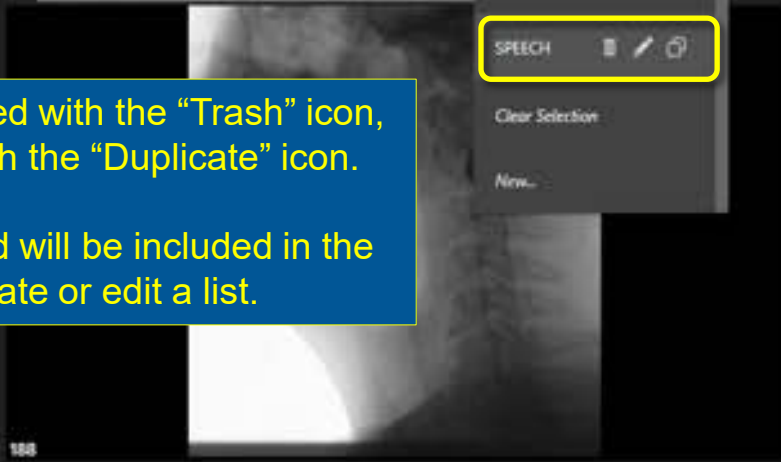
1 5ml, Thin - trial 1 (via teaspoon)



2 Cup Sip Thin



3 Sequential Thin



4 5ml, Nectar (via teaspoon)



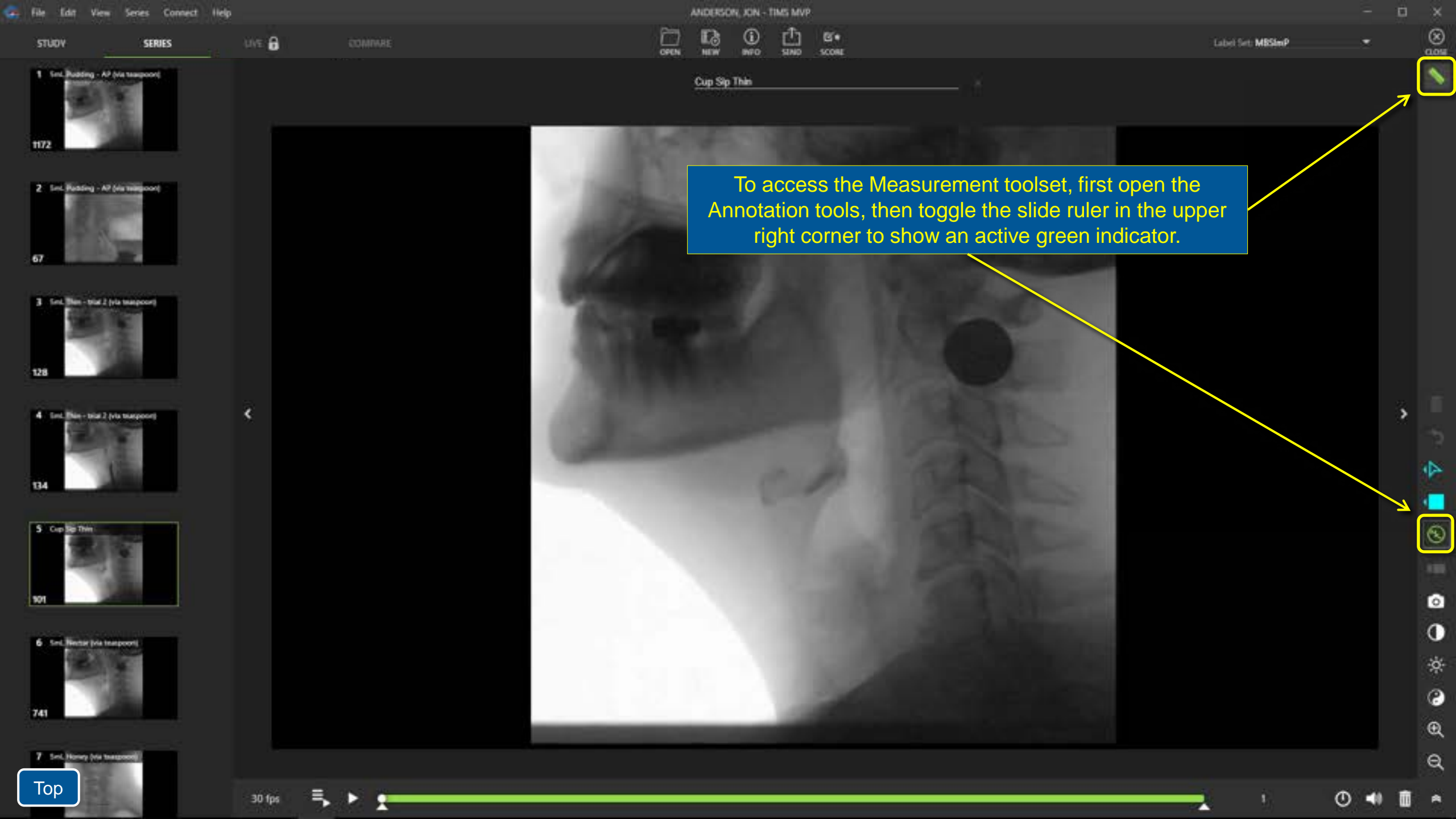
5 1/2 Shortbread Cookie (1 x 1 x .25) coated with 3ml, Pudding



6 1/2 Shortbread Cookie (1 x 1 x .25) coated with 3ml, Pudding



Measurement



To access the Measurement toolset, first open the Annotation tools, then toggle the slide ruler in the upper right corner to show an active green indicator.

Top

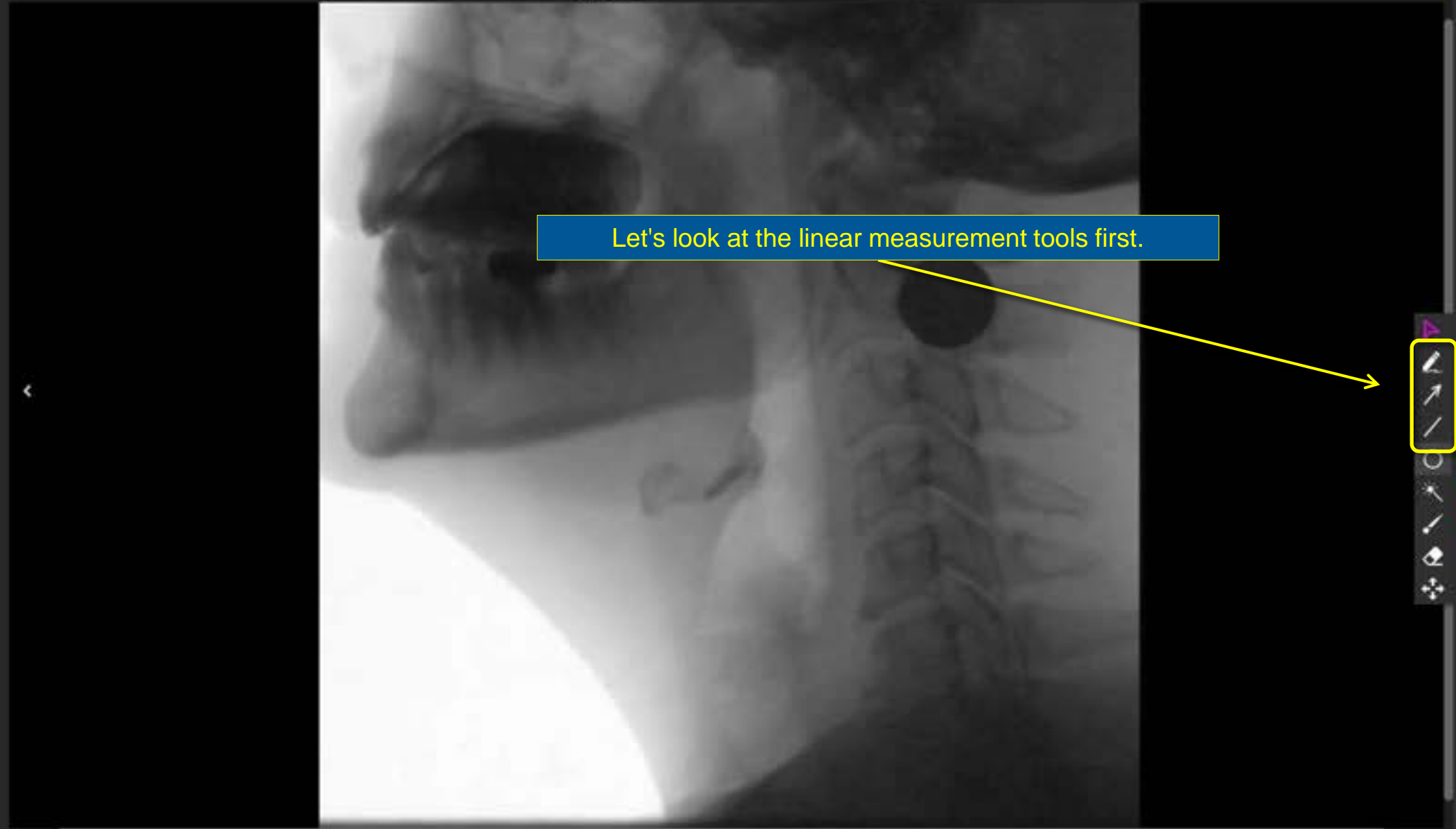
- 1 Sm. Ridding - AP (via teaspoon) 1172
- 2 Sm. Ridding - AP (via teaspoon) 67
- 3 Sm. Thin - trial 2 (via teaspoon) 128
- 4 Sm. Thin - trial 2 (via teaspoon) 134
- 5 Cup Sip Thin 501
- 6 Sm. Rector (via teaspoon) 741
- 7 Sm. Honey (via teaspoon)



Here you can change the color and line thickness for annotations or measurements.

Top

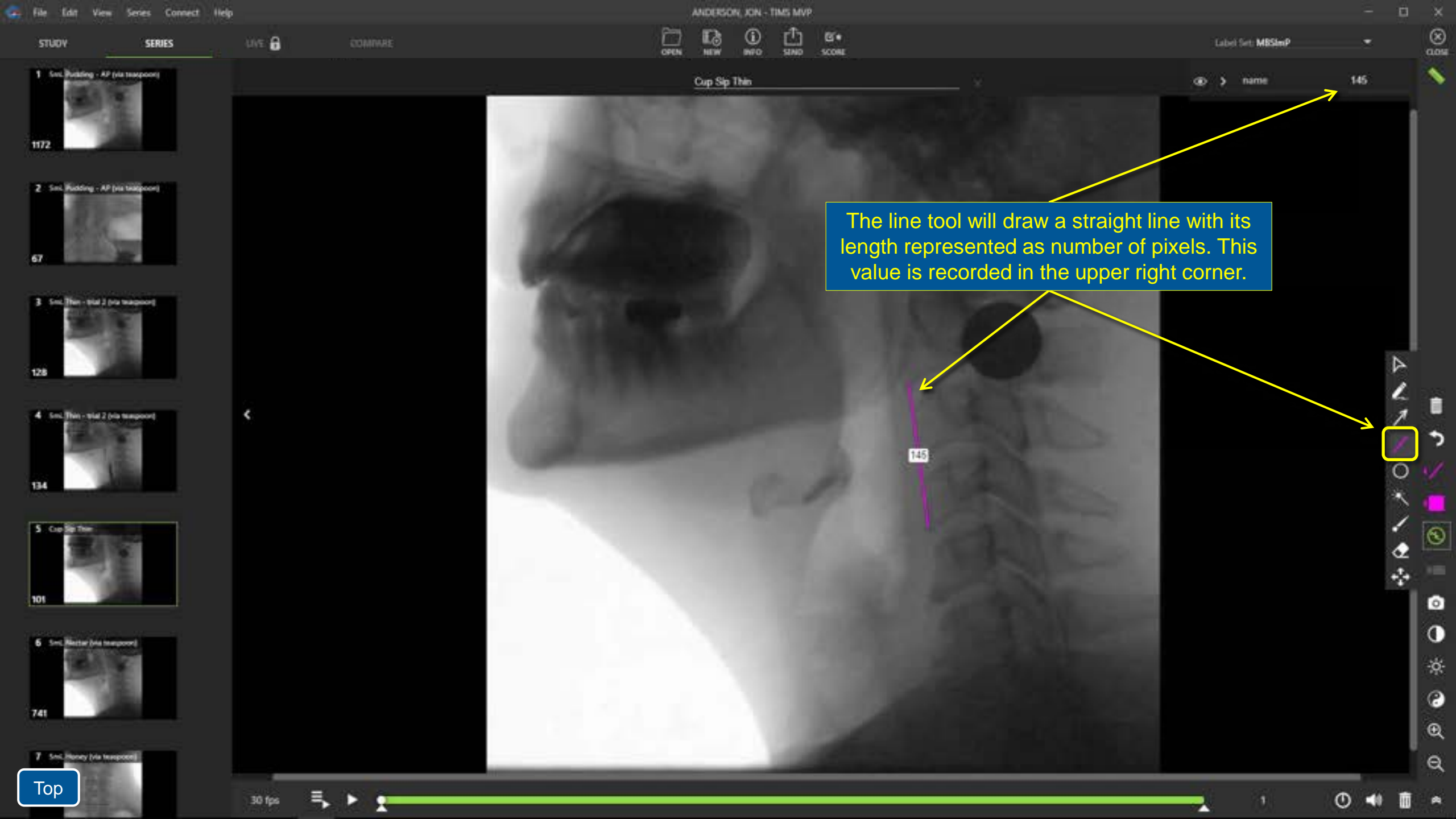
- 1 Smc_Pudding - AP (via teaspoon) 1172
- 2 Smc_Pudding - AP (via teaspoon) 67
- 3 Smc_Thin - stat 2 (via teaspoon) 128
- 4 Smc_Thin - stat 2 (via teaspoon) 134
- 5 Cup_Sip_Thin 101
- 6 Smc_Rectar (via teaspoon) 741
- 7 Smc_Honey (via teaspoon)



Let's look at the linear measurement tools first.



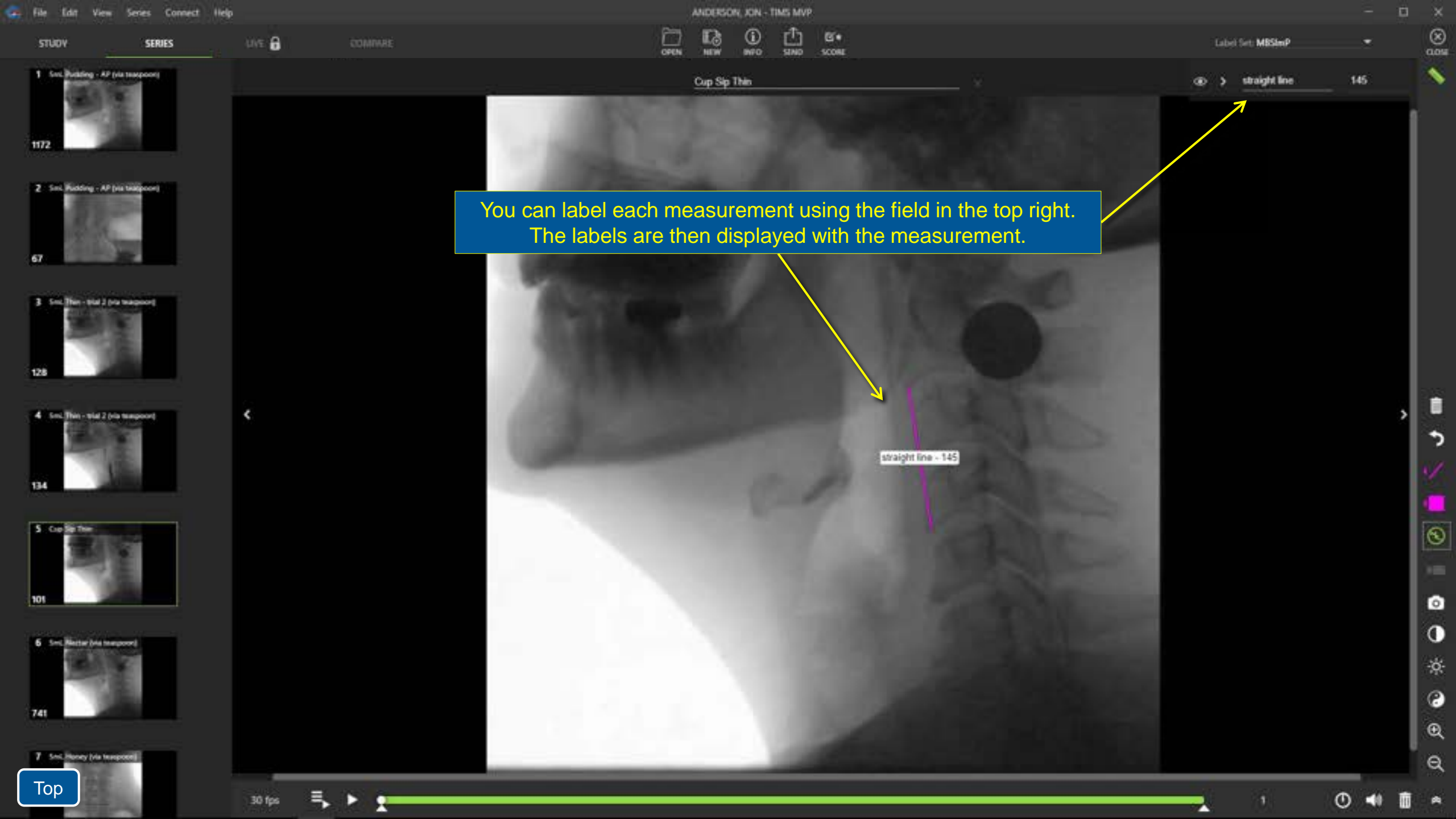
Top



The line tool will draw a straight line with its length represented as number of pixels. This value is recorded in the upper right corner.



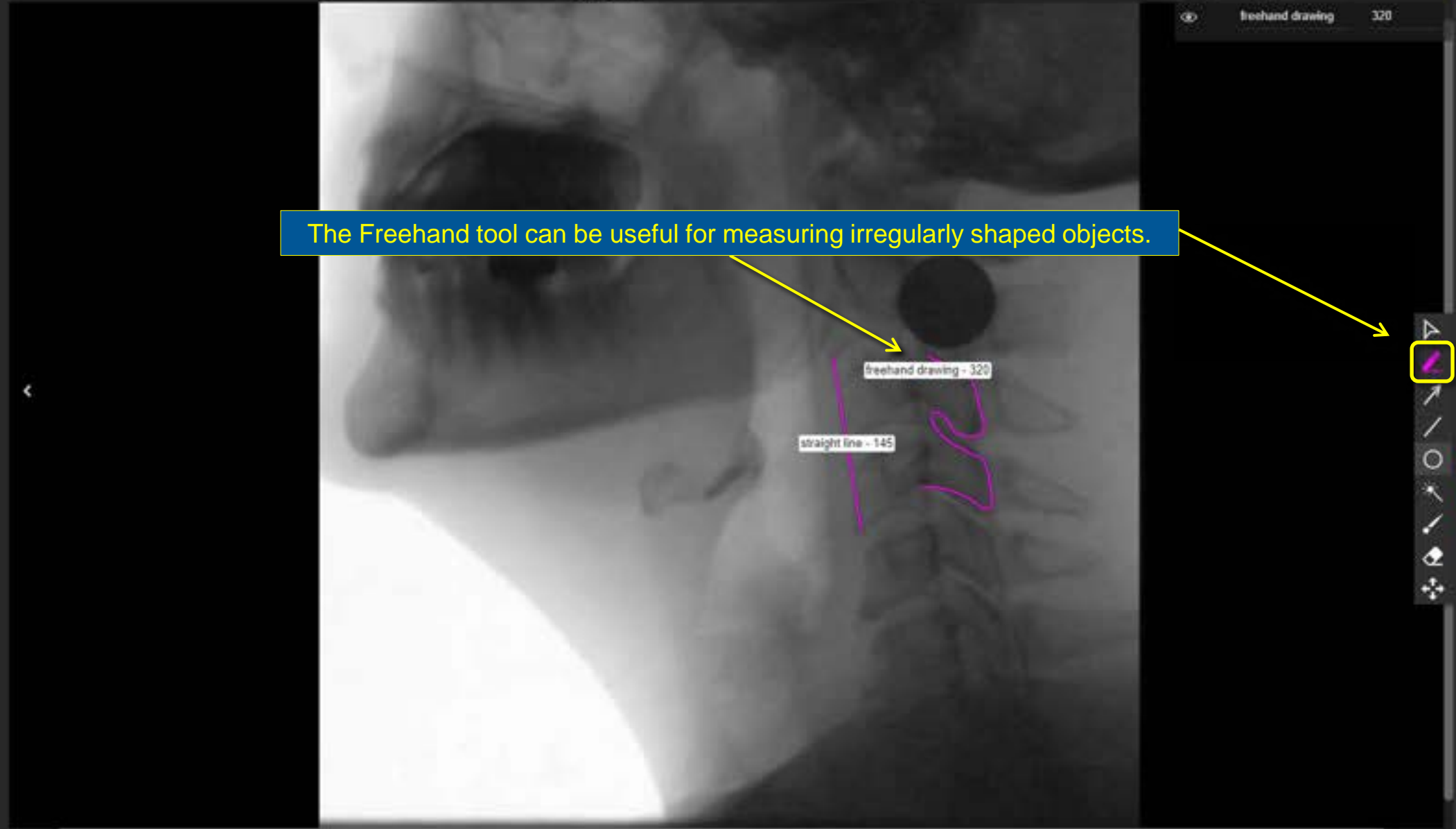
Top



You can label each measurement using the field in the top right. The labels are then displayed with the measurement.

Top

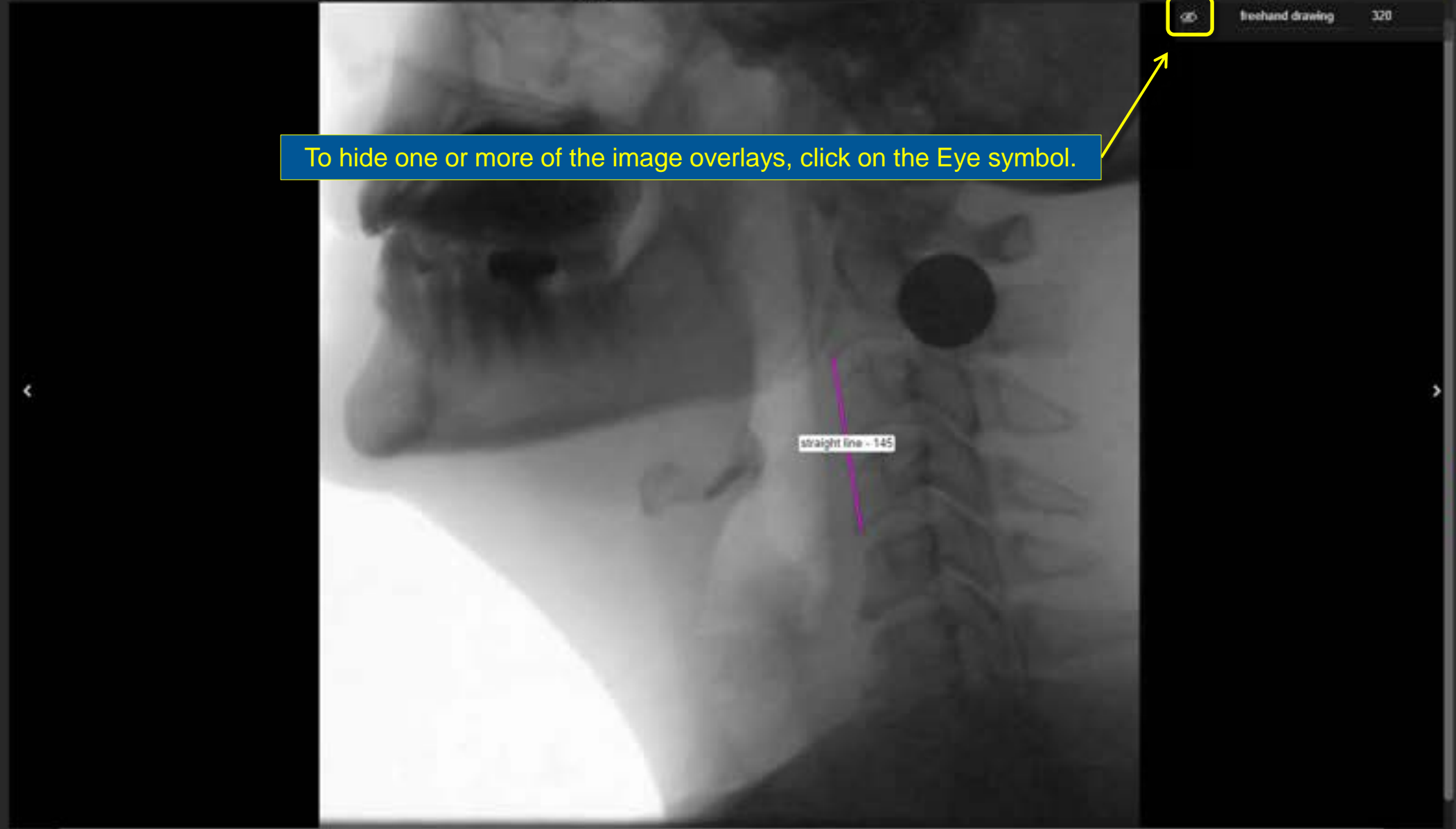
- 1 Smc_Pudding - AP (via teaspoon) 1172
- 2 Smc_Pudding - AP (via teaspoon) 67
- 3 Smc_Thin - stat 2 (via teaspoon) 128
- 4 Smc_Thin - stat 2 (via teaspoon) 134
- 5 Cup Slip Thin 101
- 6 Smc_Rectar (via teaspoon) 741
- 7 Smc_Honey (via teaspoon)



straight line	145
freehand drawing	320



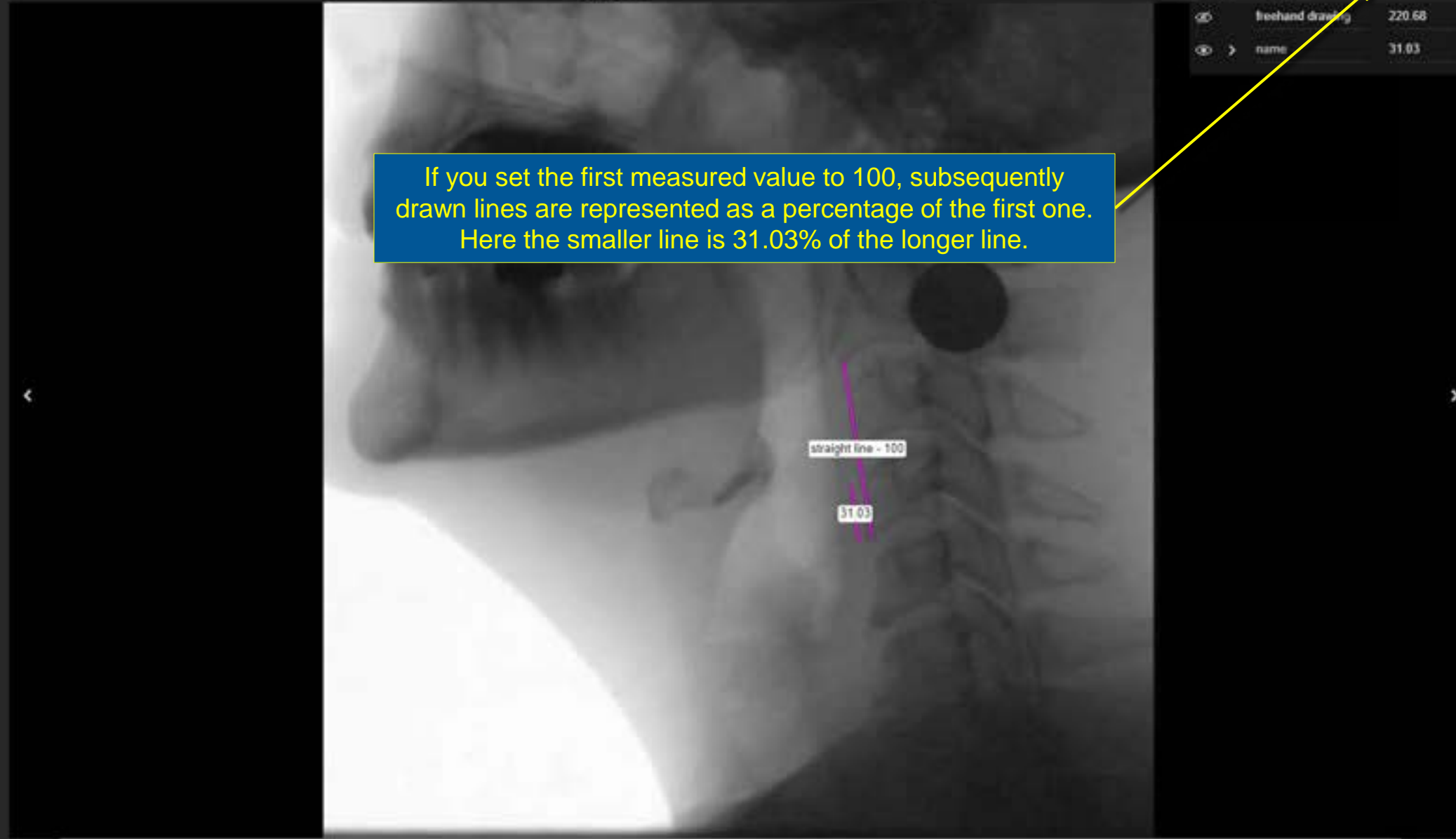
- 1 Smc_Rudding - AP (via teaspoon) 1172
- 2 Smc_Rudding - AP (via teaspoon) 67
- 3 Smc_Thin - stat 2 (via teaspoon) 128
- 4 Smc_Thin - stat 2 (via teaspoon) 134
- 5 Cup Sip Thin 101
- 6 Smc_Rectar (via teaspoon) 741
- 7 Smc_Honey (via teaspoon)



To hide one or more of the image overlays, click on the Eye symbol.

Symbol	Label	Count
	straight line	145
	freehand drawing	320

- 1 Sim_Pudding - AP (via teaspoon) 1172
- 2 Sim_Pudding - AP (via teaspoon) 67
- 3 Sim_Thin - stat 2 (via teaspoon) 128
- 4 Sim_Thin - stat 2 (via teaspoon) 134
- 5 Cup Sip Thin 101
- 6 Sim_Rectar (via teaspoon) 741
- 7 Sim_Honey (via teaspoon)

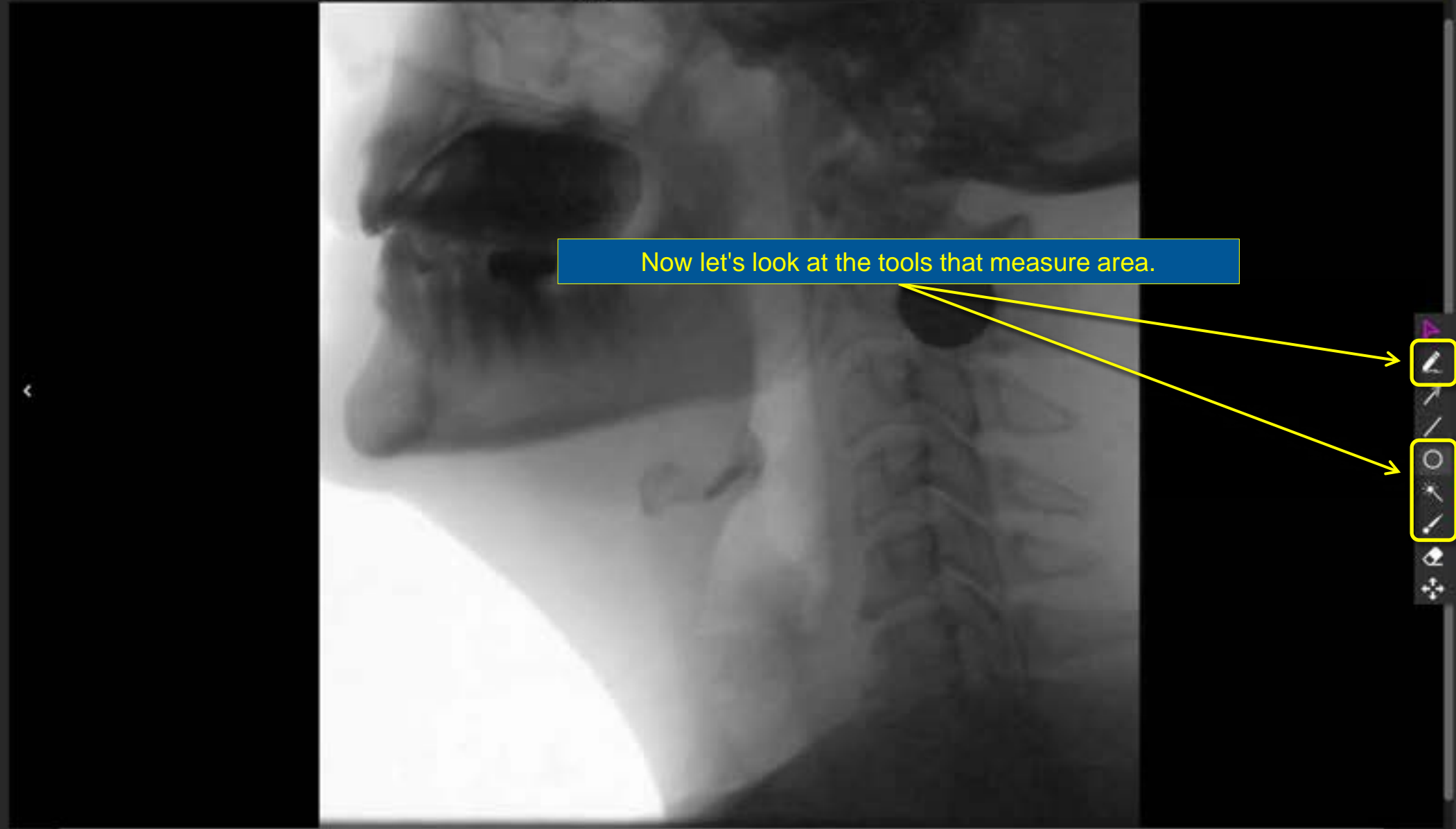


If you set the first measured value to 100, subsequently drawn lines are represented as a percentage of the first one. Here the smaller line is 31.03% of the longer line.

straight line	100
freehand drawing	220.68
name	31.03

Top

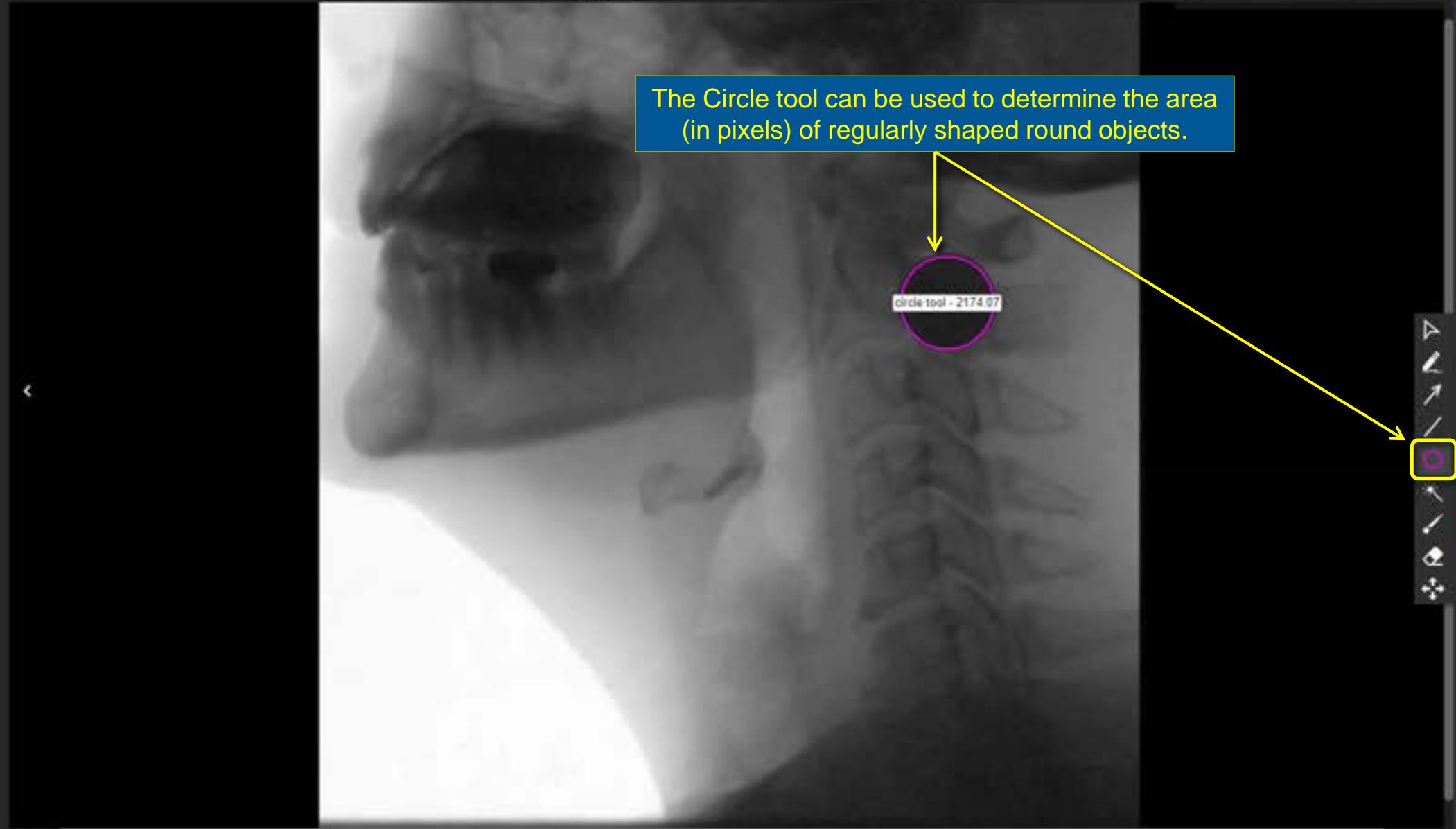
- 1 Sim_Pudding - AP (via teaspoon) 1172
- 2 Sim_Pudding - AP (via teaspoon) 67
- 3 Sim_Thin - stat 2 (via teaspoon) 128
- 4 Sim_Thin - stat 2 (via teaspoon) 134
- 5 Cup Slip Thin 101
- 6 Sim_Rectar (via teaspoon) 741
- 7 Sim_Honey (via teaspoon)



Now let's look at the tools that measure area.

Top

- 1 Smc_Pudding - AP (via teaspoon) 1172
- 2 Smc_Pudding - AP (via teaspoon) 67
- 3 Smc_Thin - stat 2 (via teaspoon) 128
- 4 Smc_Thin - stat 2 (via teaspoon) 134
- 5 Cup Slip Thin 101
- 6 Smc_Rectar (via teaspoon) 741
- 7 Smc_Honey (via teaspoon)



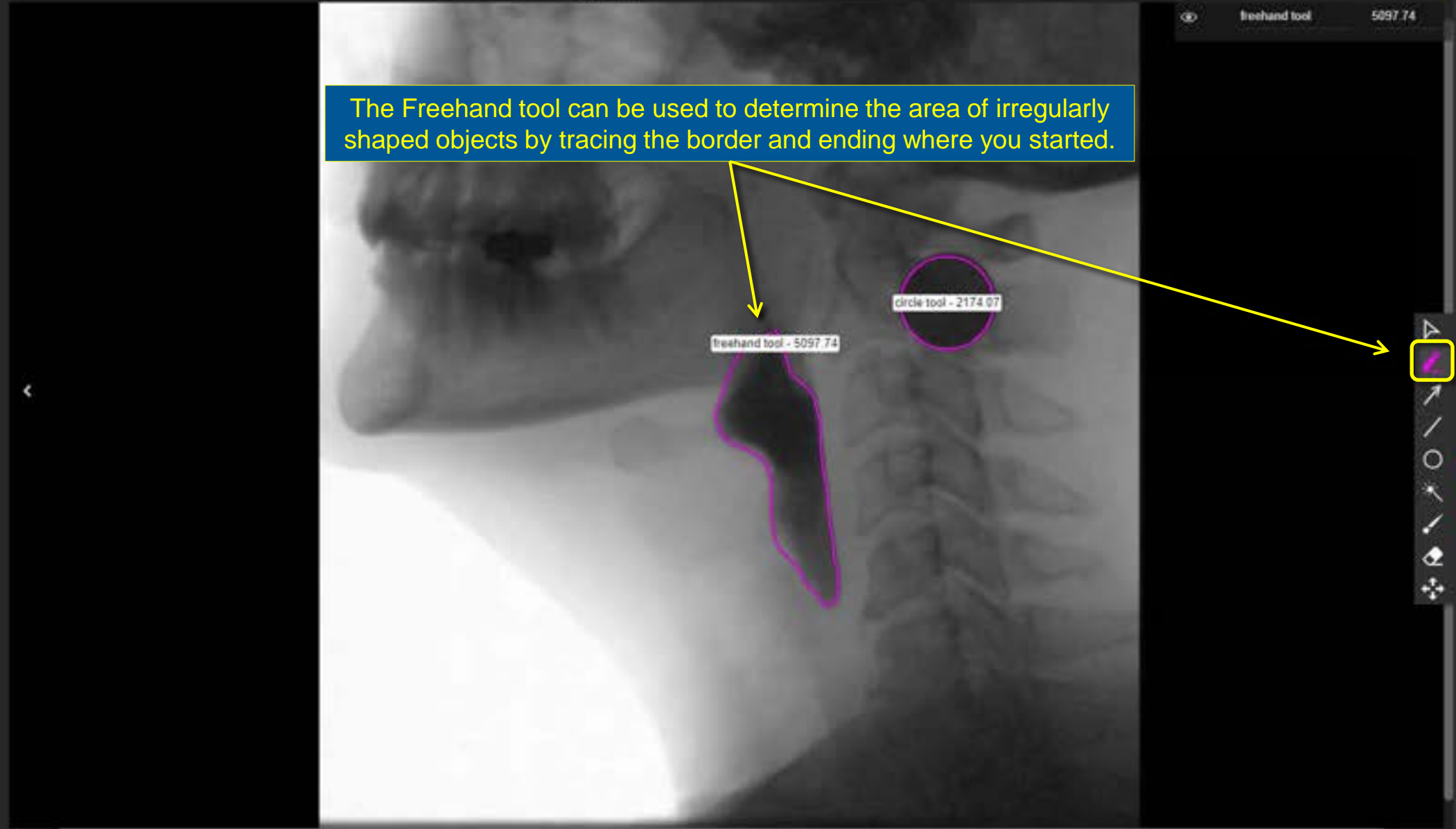
The Circle tool can be used to determine the area (in pixels) of regularly shaped round objects.

circle tool - 2174.07



Top

- 1 Smc_Rudding - AP (via teaspoon) 1172
- 2 Smc_Rudding - AP (via teaspoon) 67
- 3 Smc_Thin - stat 2 (via teaspoon) 128
- 4 Smc_Thin - stat 2 (via teaspoon) 134
- 5 Cup_Sip_Thin 101
- 6 Smc_Rectar (via teaspoon) 741
- 7 Smc_Honey (via teaspoon)

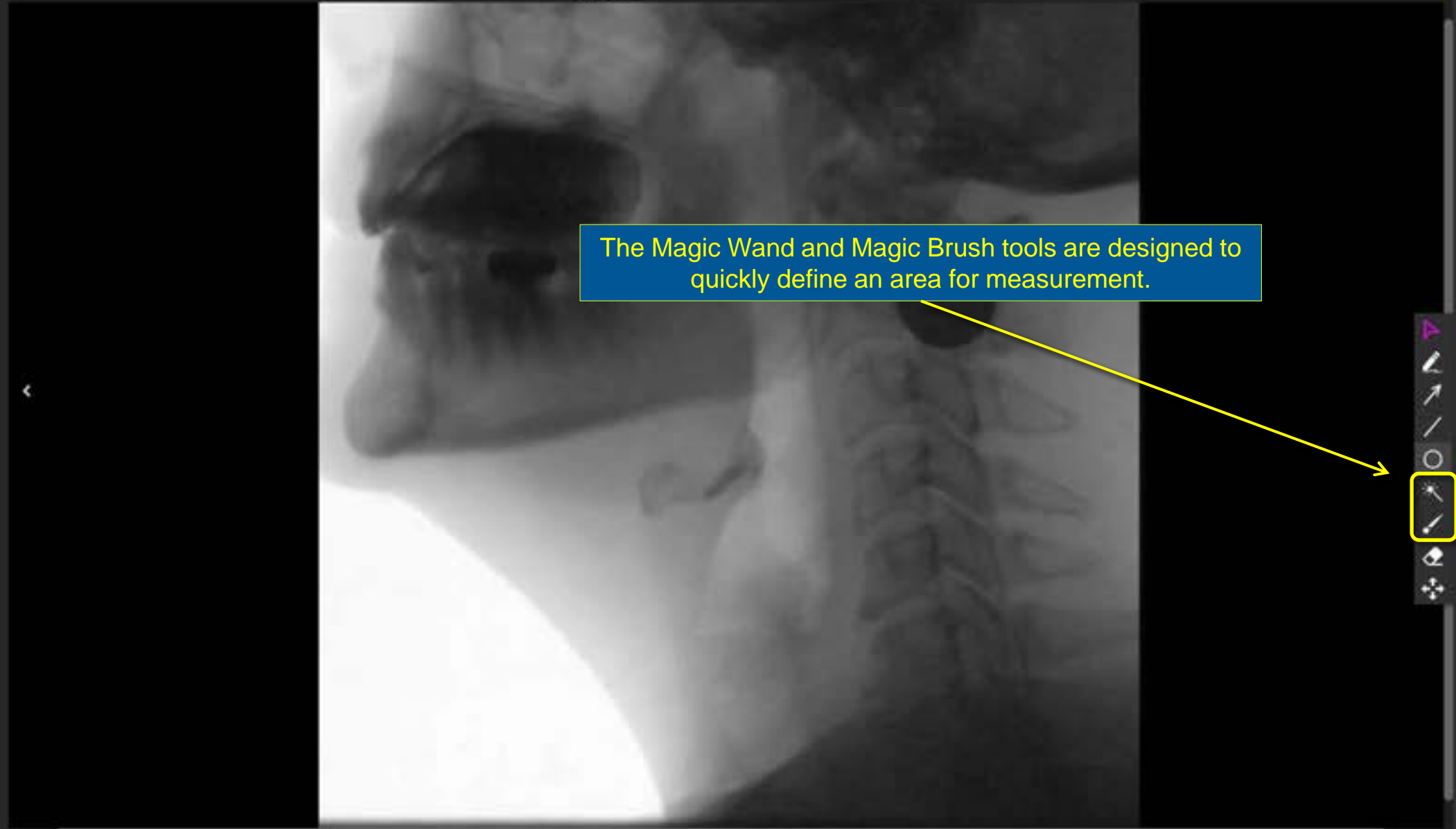


The Freehand tool can be used to determine the area of irregularly shaped objects by tracing the border and ending where you started.

circle tool	2174.07
freehand tool	5097.74



- 1 Sim, Pudding - AP (via teaspoon) 1172
- 2 Sim, Pudding - AP (via teaspoon) 67
- 3 Sim, Thin - stat 2 (via teaspoon) 128
- 4 Sim, Thin - stat 2 (via teaspoon) 134
- 5 Cup Slip Thin 101
- 6 Sim, Rector (via teaspoon) 741
- 7 Sim, Honey (via teaspoon)

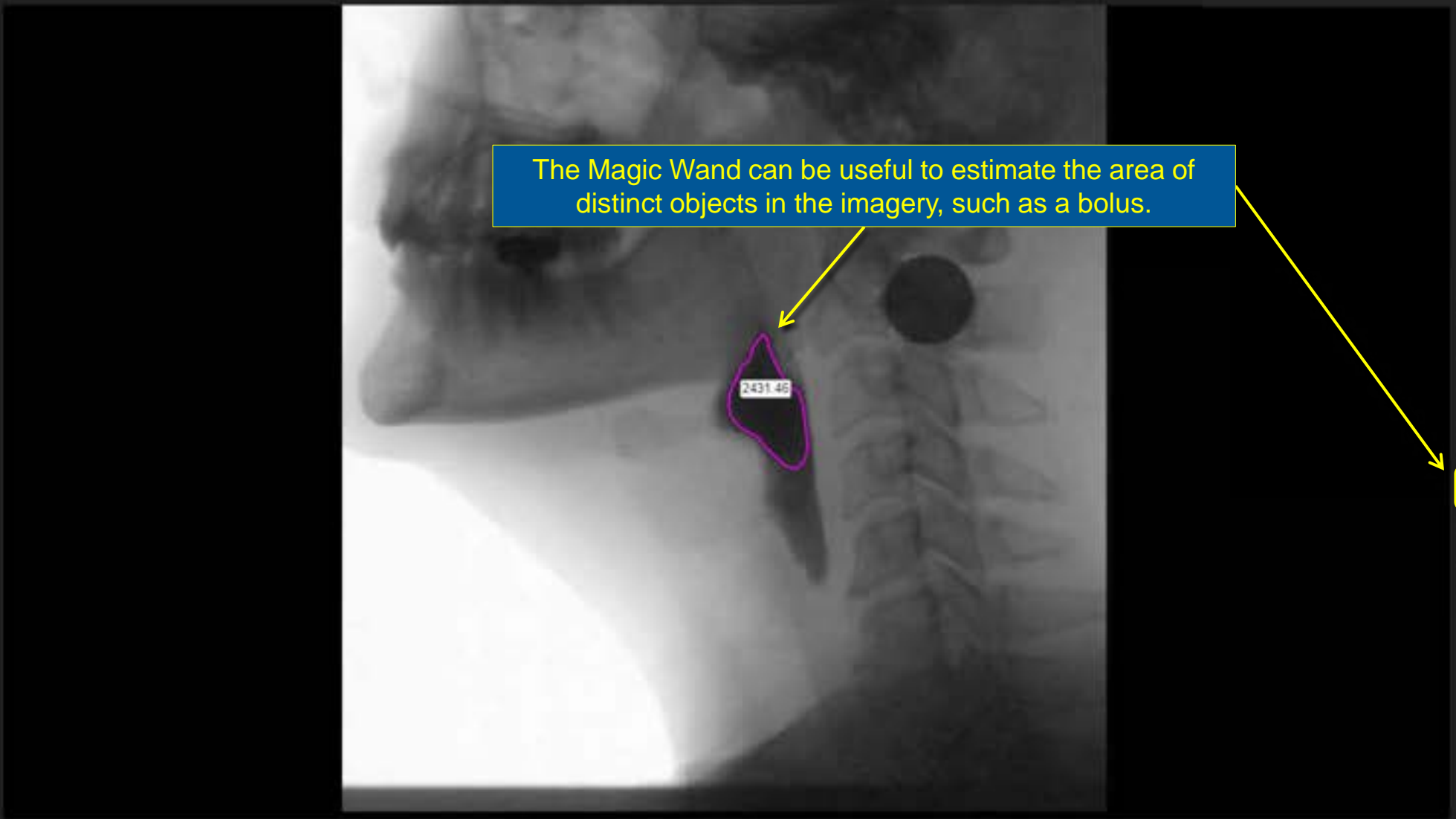


The Magic Wand and Magic Brush tools are designed to quickly define an area for measurement.

- 1 Sm. Budding - AP (via teaspoon) 1172
- 2 Sm. Budding - AP (via teaspoon) 67
- 3 Sm. Thin - trial 2 (via teaspoon) 128
- 4 Sm. Thin - trial 2 (via teaspoon) 134
- 5 Cup Sip Thin 501
- 6 Sm. Nectar (via teaspoon) 741
- 7 Sm. Honey (via teaspoon)

Cup Sip Thin

C2-C4	100
name	33.33



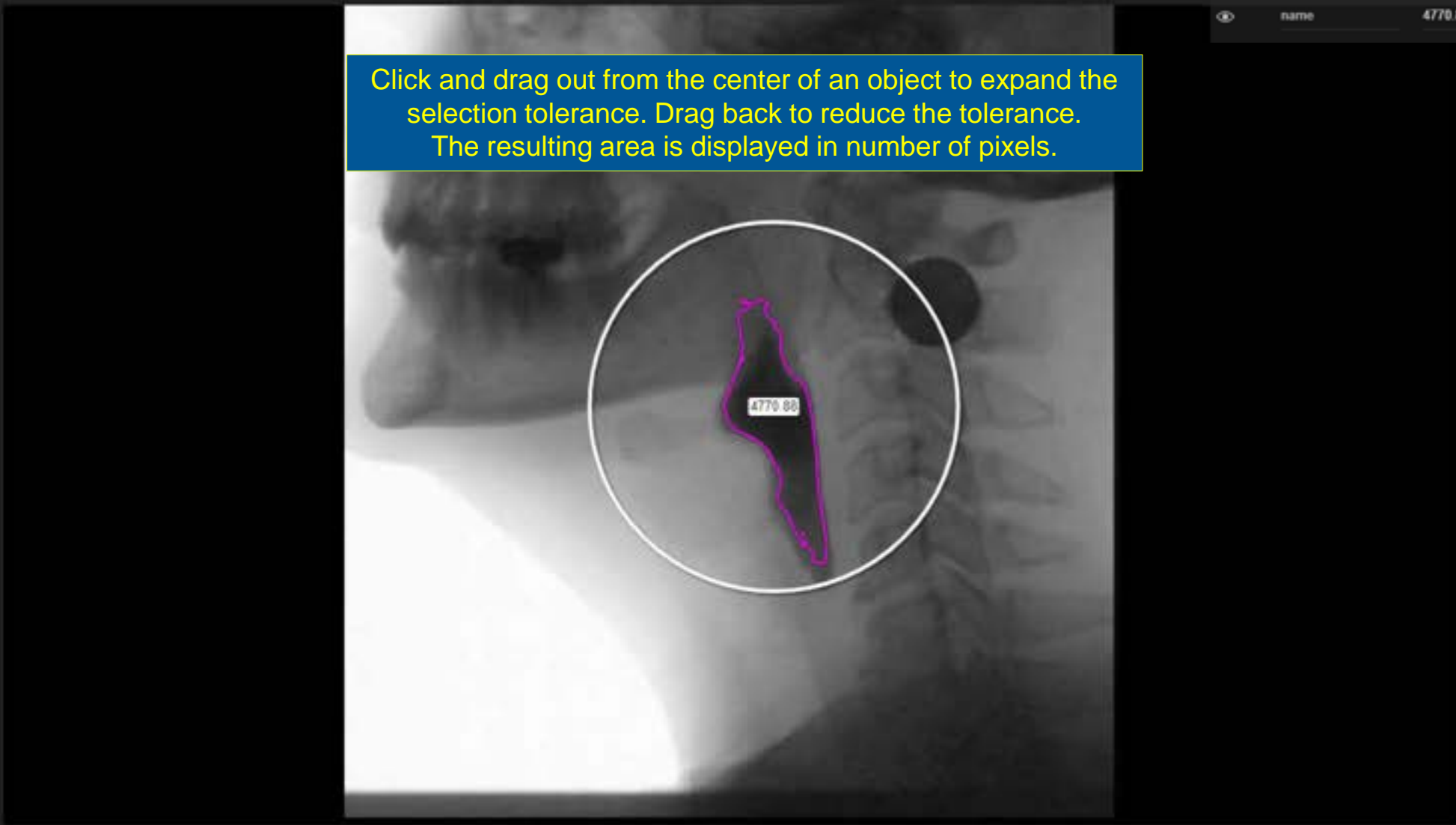
The Magic Wand can be useful to estimate the area of distinct objects in the imagery, such as a bolus.

Top



Cup Sip Thin

Click and drag out from the center of an object to expand the selection tolerance. Drag back to reduce the tolerance. The resulting area is displayed in number of pixels.



C2-C4	100
name	33.33
name	4770.88

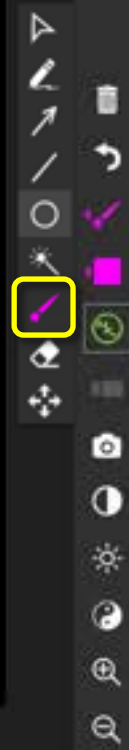
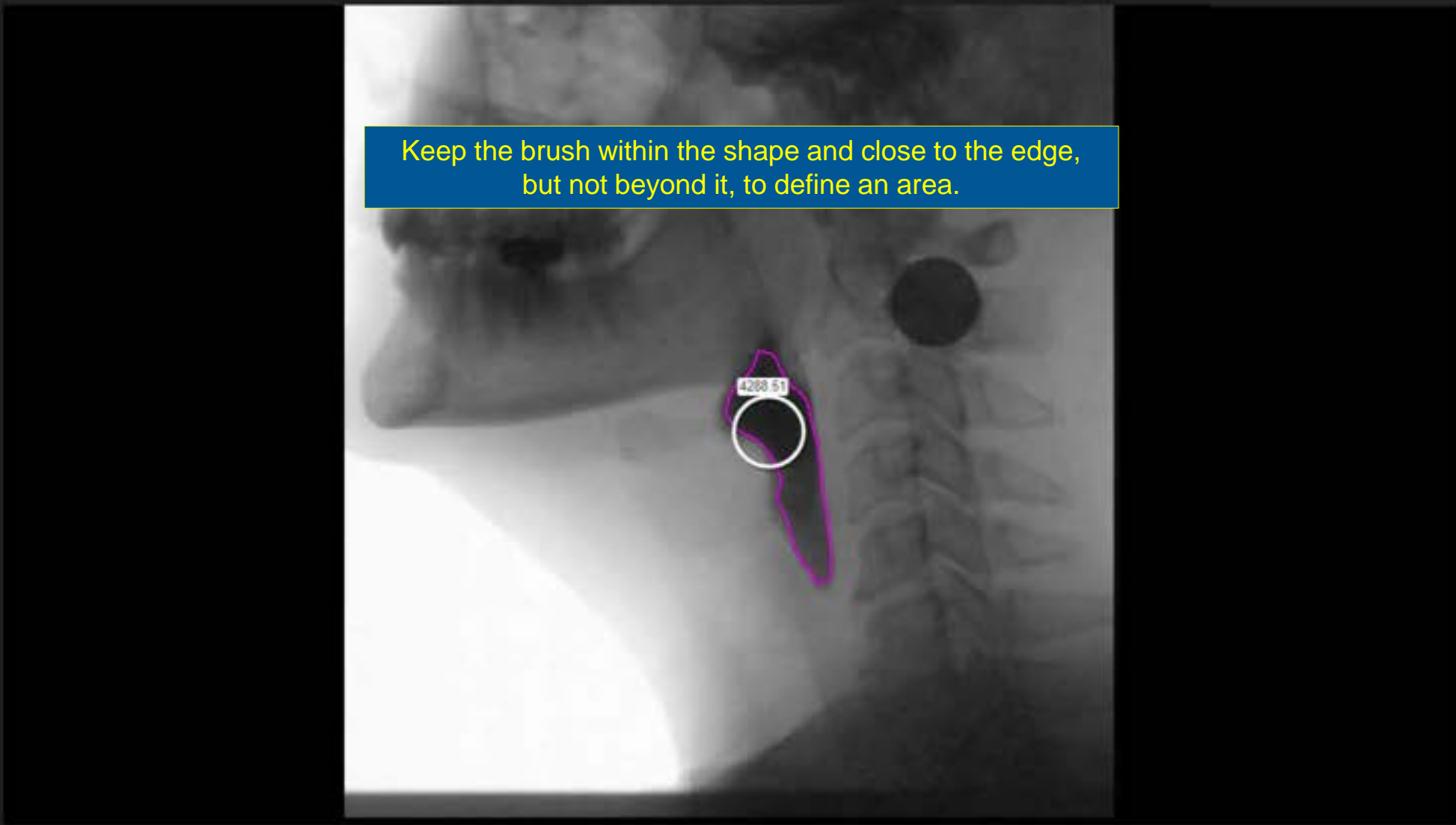
Top



Cup Slip Thin

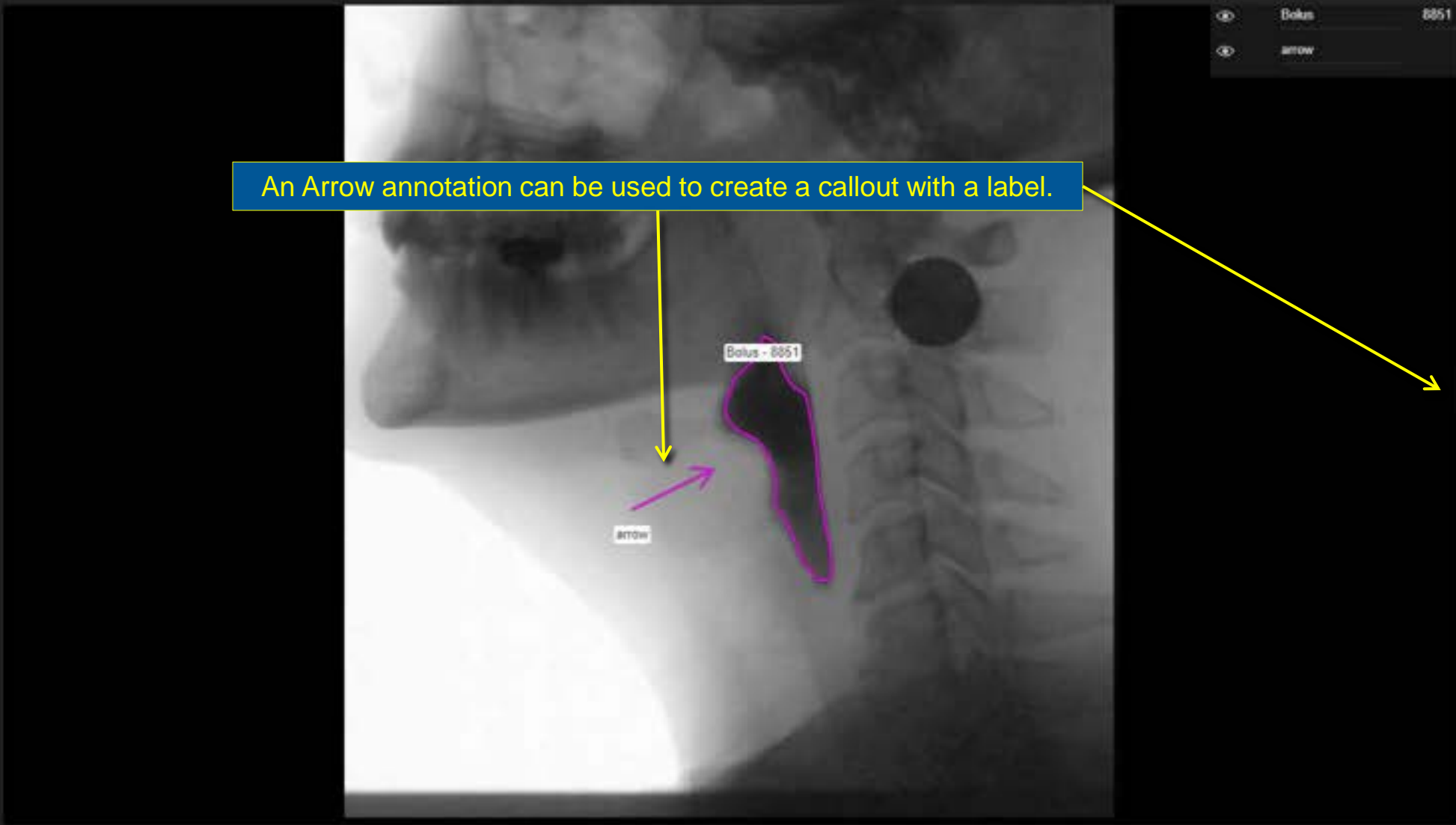
C2-C4	100
name	33.33

Keep the brush within the shape and close to the edge, but not beyond it, to define an area.



Top

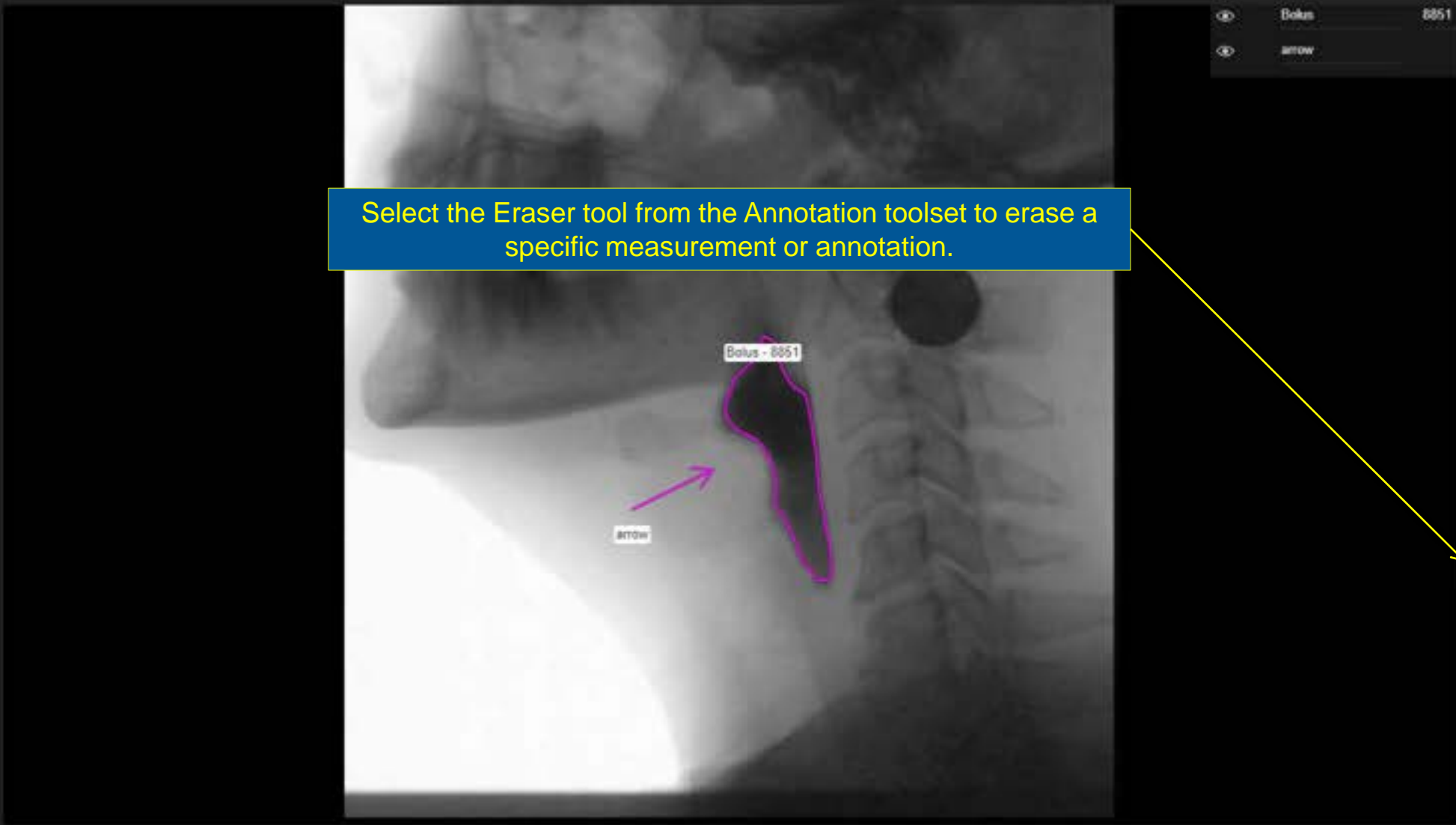
- 1 Sm. Budding - AP (via teaspoon) 1172
- 2 Sm. Budding - AP (via teaspoon) 67
- 3 Sm. Thin - trial 2 (via teaspoon) 128
- 4 Sm. Thin - trial 2 (via teaspoon) 134
- 5 Cup Sip Thin 501
- 6 Sm. Nectar (via teaspoon) 741
- 7 Sm. Honey (via teaspoon)



An Arrow annotation can be used to create a callout with a label.

>	C2-C4	141
>	name	55
>	Bolus	8851
>	arrow	

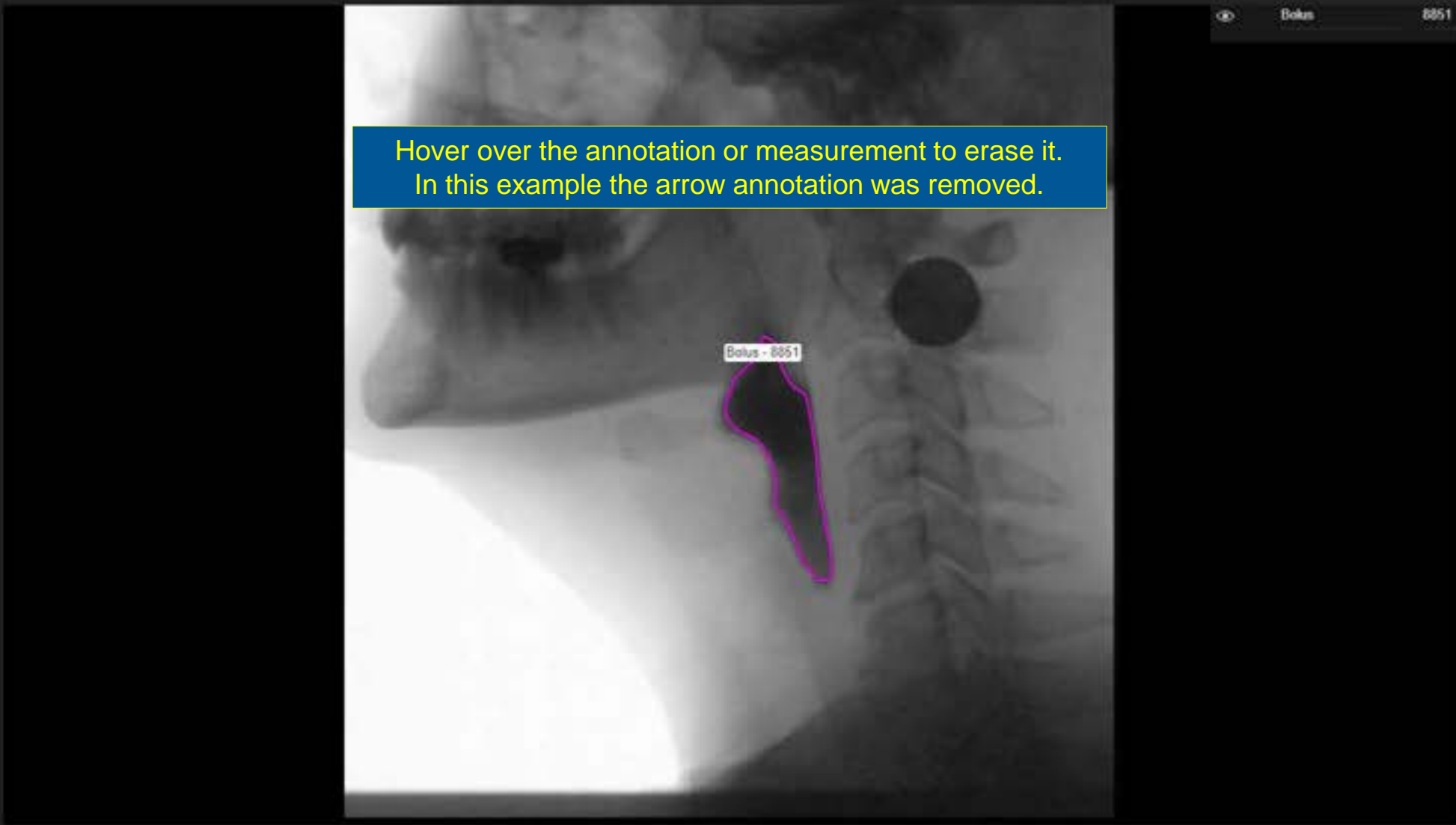




Select the Eraser tool from the Annotation toolset to erase a specific measurement or annotation.

Label	Count
C2-C4	141
name	55
Bolus	8851
arrow	





C2-C4	141
name	55
Bolus	8851

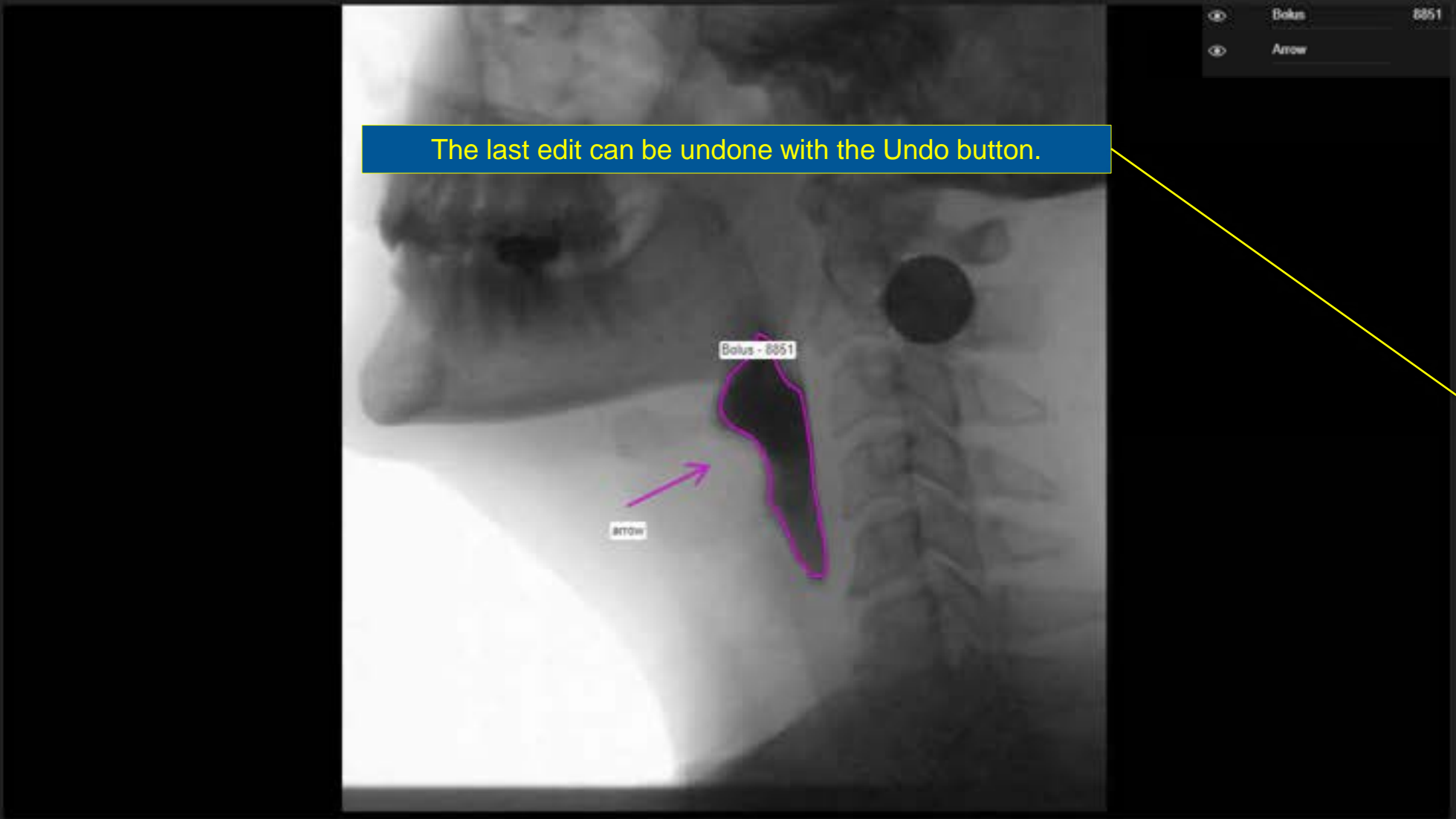




Cup Sip Thin

>	C2-C4	141
>	name	55
>	Bolus	8851
>	Arrow	

The last edit can be undone with the Undo button.



Top

Cup Sip Thin

- 67
- 3 Sim. Thin - trial 2 (via teaspoon)
- 128
- 4 Sim. Thin - trial 2 (via teaspoon)
- 134
- 5 Cup Sip Thin
- 901
- 6 Sim. Honey (via teaspoon)
- 741
- 7 Sim. Honey (via teaspoon)
- 23
- 8 Cup Sip Thin @52



Clicking the Trashcan will clear away **ALL** values.



Top

Measurement Example

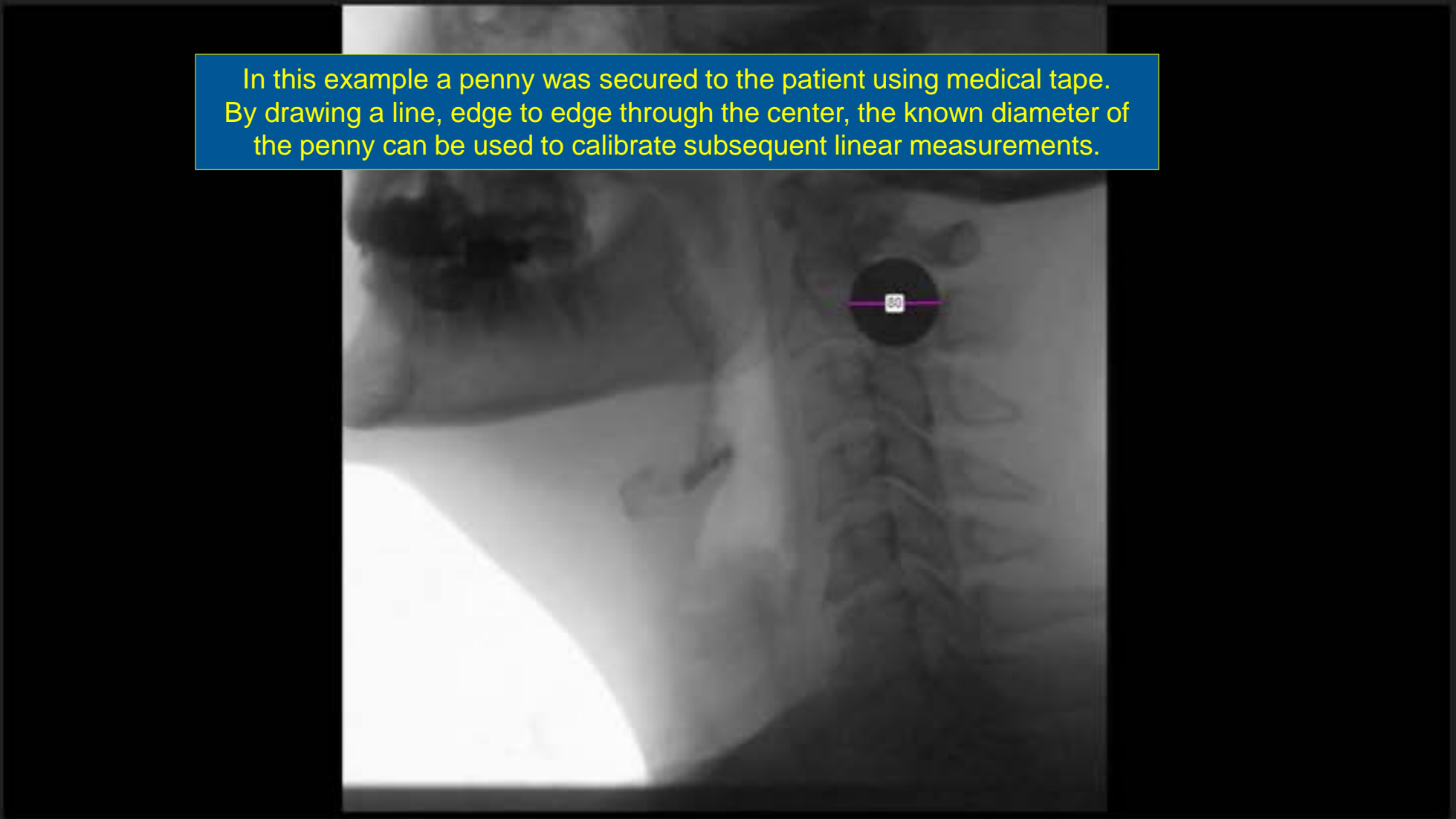
Hyoid Excursion

- 7 Sequential Nectar 46
- 8 Sim. Honey (via teaspoon) 52
- 9 Sim. Pudding (via teaspoon) 23
- 10 cookie 24
- 11 Sim. Pudding (via teaspoon) 68
- 12 Honey Thick - Spoon 333
- 13

Honey Thick - Spoon

name 80

In this example a penny was secured to the patient using medical tape. By drawing a line, edge to edge through the center, the known diameter of the penny can be used to calibrate subsequent linear measurements.



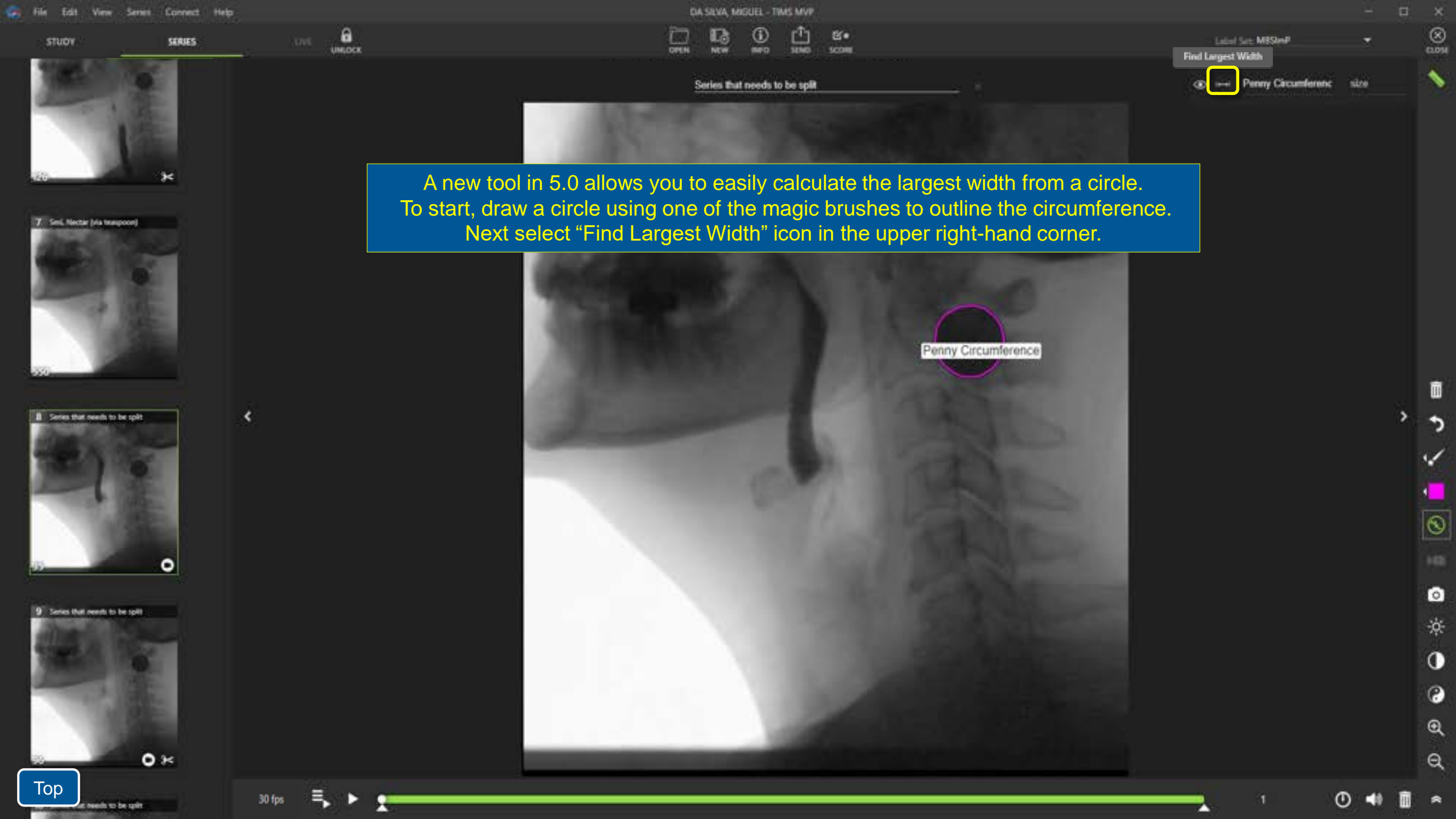
Top

30 fps



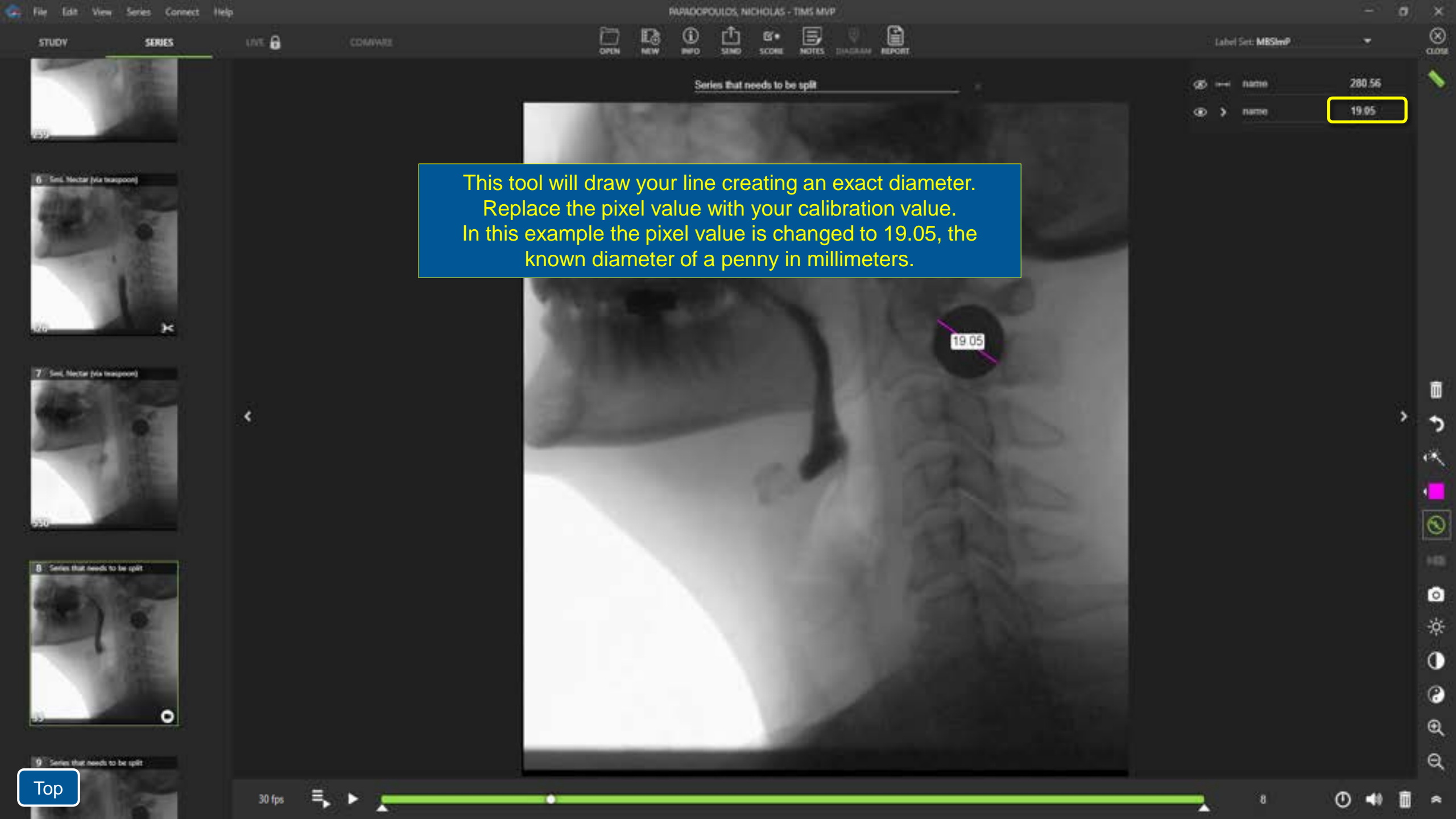
1





A new tool in 5.0 allows you to easily calculate the largest width from a circle. To start, draw a circle using one of the magic brushes to outline the circumference. Next select "Find Largest Width" icon in the upper right-hand corner.

Top

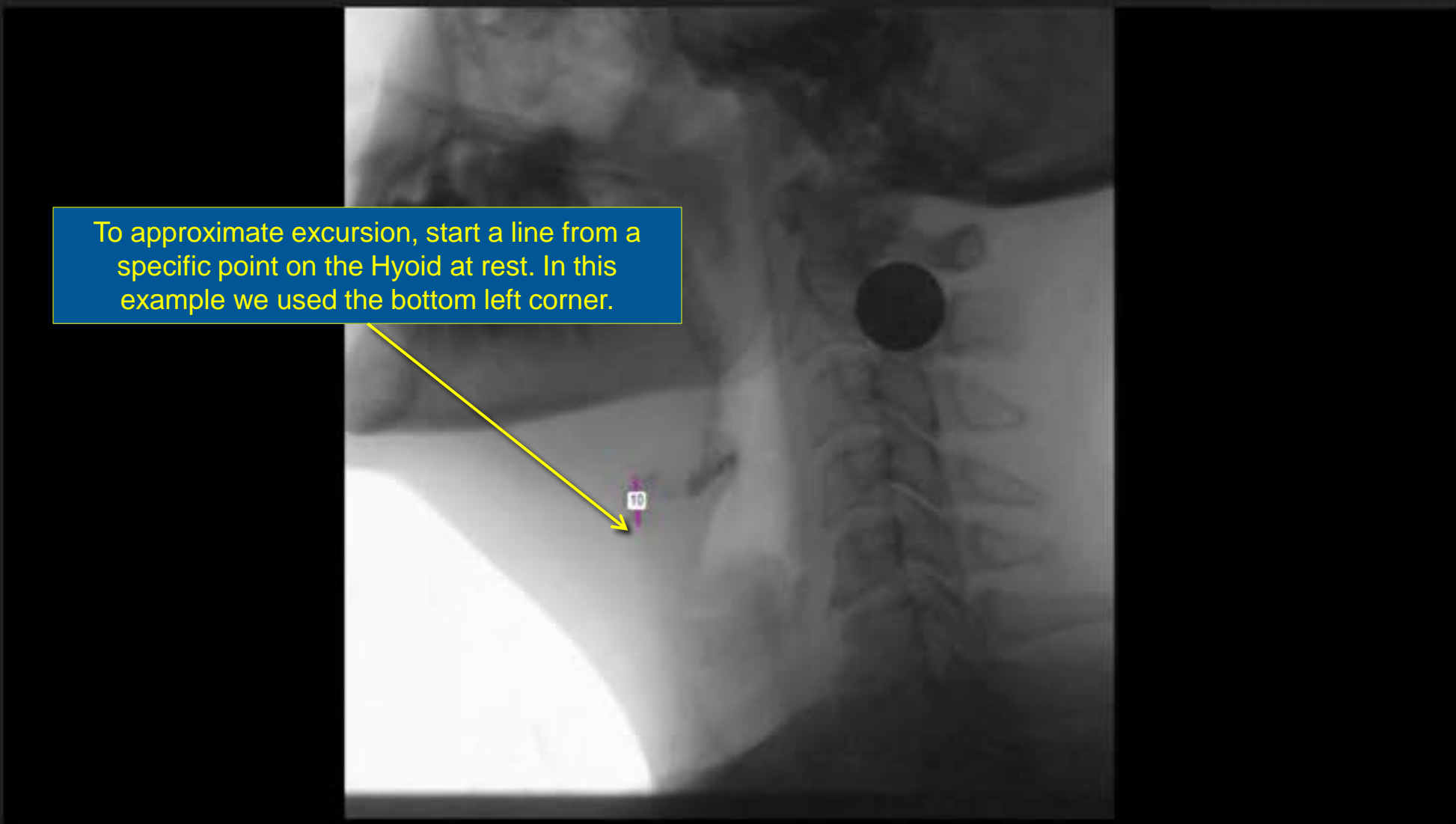


This tool will draw your line creating an exact diameter. Replace the pixel value with your calibration value. In this example the pixel value is changed to 19.05, the known diameter of a penny in millimeters.

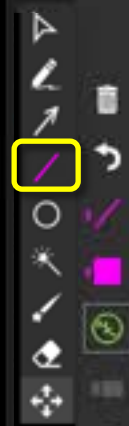
name	280.56
name	19.05

Honey Thick - Spoon

>	Penny Diameter	19.05
>	name	10



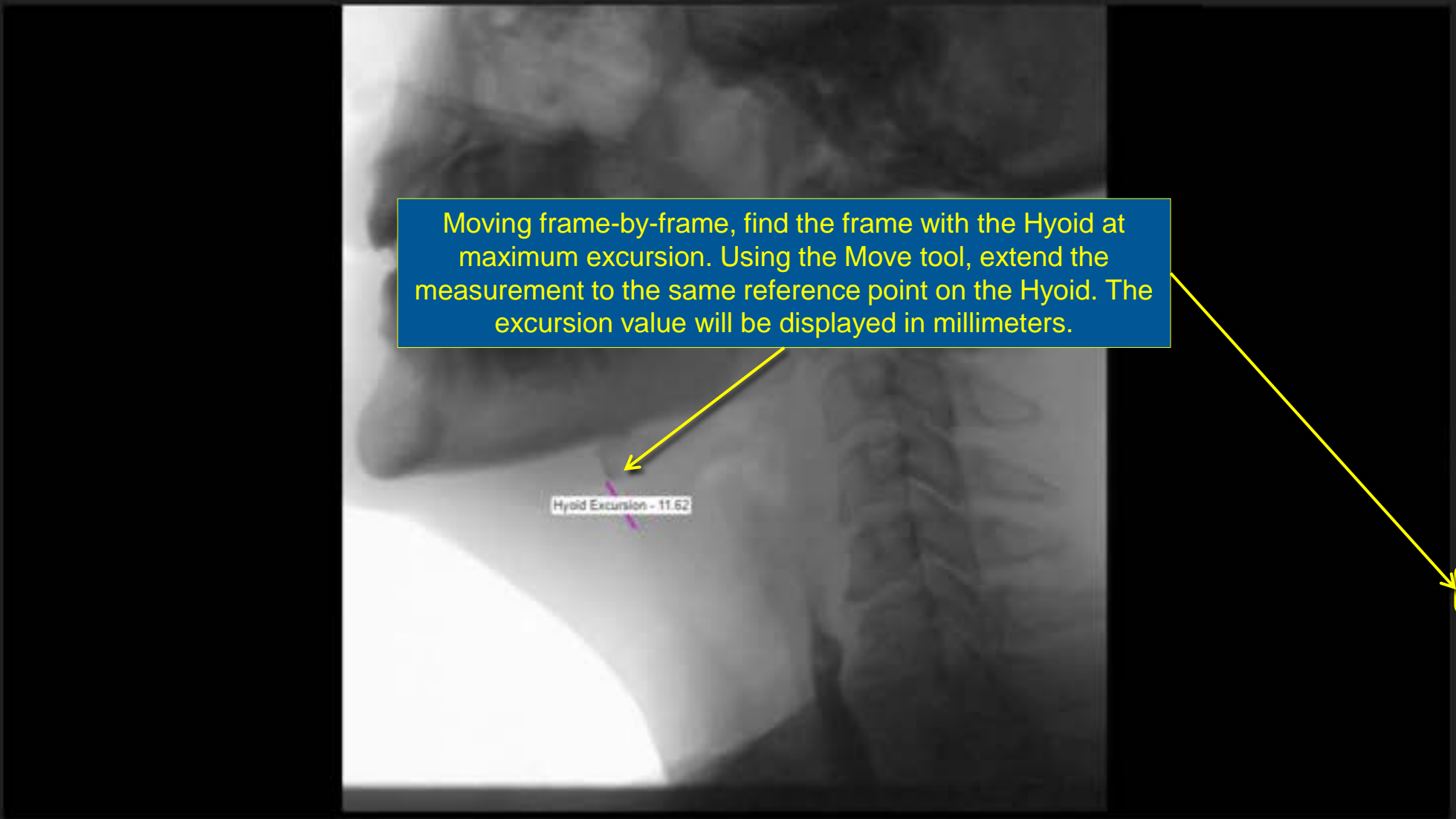
To approximate excursion, start a line from a specific point on the Hyoid at rest. In this example we used the bottom left corner.



Top

Honey Thick - Spoon

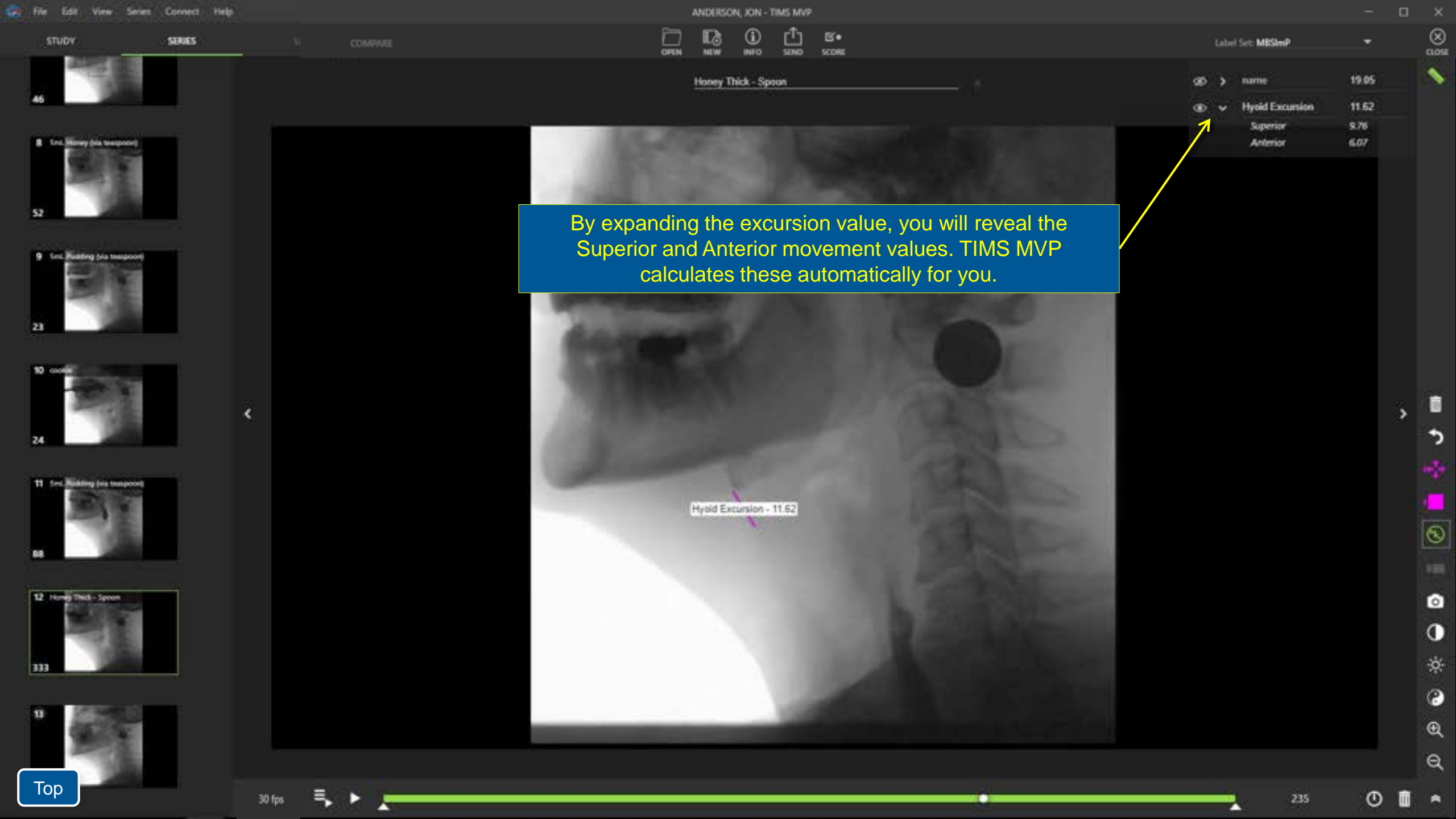
name	19.05
Hyoid Excursion	11.62

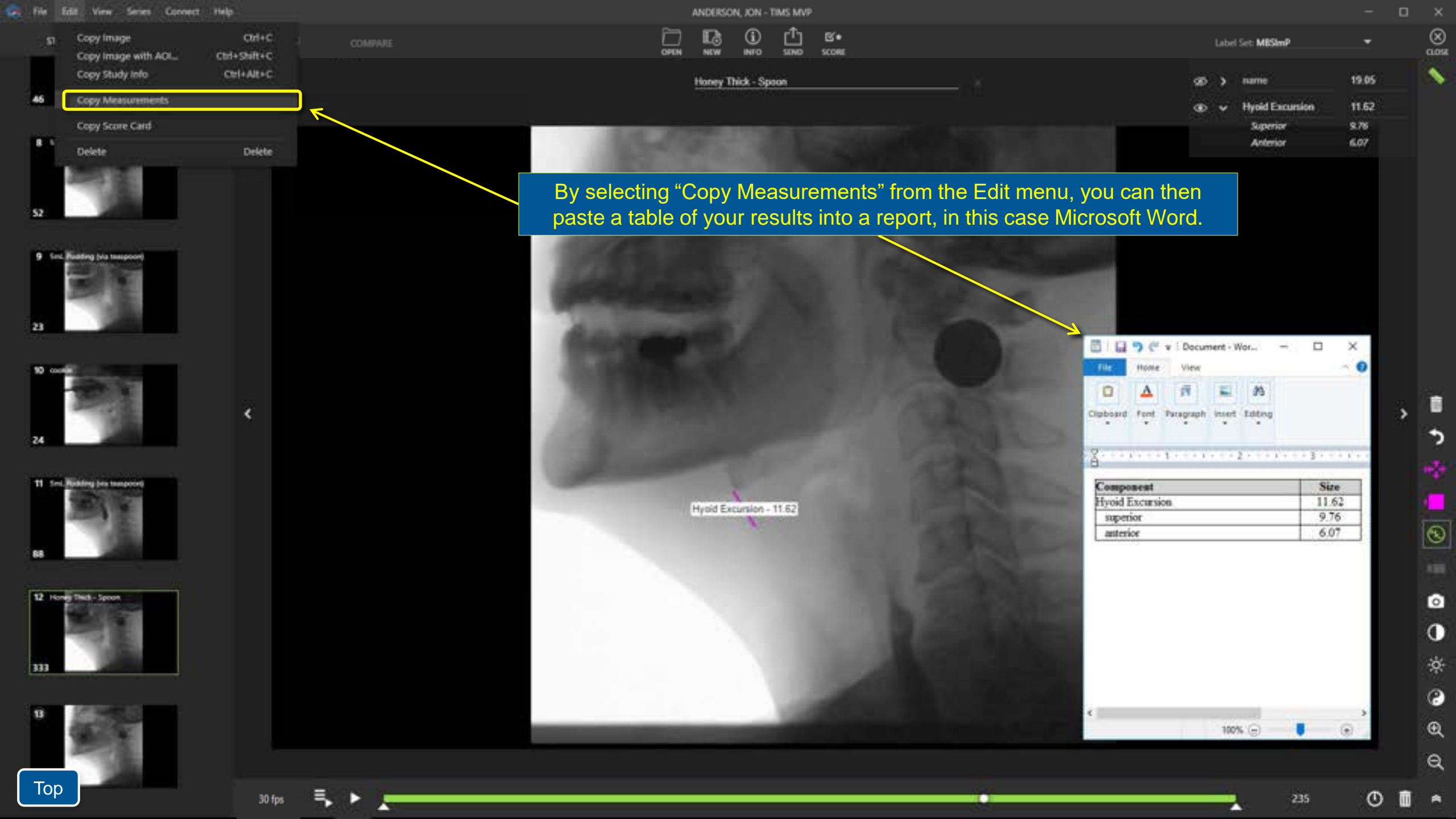


Moving frame-by-frame, find the frame with the Hyoid at maximum excursion. Using the Move tool, extend the measurement to the same reference point on the Hyoid. The excursion value will be displayed in millimeters.



Top





COMPARE

ANDERSON ION - TMS MVP
OPEN NEW INFO SEND SCORE

Label Set: MBSImP

Honey Thick - Spoon

name	19.05
Hyoid Excursion	11.62
Superior	9.76
Anterior	6.07

Hyoid Excursion - 11.62

Component	Size
Hyoid Excursion	11.62
superior	9.76
anterior	6.07

Top

30 fps

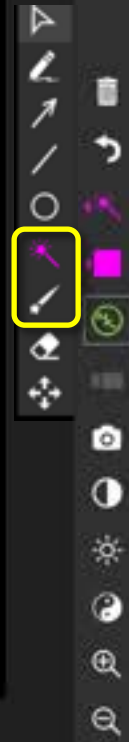
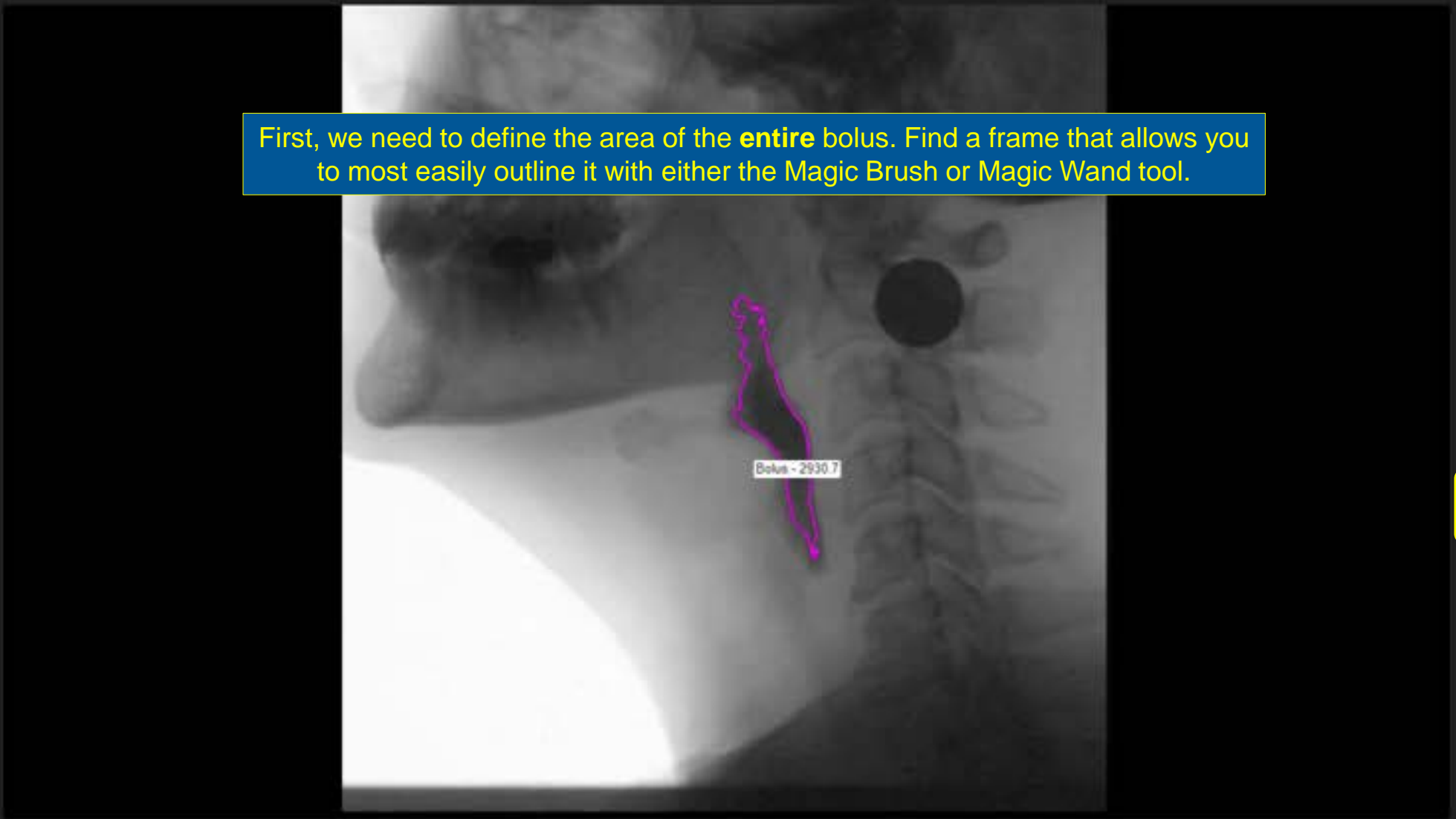
235

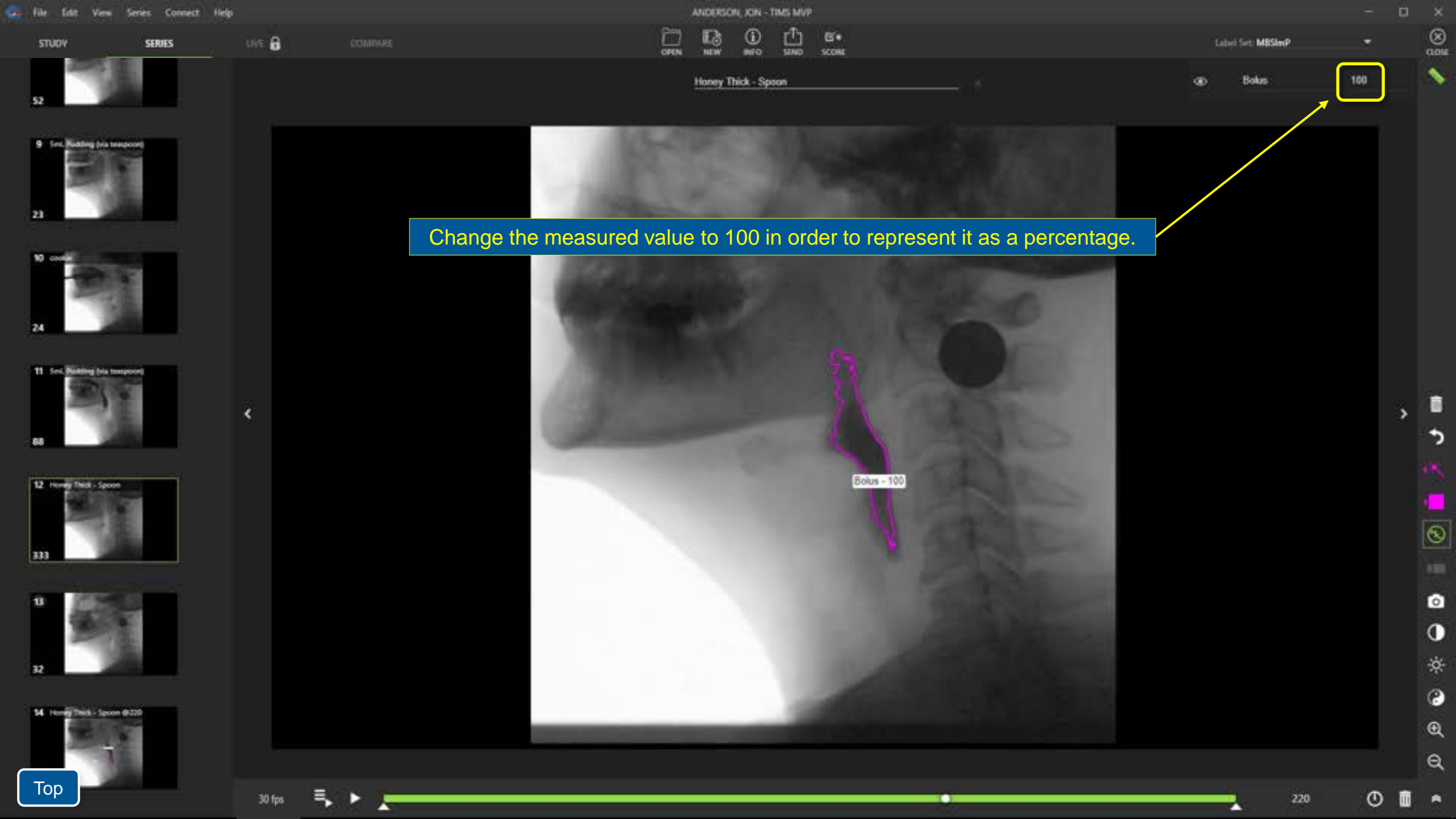
Measurement Example

Estimating Residue



First, we need to define the area of the **entire** bolus. Find a frame that allows you to most easily outline it with either the Magic Brush or Magic Wand tool.





Change the measured value to 100 in order to represent it as a percentage.

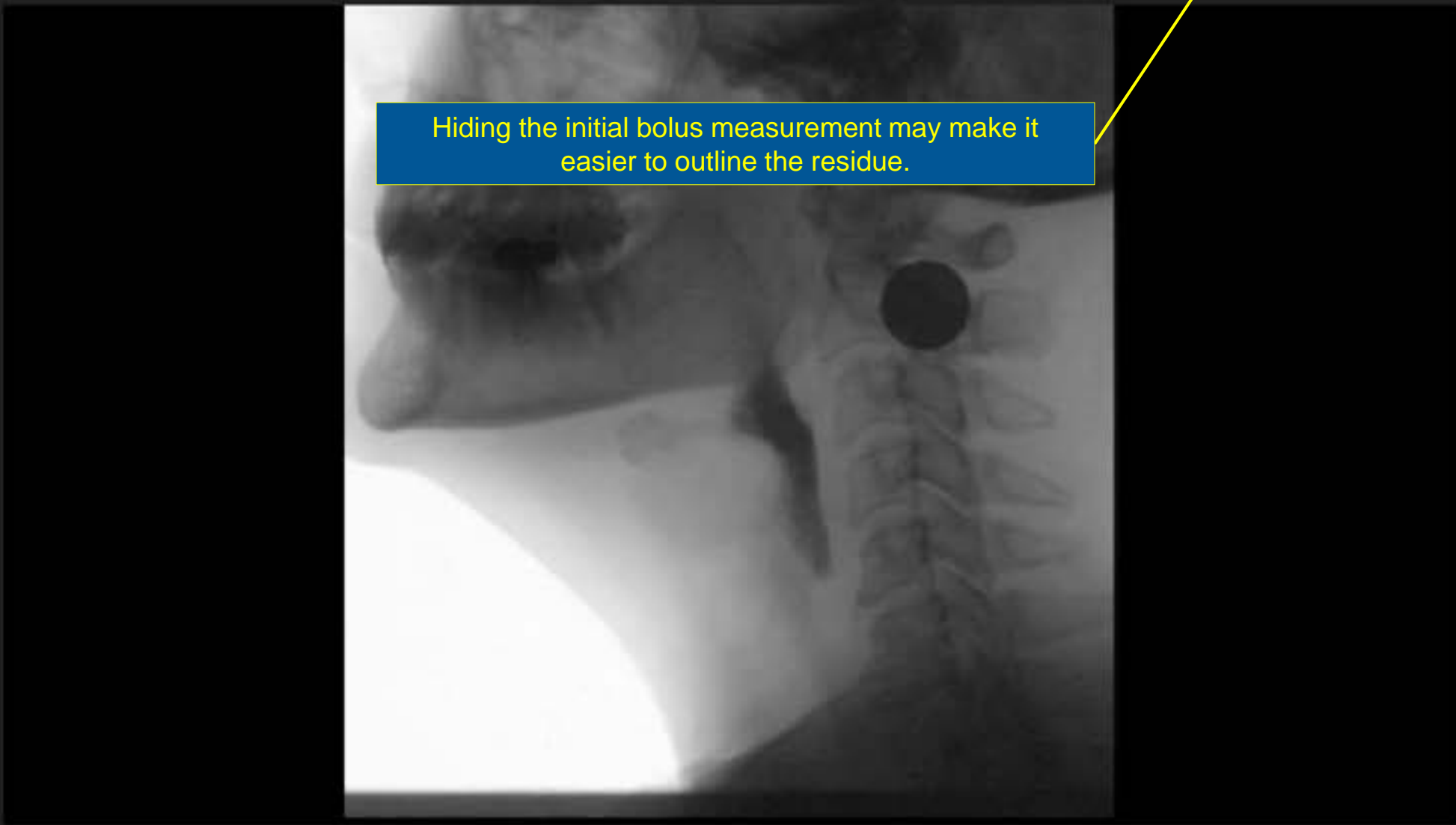
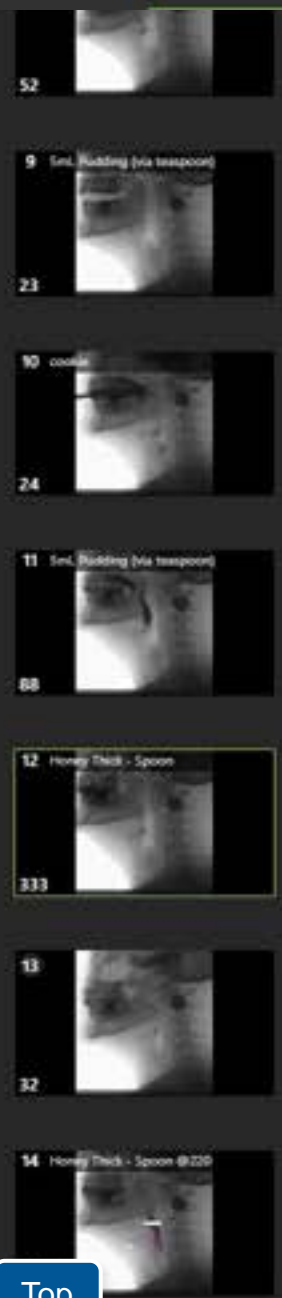
100

Bolus - 100

Top

30 fps

220



Hiding the initial bolus measurement may make it easier to outline the residue.





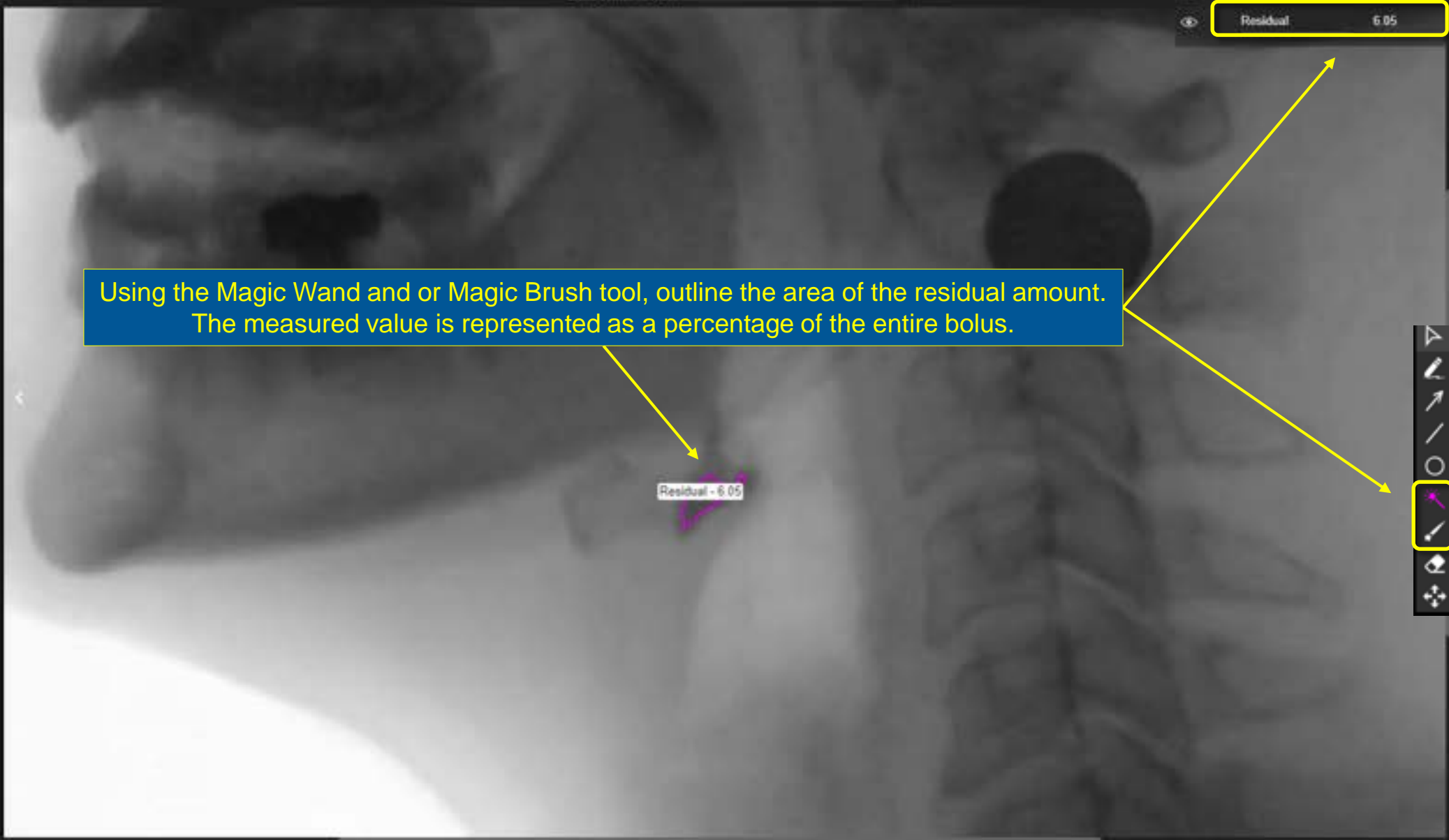
Honey Thick - Spoon

Bokus 100



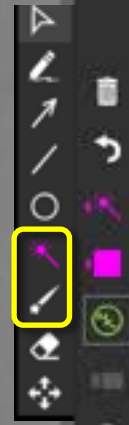
Move forward through the swallow until you can see residue. The view can be zoomed in to trace more accurately.

Top



Using the Magic Wand and or Magic Brush tool, outline the area of the residual amount. The measured value is represented as a percentage of the entire bolus.

Bolus	100
Residual	6.05





You can add your measured values as a table to a report by copying information using the Edit menu (be sure the values are not hidden). Deleted or erased values will not be included.

Label Set: MBSimP		
Bokus		100
Residual		6.05

Component	Size
Hyoid Excursion superior	9.76
anterior	6.07

Component	Size
Residual	6.05

Scoring a Study

Before implementing any of the included scoring protocols in TIMS MVP it is recommended that you consult the following resources that have been suggested by the researchers that developed them:

MBSImP

For MBSImP information & training the most direct link is:

<https://www.northernspeech.com/MBSImP/>

Other relevant articles, papers and validation studies:

- Martin-Harris, B., Brodsky, M. B., Michel, Y., Castell, D. O., Schleicher, M., Sandidge, J., ... & Blair, J. (2008). MBS measurement tool for swallow impairment—MBSImp: establishing a standard. *Dysphagia*, 23(4), 392-405.

- Martin-Harris, B., Humphries, K., & Garand, K. L. (2017). The modified barium swallow impairment profile (MBSImP™©)—innovation, dissemination and implementation. *Perspectives of the ASHA Special Interest Groups*, 2(13), 129-138.

- Clain, A., Alkhuwaiter, M., Davidson, K., Martin-Harris, B. (2022, online ahead of print). Structural Validity, Internal Consistency, and Rater Reliability of the Modified Barium Swallow Impairment Profile: Breaking Ground on a 52,726-Patient Clinical Data Set. *Journal of Speech, Language, and Hearing Research*, 65(3), 1-12.

DIGEST

DIGEST training is recommended and available at: <https://mdanderson.cloud-cme.com/digest>

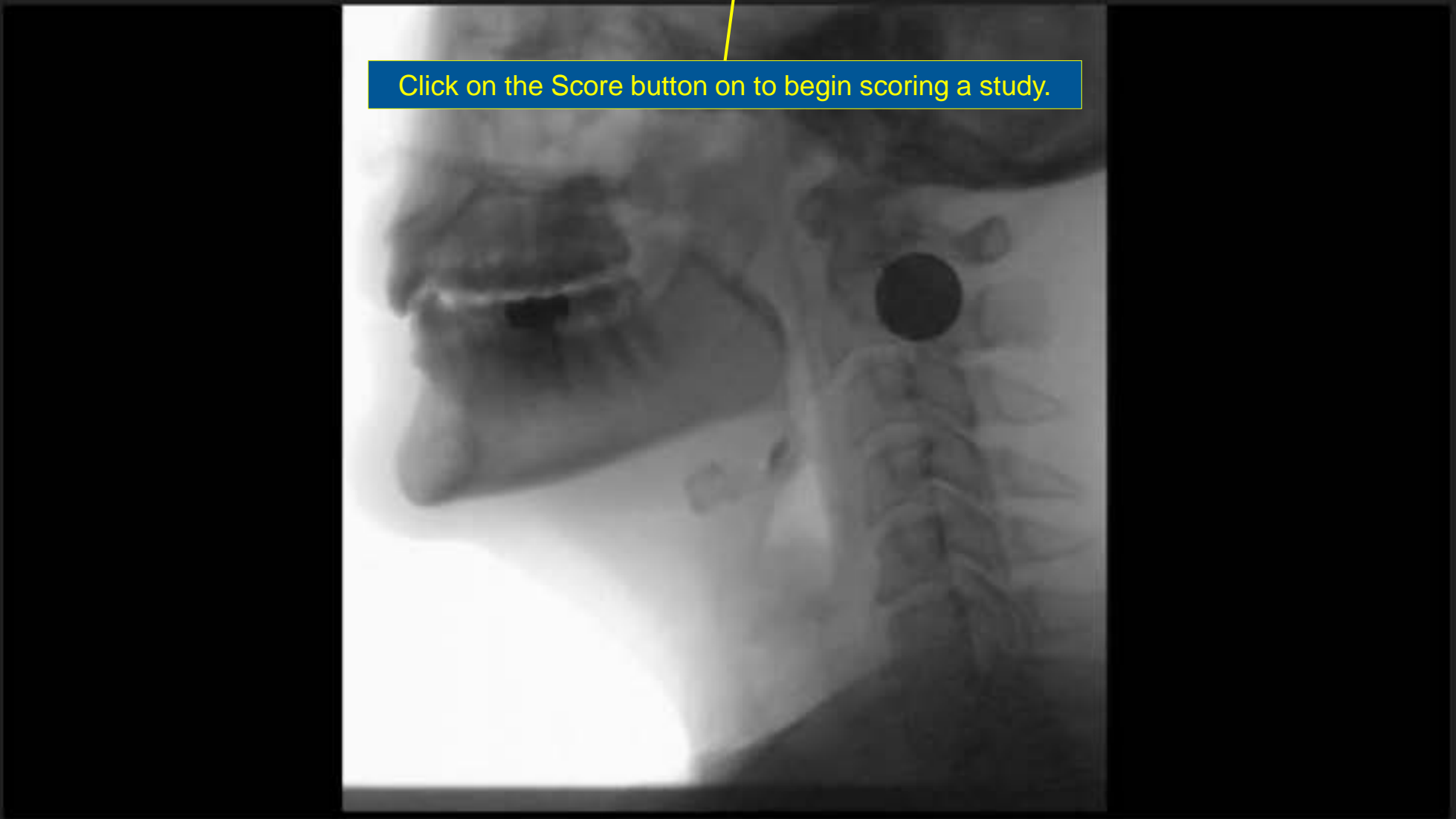
Join the mailing list: DIGEST@mdanderson.org

Here are some suggested papers on FOIS & PAS:

FOIS: Crary, M. A., Mann, G. D. C., & Groher, M. E. (2005). Initial psychometric assessment of a functional oral intake scale for dysphagia in stroke patients. *Archives of physical medicine and rehabilitation*, 86(8), 1516-1520.

PAS: Rosenbek, J. C., Robbins, J. A., Roecker, E. B., Coyle, J. L., & Wood, J. L. (1996). A penetration-aspiration scale. *Dysphagia*, 11(2), 93-98.

- 1 Initial View 171
- 2 Sim_Thin - trial 1 (via tearpool) 133
- 3 Sim_Thin - trial 2 (via tearpool) 78
- 4 Cup_Sp_Thin 47
- 5 Sequential Thin 135
- 6 Sim_Thick (via tearpool) 140
- 7 Sim_Thinny (via tearpool)



Click on the Score button on to begin scoring a study.

Top

- 1 Initial View 171
- 2 Sim_Thin - trial 1 (via teatpoon) 133
- 3 Sim_Thin - trial 2 (via teatpoon) 78
- 4 Cup So Thin 47
- 5 Sequential Thin 135
- 6 Sim_Thick (via teatpoon) 140
- 7 Sim_Thinny (via teatpoon)

Scorecards

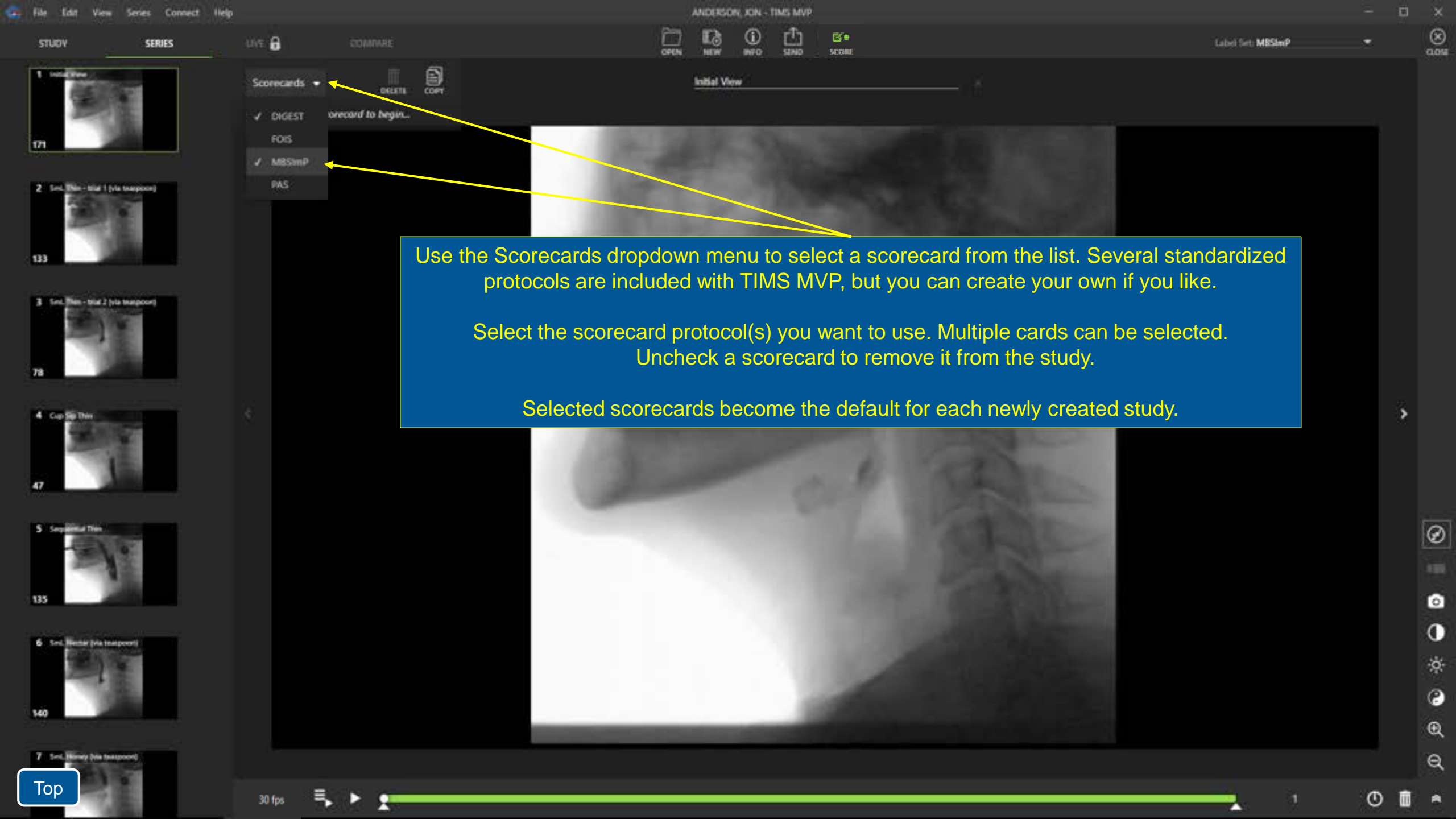


select a scorecard to begin...

Use the Scorecards dropdown to view and select available scorecards.



Top



Use the Scorecards dropdown menu to select a scorecard from the list. Several standardized protocols are included with TIMS MVP, but you can create your own if you like.

Select the scorecard protocol(s) you want to use. Multiple cards can be selected. Uncheck a scorecard to remove it from the study.

Selected scorecards become the default for each newly created study.

Top

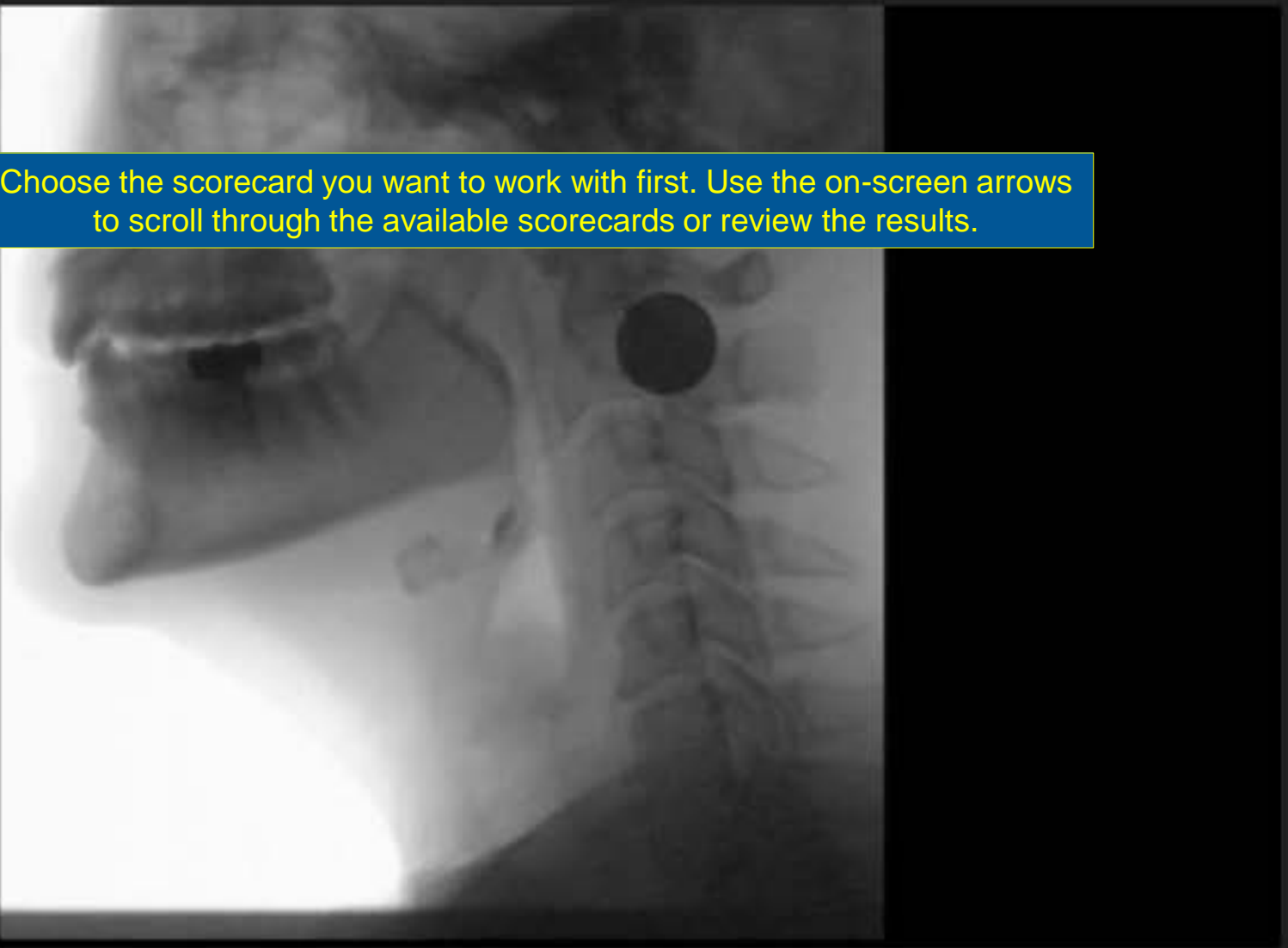
- 1 Initial view 171
- 2 Sml_Thin - trial 1 (via teaspoon) 133
- 3 Sml_Thin - trial 2 (via teaspoon) 78
- 4 Cup_Sp_Thin 47
- 5 Sequential Thin 135
- 6 Sml_Thick (via teaspoon) 140
- 7 Sml_Thinny (via teaspoon)

Scorecards

DELETE COPY MBSIMP

MBSIMP RESULTS

- Lip closure
- Hold Position
- Bolus Preparation
- Bolus Transport
- Oral Residue
- Swallow Initiation
- Soft Palate Elevation
- Laryngeal Elevation
- Anterior Hyoid Motion
- Epiglottic Movement
- Laryngeal Closure
- Pharyngeal Stripping Wave
- Pharyngeal Contraction
- PES Opening
- Tongue Base Retraction
- Pharyngeal Residue
- Esophageal Clearance



Choose the scorecard you want to work with first. Use the on-screen arrows to scroll through the available scorecards or review the results.

Top

- 1 Initial View
- 171
- 2 SmL_Thin - trial 1 (via teaspoon)
- 133
- 3 SmL_Thin - trial 2 (via teaspoon)
- 78
- 4 Cup_Sp_Thin
- 47
- 5 Sequential Thin
- 135
- 6 SmL_Nectar (via teaspoon)
- 140
- 7 SmL_Thinny (via teaspoon)

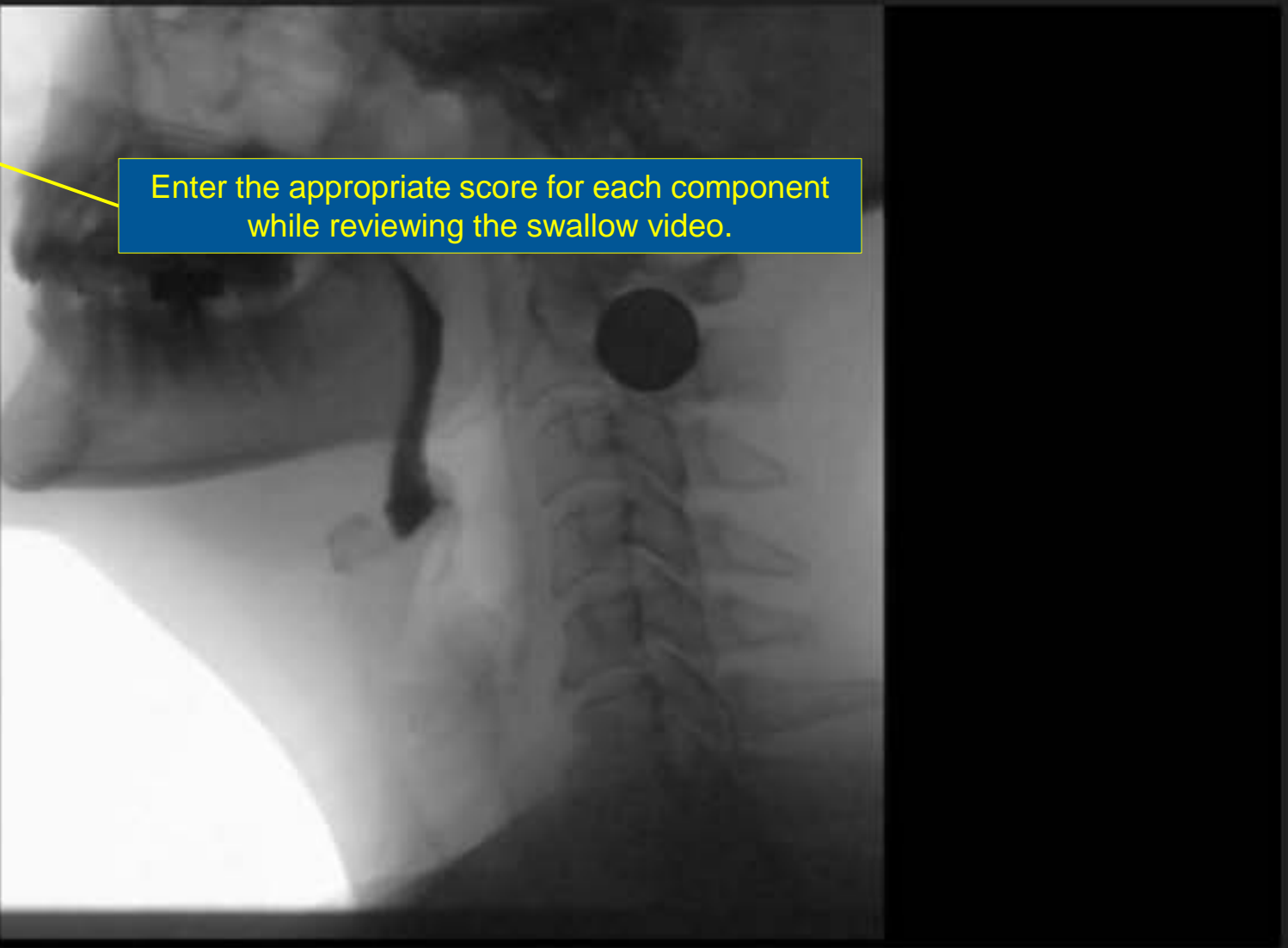
Scorecards

DELETE COPY SHARE

MBSIMP RESULTS

||

- Lip closure 1
- Hold Position 1
- Bolus Preparation
- Bolus Transport
- Oral Residue
- Swallow Initiation
- Soft Palate Elevation
- Laryngeal Elevation
- Anterior Hyoid Motion
- Epiglottic Movement
- Laryngeal Closure
- Pharyngeal Stripping Wave
- Pharyngeal Contraction
- PES Opening
- Tongue Base Retraction
- Pharyngeal Residue
- Esophageal Clearance



Enter the appropriate score for each component while reviewing the swallow video.

Top

- 1 Initial View
- 171
- 2 SmL_Thin - trial 1 (via teaspoon)
- 133
- 3 SmL_Thin - trial 2 (via teaspoon)
- 78
- 4 Cup_Sp_Thin
- 47
- 5 Sequential Thin
- 135
- 6 SmL_Nectar (via teaspoon)
- 140
- 7 SmL_Thinny (via teaspoon)

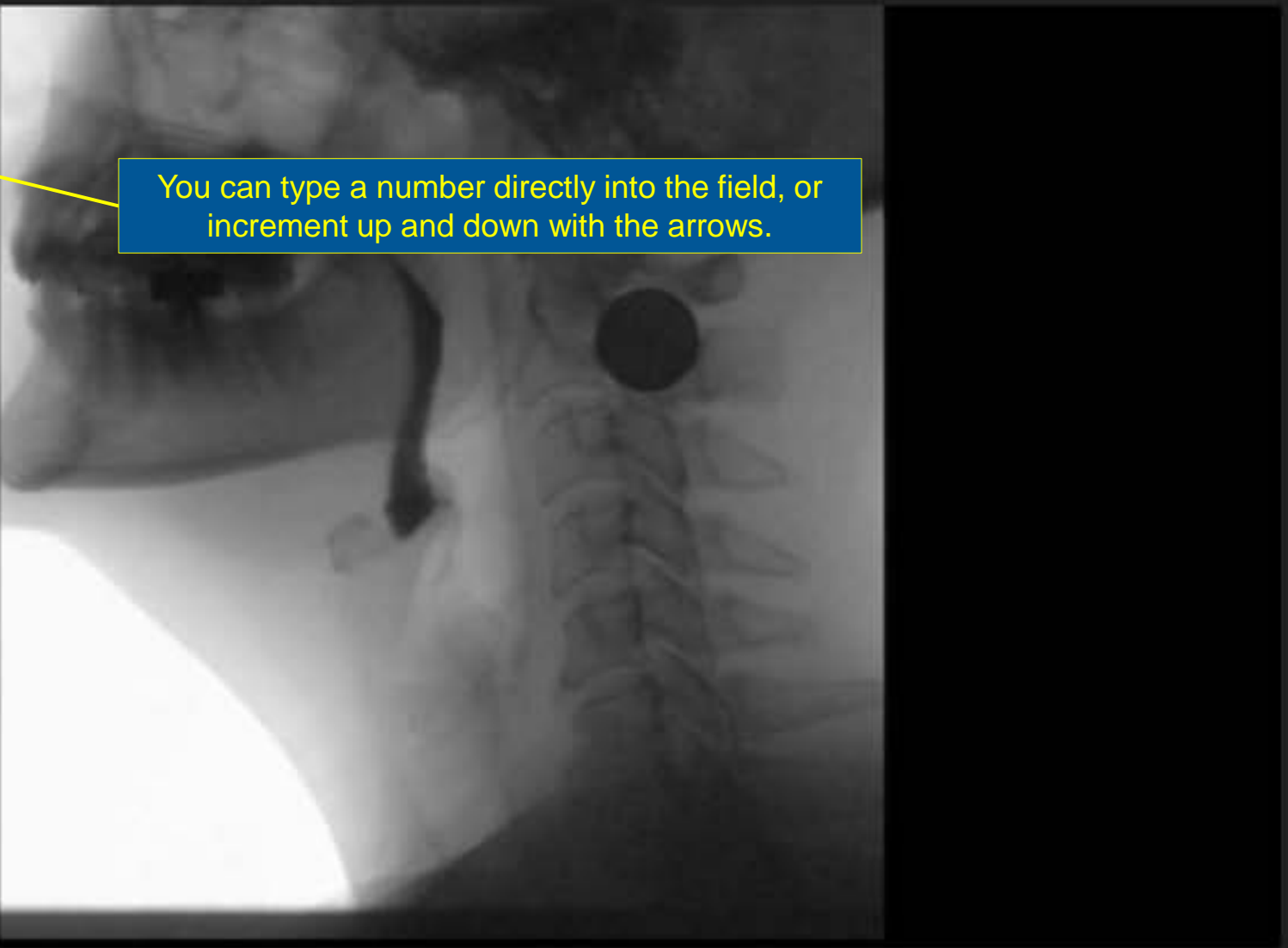
Scorecards

DELETE COPY MBSIMP

SmL_Nectar (via teaspoon)

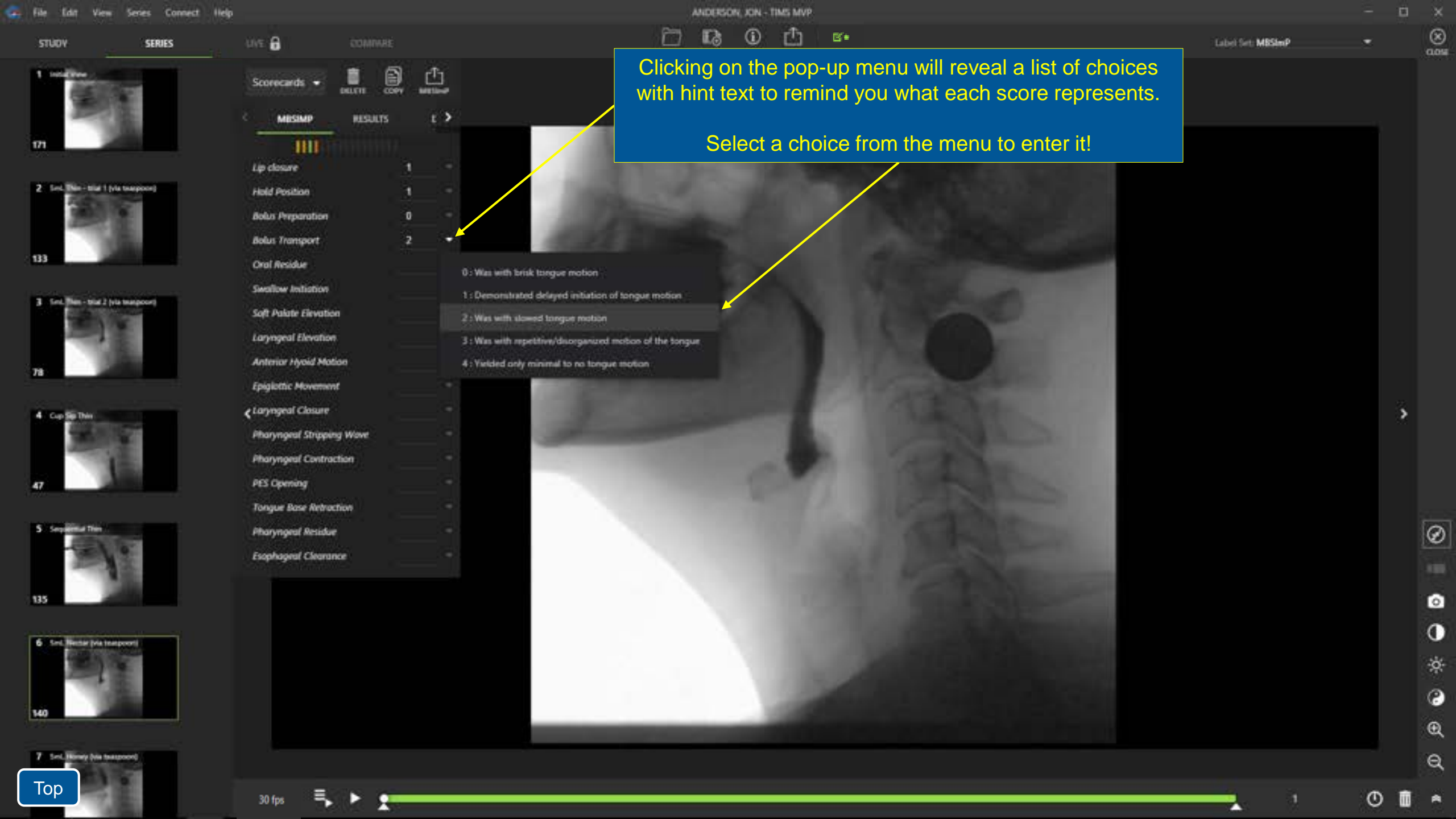
MBSIMP RESULTS

Lip closure	1
Hold Position	1
Bolus Preparation	0
Bolus Transport	
Oral Residue	
Swallow Initiation	
Soft Palate Elevation	
Laryngeal Elevation	
Anterior Hyoid Motion	
Epiglottic Movement	
Laryngeal Closure	
Pharyngeal Stripping Wave	
Pharyngeal Contraction	
PES Opening	
Tongue Base Retraction	
Pharyngeal Residue	
Esophageal Clearance	



You can type a number directly into the field, or increment up and down with the arrows.

Top



Clicking on the pop-up menu will reveal a list of choices with hint text to remind you what each score represents.

Select a choice from the menu to enter it!

Scorecards

MBSIMP RESULTS

- Lip closure 1
- Hold Position 1
- Bolus Preparation 0
- Bolus Transport 2
- Oral Residue
- Swallow Initiation
- Soft Palate Elevation
- Laryngeal Elevation
- Anterior Hyoid Motion
- Epiglottic Movement
- Laryngeal Closure
- Pharyngeal Stripping Wave
- Pharyngeal Contraction
- PES Opening
- Tongue Base Retraction
- Pharyngeal Residue
- Esophageal Clearance

- 0: Was with brisk tongue motion
- 1: Demonstrated delayed initiation of tongue motion
- 2: Was with slowed tongue motion
- 3: Was with repetitive/disorganized motion of the tongue
- 4: Yielded only minimal to no tongue motion

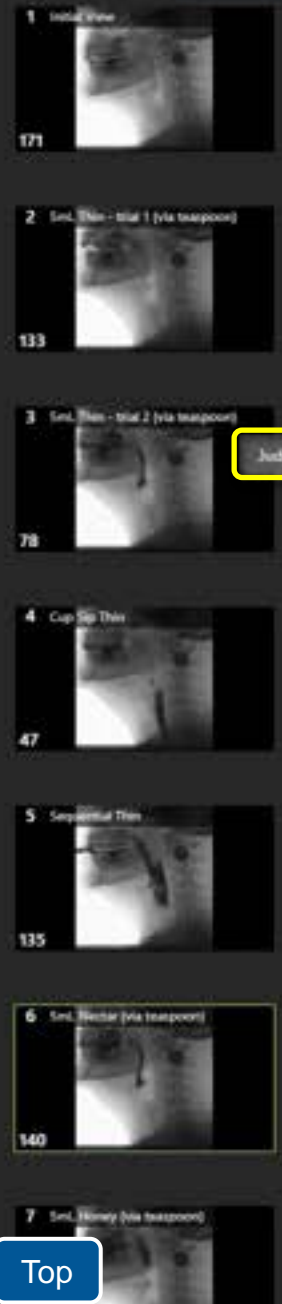
Top

30 fps



1





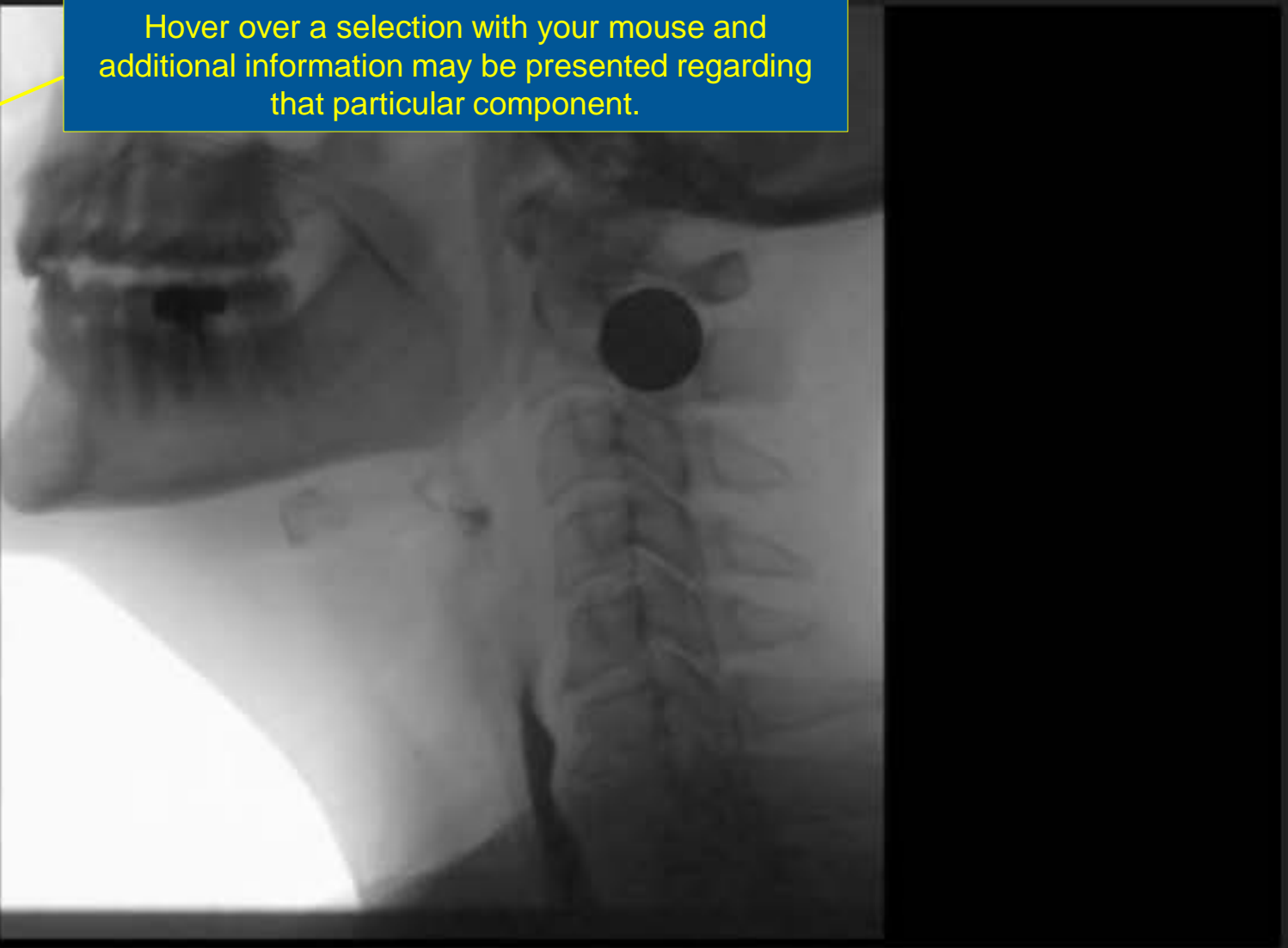
Scorecards DELETE COPY MBSIMP

MBSIMP RESULTS

Lip closure	1
Hold Position	1
Bolus Preparation	0
Bolus Transport	2
Oral Residue	1
Swallow Initiation	3
Laryngeal Elevation	
Anterior Hyoid Motion	
Epiglottic Movement	
Laryngeal Closure	
Pharyngeal Stripping Wave	
Pharyngeal Contraction	
PES Opening	
Tongue Base Retraction	
Pharyngeal Residue	
Esophageal Clearance	

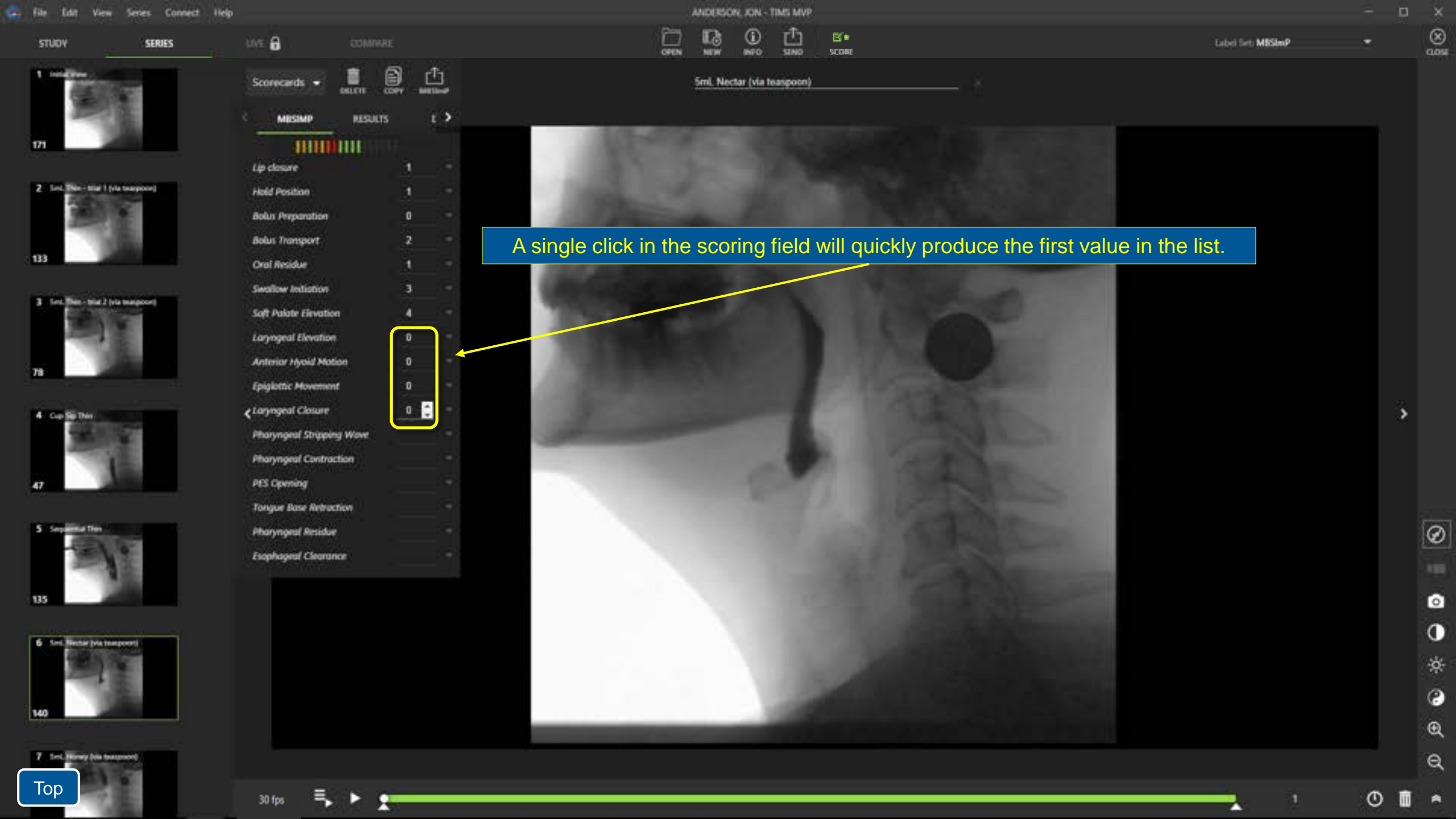
Judge at first movement of the brisk superior anterior hyoid trajectory

Hover over a selection with your mouse and additional information may be presented regarding that particular component.



Top

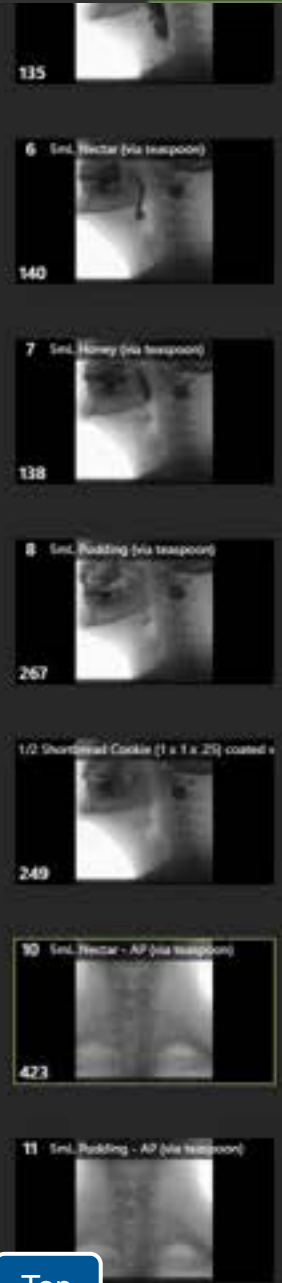




A single click in the scoring field will quickly produce the first value in the list.

MBSIMP	
RESULTS	
Lip closure	1
Hold Position	1
Bolus Preparation	0
Bolus Transport	2
Oral Residue	1
Swallow Initiation	3
Soft Palate Elevation	4
Laryngeal Elevation	0
Anterior Hyoid Motion	0
Epiglottic Movement	0
Laryngeal Closure	0
Pharyngeal Stripping Wave	
Pharyngeal Contraction	
PES Opening	
Tongue Base Retraction	
Pharyngeal Residue	
Esophageal Clearance	

Top

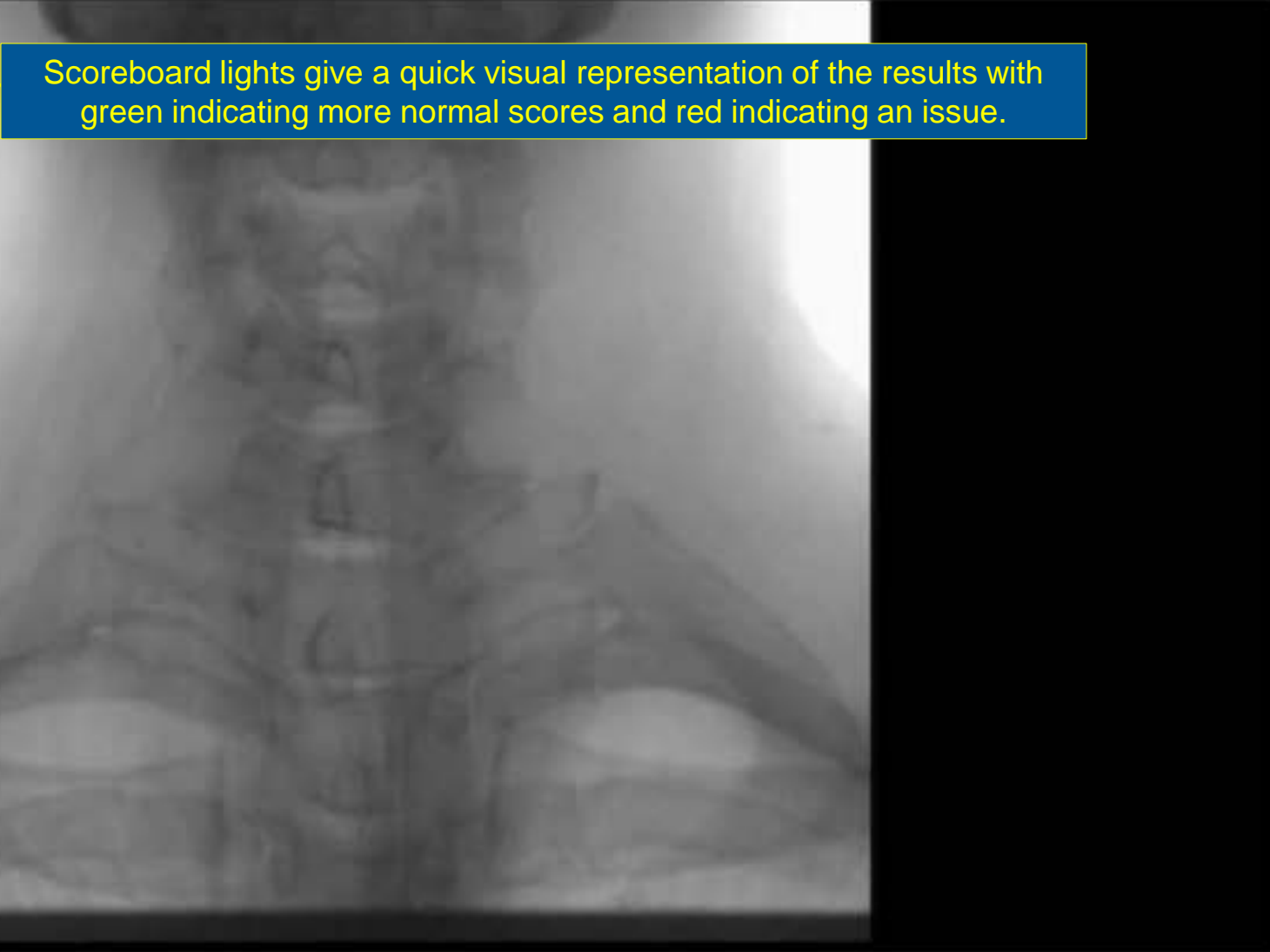


Scorecards DELETE COPY MBSIMP

SmL Nectar - AP (via teaspoon)

MBSIMP RESULTS

MBSIMP RESULTS		
Lip closure	1	
Hold Position	1	
Bolus Preparation	0	
Bolus Transport	2	
Oral Residue	1	
Swallow Initiation	3	
Soft Palate Elevation	4	
Laryngeal Elevation	0	
Anterior Hyoid Motion	0	
Epiglottic Movement	0	
Laryngeal Closure	0	
Pharyngeal Stripping Wave	1	
Pharyngeal Contraction	1	
PES Opening	2	
Tongue Base Retraction	2	
Pharyngeal Residue	3	
Esophageal Clearance	3	



Scoreboard lights give a quick visual representation of the results with green indicating more normal scores and red indicating an issue.

Top

STUDY SERIES

LIVE LOCK COMPARE

OPEN NEW INFO SEND SCORE

Label Set: MBSImP

- 135
- 6 5ml Nectar (via teaspoon)
- 140
- 7 5ml Honey (via teaspoon)
- 138
- 8 5ml Pudding (via teaspoon)
- 267
- 1/2 Shortbread Cookie (1 x 1 x .25) coated w
- 249
- 10 5ml Nectar - AP (via teaspoon)
- 423
- 11 5ml Pudding - AP (via teaspoon)

Scorecards

DELETE COPY MBSImP

MBSImP RESULTS

Oral Score	6
Pharyngeal Score	13
Esophageal Score	3

5ml Nectar - AP (via teaspoon)



The results are calculated using the entered scores for each section.

Top

Scorecards

DELETE COPY SHARE

IS DIGEST RESULTS

SAFETY GRADE	1
EFFICIENCY GRADE	3
DIGEST	2
Max Exam PAS	4
Max Exam Residue	2
Modifiers	1

Copy and paste the info into a document or report.

- 135
- 6 SmL Nectar (via teaspoon)
- 140
- 7 SmL Honey (via teaspoon)
- 138
- 8 SmL Pudding (via teaspoon)
- 267
- 1/2 Shortbread Cookie (1 x 1 x .25) coated w
- 249
- 10 SmL Nectar - AP (via teaspoon)
- 423
- 11 SmL Pudding - AP (via teaspoon)



Results:

COMPONENT	Scale	SCORE
1 Oral Score	(0-18)	6
2 Pharyngeal Score	(0-29)	13
3 Esophageal Score	(0-4)	3

DIGEST:

COMPONENT	Scale	SCORE	
1 Thin Max PAS	(1-8)	1	Contrast did not enter the airway
2 Nectar Max PAS	(1-8)	2	Contrast entered the airway, remained above the vocal folds, and was ejected from the airway.
3 Honey Max PAS	(1-8)	3	Contrast entered the airway, remained above the vocal folds, and was not ejected from the airway.
4 Liquid Max PAS	(1-8)	3	Maximum PAS Score over all liquid trials
5 Liquid Max Residue	(0-3)	2	50 - 90%
6 Pudding Max PAS	(1-8)	4	Contrast entered the airway, contacted the vocal folds, and was ejected from the airway.
7 Pudding Max Residue	(0-3)	2	50 - 90%
8 Cracker Max PAS	(1-8)	4	Contrast entered the airway, contacted the vocal folds, and was ejected from the airway.
9 Cracker Max Residue	(0-3)	2	50 - 90%
10 Frequency of PAS == 5	(0-2)	1	Intermittent (under 50% of trials on a single consistency)
11 Amount of PAS == 5	(0-2)	1	Neither trace nor gross

Results:

COMPONENT	Scale	SCORE	
1 SAFETY GRADE	(0-4)	1	Modifier adjusted aspiration or laryngeal penetration.
2 EFFICIENCY GRADE	(0-4)	3	Modifier adjusted pharyngeal residue
3 DIGEST	(0-4)	2	0 - Normal, 1 - Mild, 2 - Moderate, 3 - Severe, 4 - Life threatening
4 Max Exam PAS	(1-8)	4	Maximum PAS Score over all bolus trials
5 Max Exam Residue	(0-3)	2	
6 Modifiers	(0-4)	1	

Top

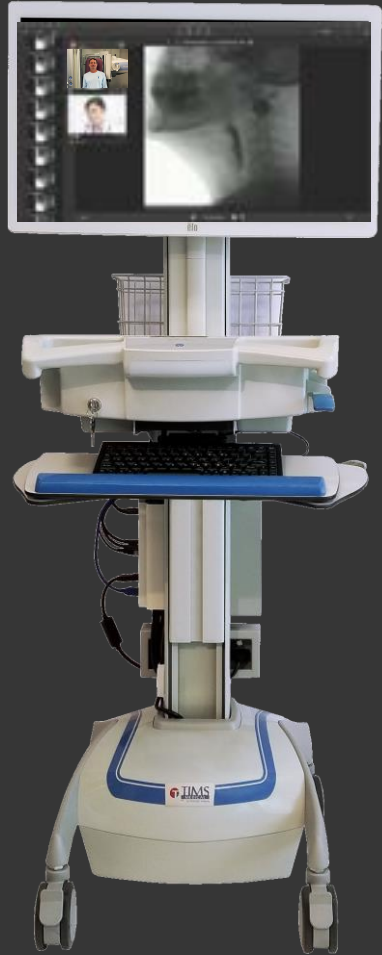


TIMS Connect

What is TIMS Connect?

TIMS Connect makes it possible to live-stream an MBS or FEES study from a procedure room to another computer in the hospital running TIMS Review.

The point-to-point connection facilitates collaboration and communication throughout a hospital, or hospital group, in real time.



Live Stream fluoro or FEES video from TIMS MVP!

Two-way webcam video and audio!



Speech Office or any computer running TIMS Review

TIMS MVP in radiology or any procedure room

What is TIMS Connect?



TIMS Connect Features

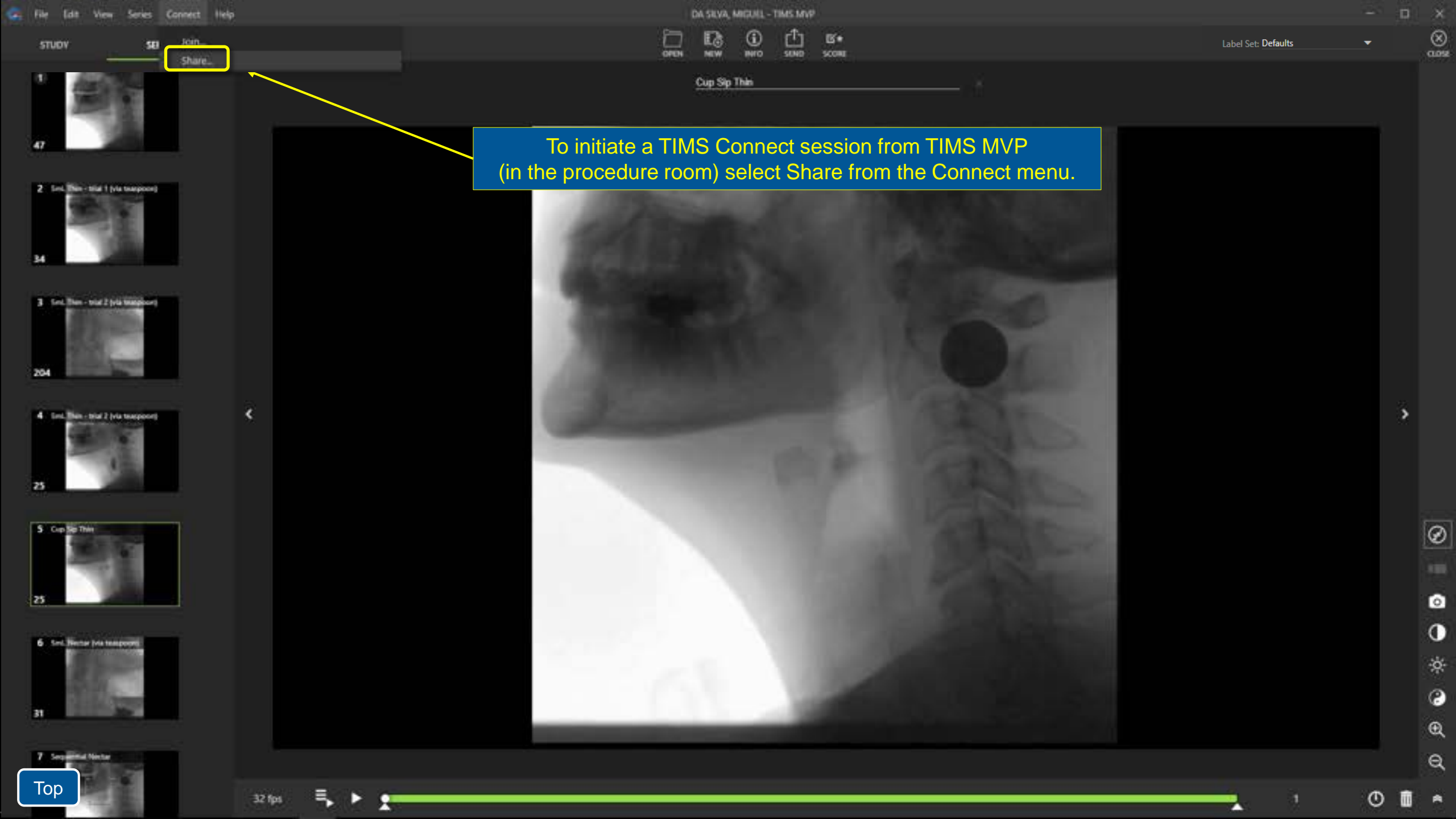
- Software add-on for any TIMS MVP system
- Real time video transmission from any modality (fluoroscopes, endoscopes, ultrasound etc.)
- Optionally control the in-room system remotely to record, edit & review studies!
- Two-way live webcam video & audio
- Utilizes existing hospital networks
- Remote user support with VPN
- Secure & encrypted

Typical Use Cases for TIMS Connect

- Quickly and easily consult with experts within the hospital system.
- Train new staff without overcrowding procedure rooms.
- Efficiently supervise procedures remotely from any office.
- Educate students in a university setting to prepare for live "in-room" procedures.

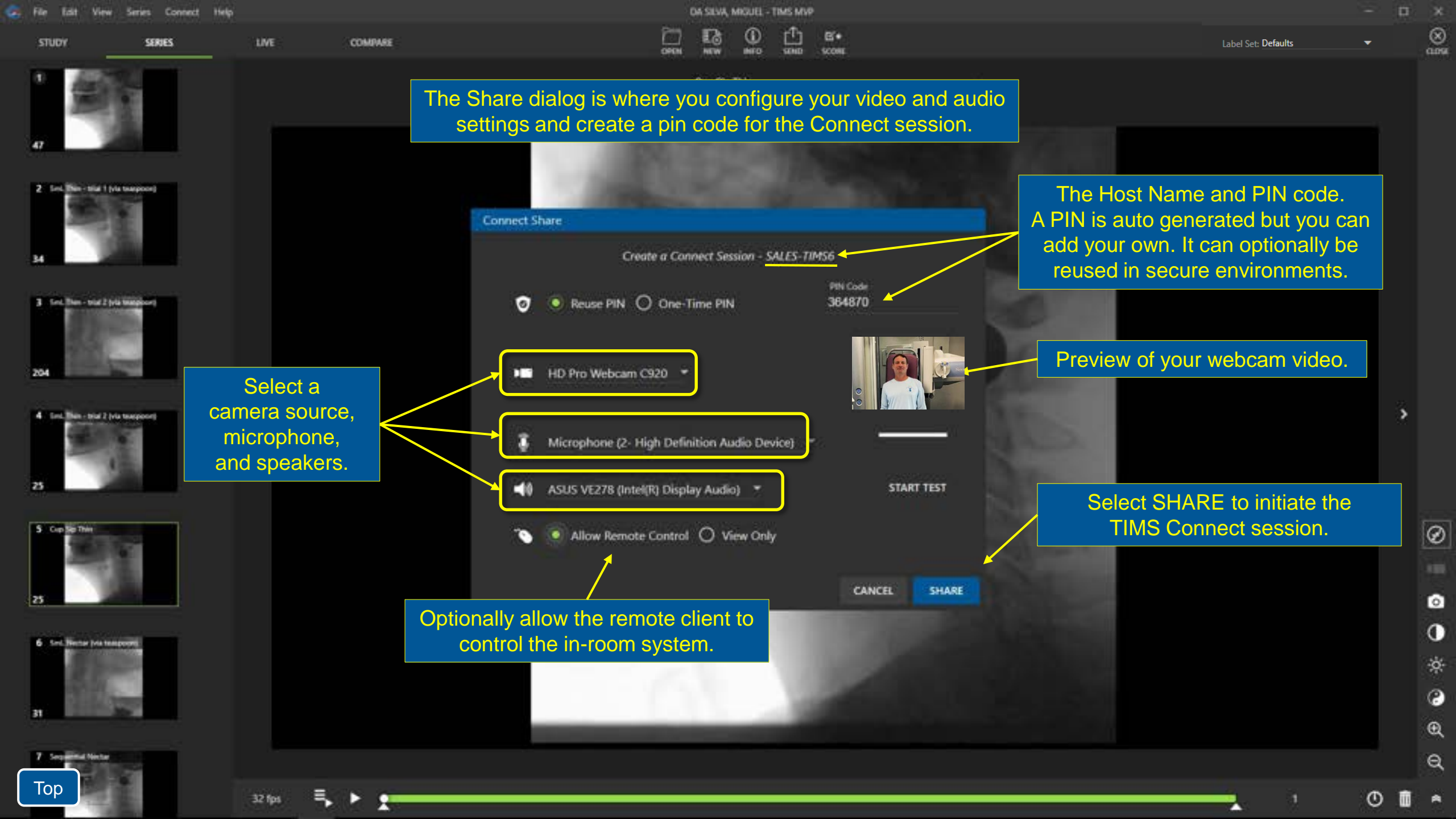
TIMS Connect is a paid subscription add-on to TIMS MVP

You can receive a free trial for the TIMS Connect feature by calling our sales dept. at 978-458-4624 ext. 298 or send an email to info@tims.com with your request.



To initiate a TIMS Connect session from TIMS MVP (in the procedure room) select Share from the Connect menu.

Top



The Share dialog is where you configure your video and audio settings and create a pin code for the Connect session.

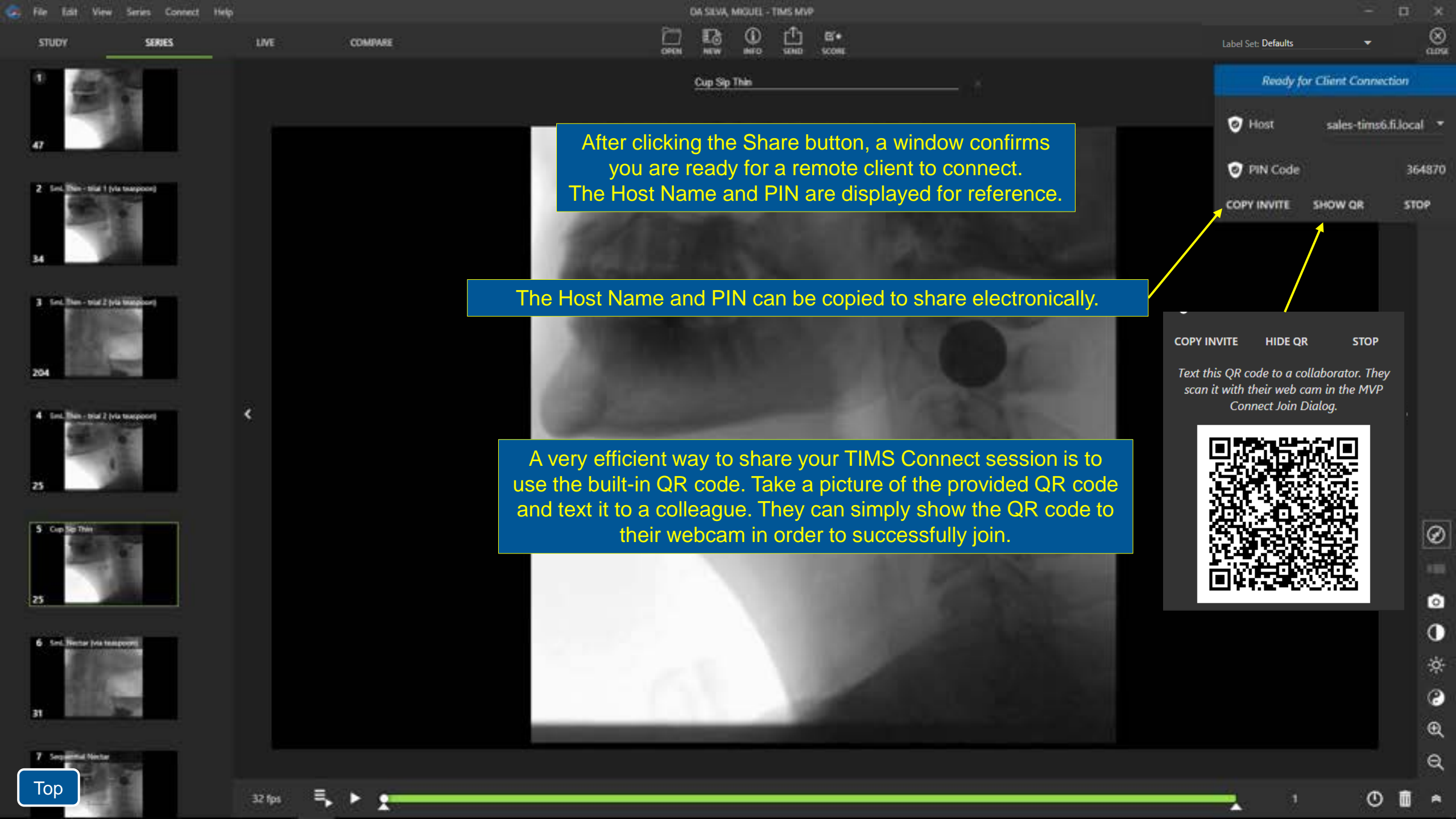
The Host Name and PIN code. A PIN is auto generated but you can add your own. It can optionally be reused in secure environments.

Preview of your webcam video.

Select a camera source, microphone, and speakers.

Select SHARE to initiate the TMS Connect session.

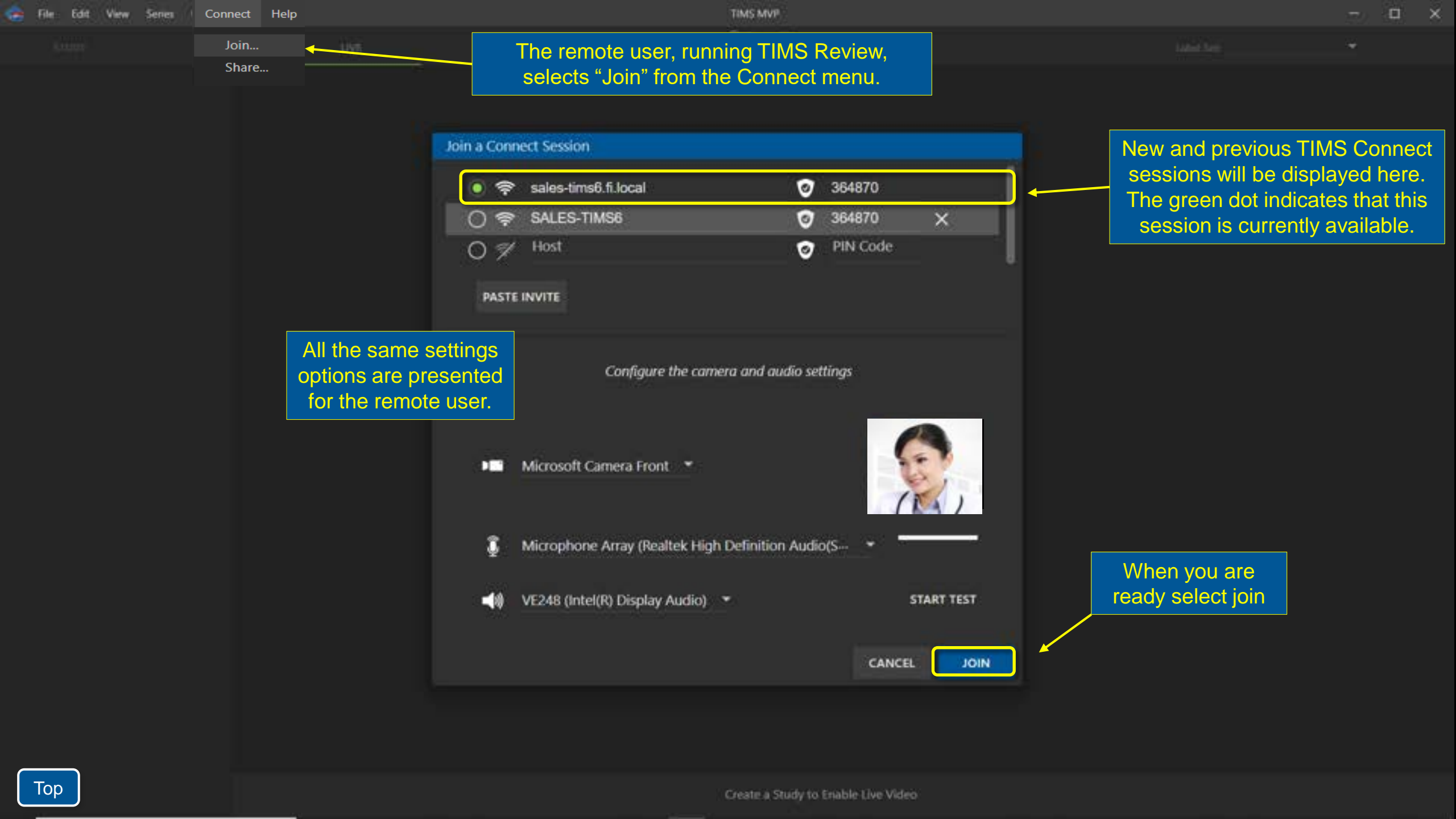
Optionally allow the remote client to control the in-room system.



After clicking the Share button, a window confirms you are ready for a remote client to connect. The Host Name and PIN are displayed for reference.

The Host Name and PIN can be copied to share electronically.

A very efficient way to share your TMS Connect session is to use the built-in QR code. Take a picture of the provided QR code and text it to a colleague. They can simply show the QR code to their webcam in order to successfully join.



Join...
Share...

The remote user, running TIMS Review, selects "Join" from the Connect menu.

Join a Connect Session

<input checked="" type="radio"/>	sales-tims6.fi.local	364870
<input type="radio"/>	SALES-TIMS6	364870
<input type="radio"/>	Host	PIN Code

PASTE INVITE

Configure the camera and audio settings

Microsoft Camera Front

Microphone Array (Realtek High Definition Audio(S...

VE248 (Intel(R) Display Audio)

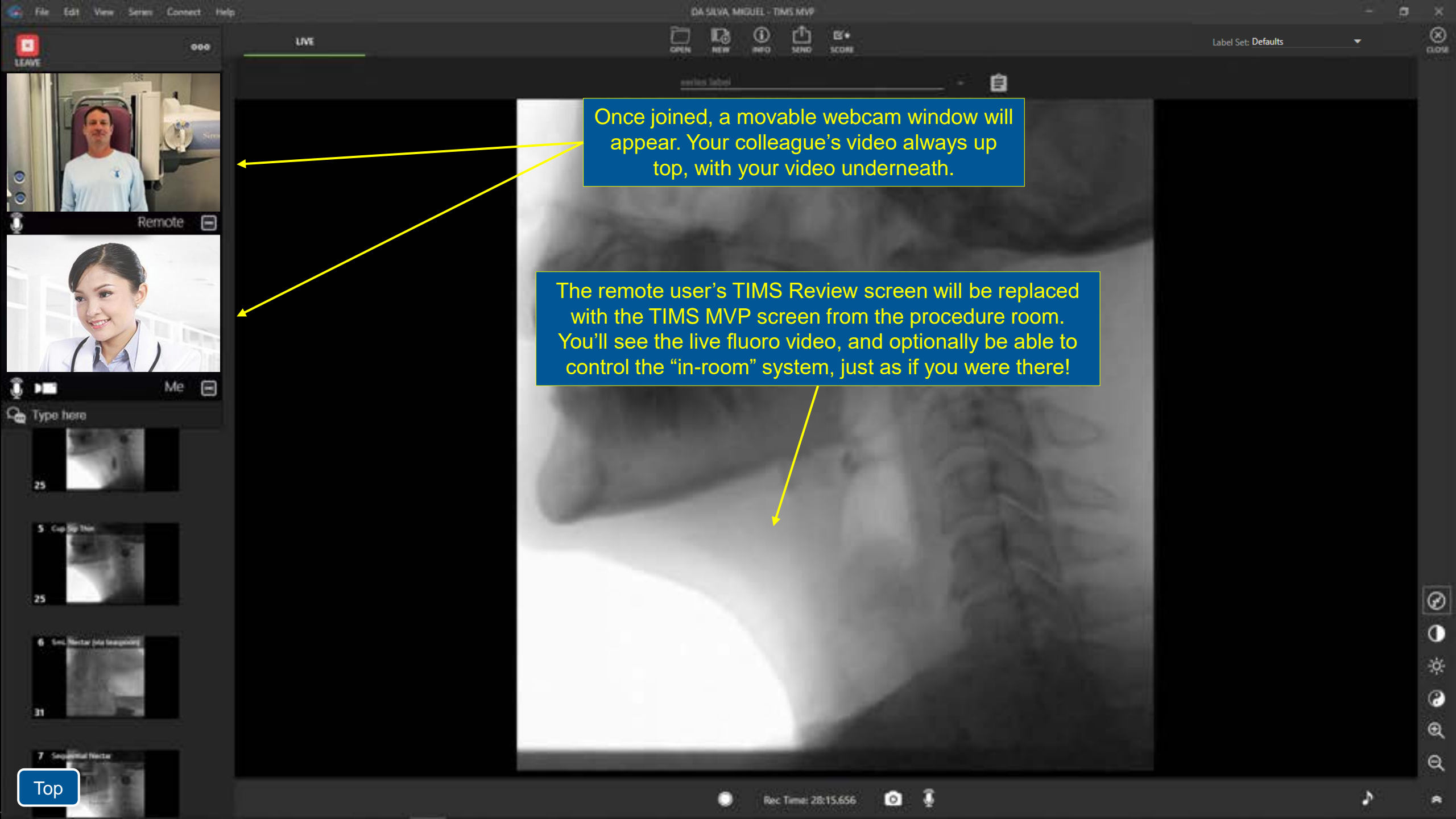
START TEST

CANCEL JOIN

New and previous TIMS Connect sessions will be displayed here. The green dot indicates that this session is currently available.

All the same settings options are presented for the remote user.

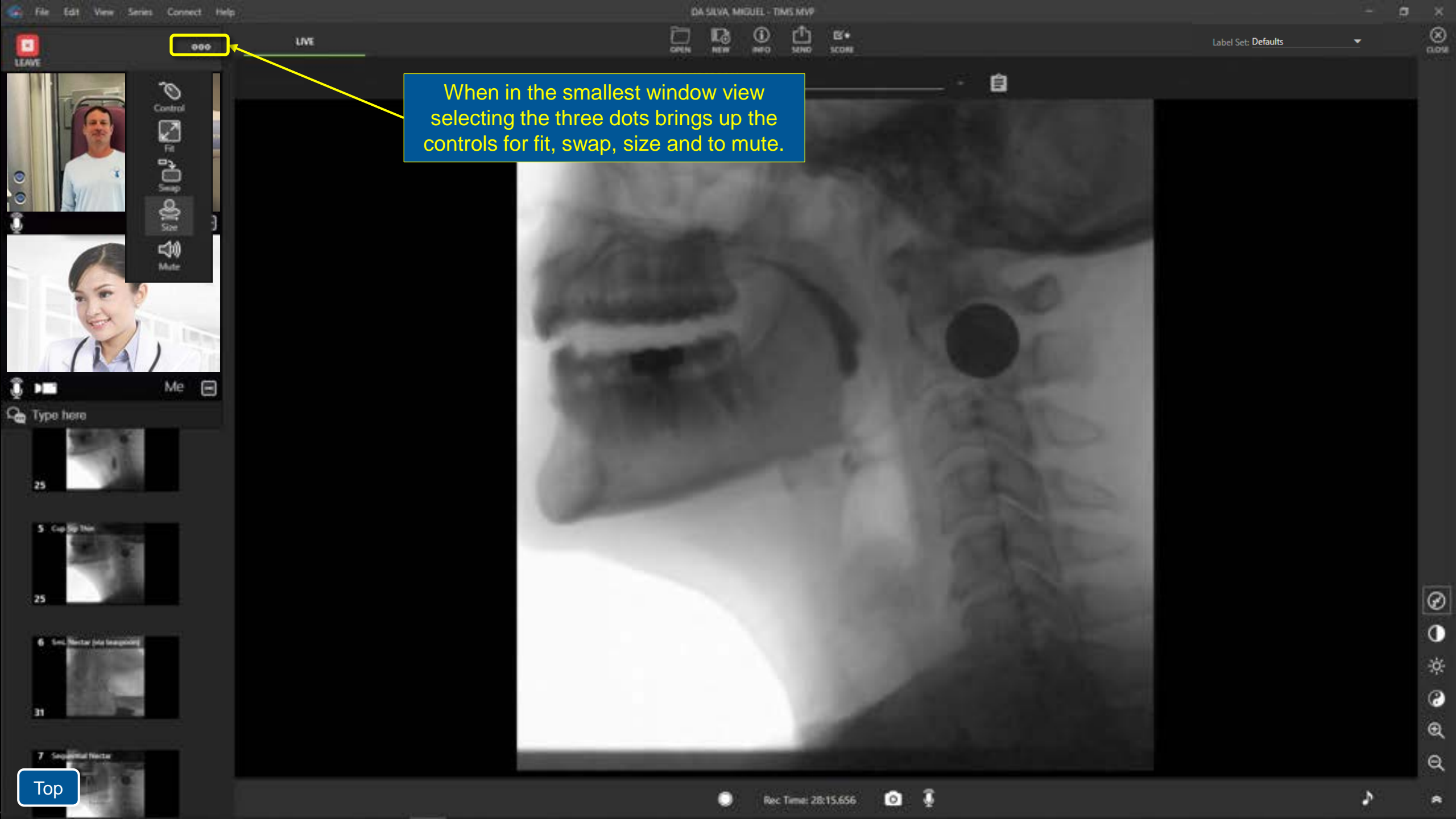
When you are ready select join



Once joined, a movable webcam window will appear. Your colleague's video always up top, with your video underneath.

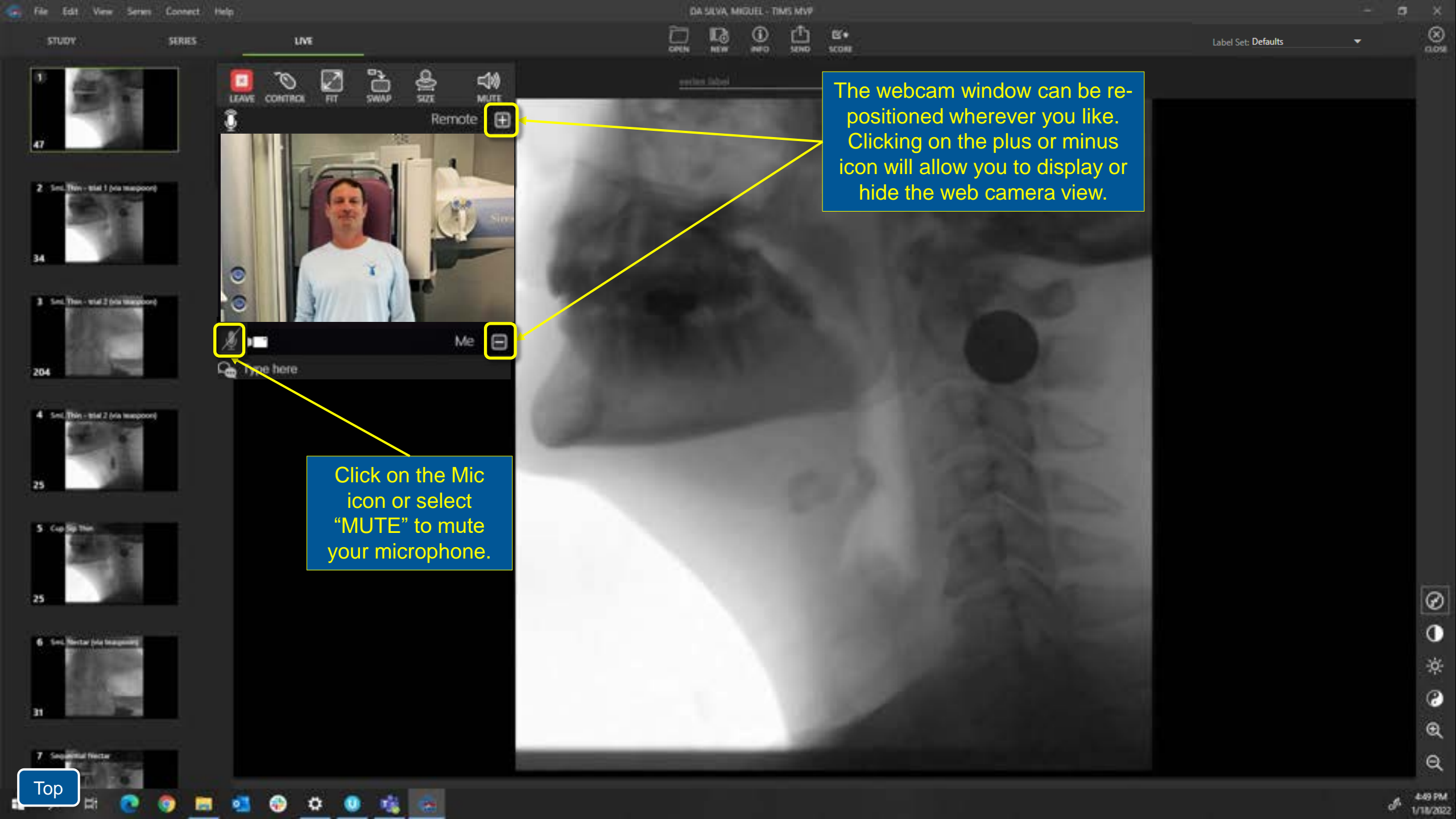
The remote user's TMS Review screen will be replaced with the TMS MVP screen from the procedure room. You'll see the live fluoro video, and optionally be able to control the "in-room" system, just as if you were there!

Top



When in the smallest window view selecting the three dots brings up the controls for fit, swap, size and to mute.

Top



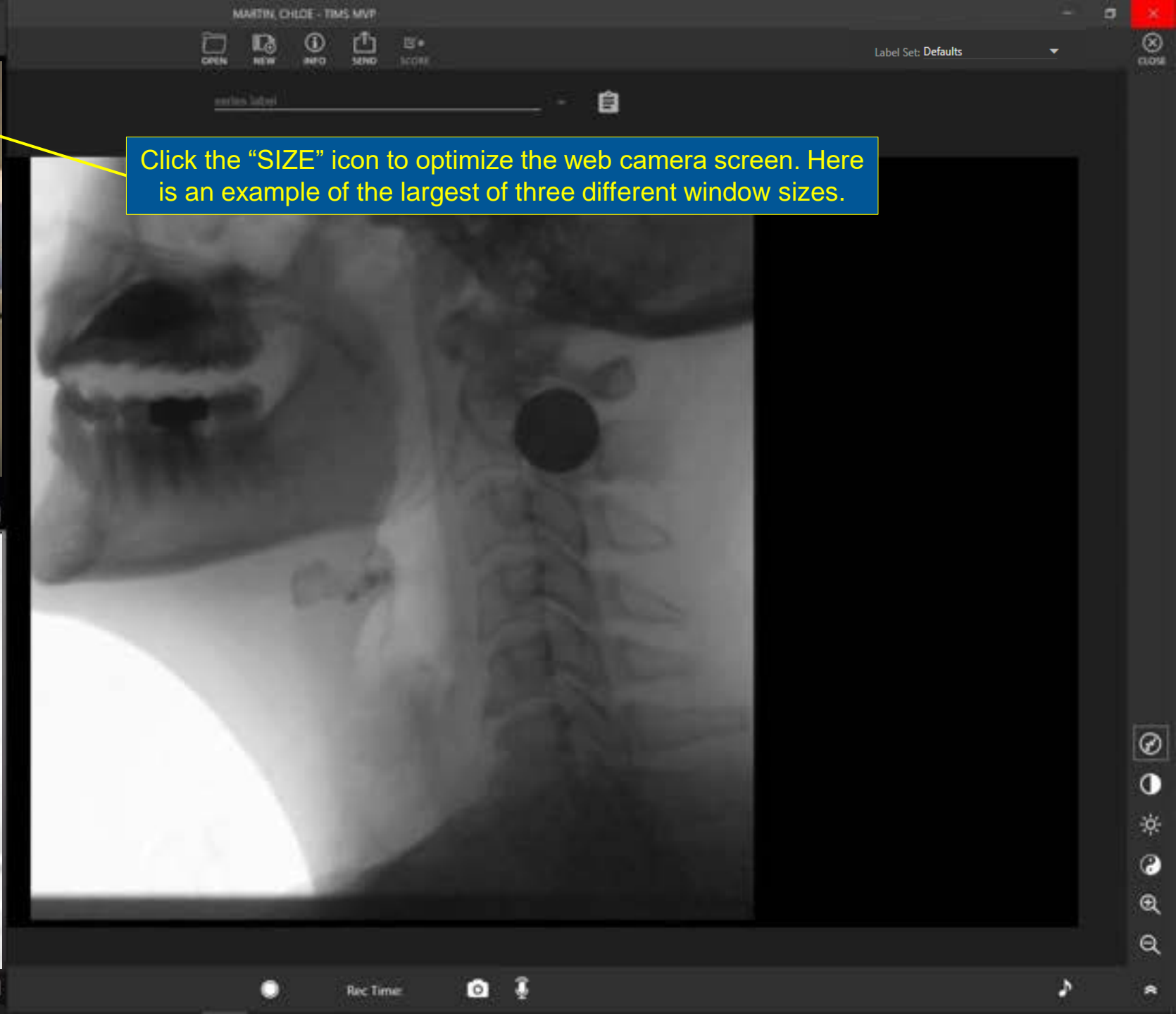
The webcam window can be repositioned wherever you like. Clicking on the plus or minus icon will allow you to display or hide the web camera view.

Click on the Mic icon or select "MUTE" to mute your microphone.

Top



Click the "SIZE" icon to optimize the web camera screen. Here is an example of the largest of three different window sizes.



STUDY

SERIES

LIVE



LEAVE CONTROL **FIT** SWAP SIZE MUTE



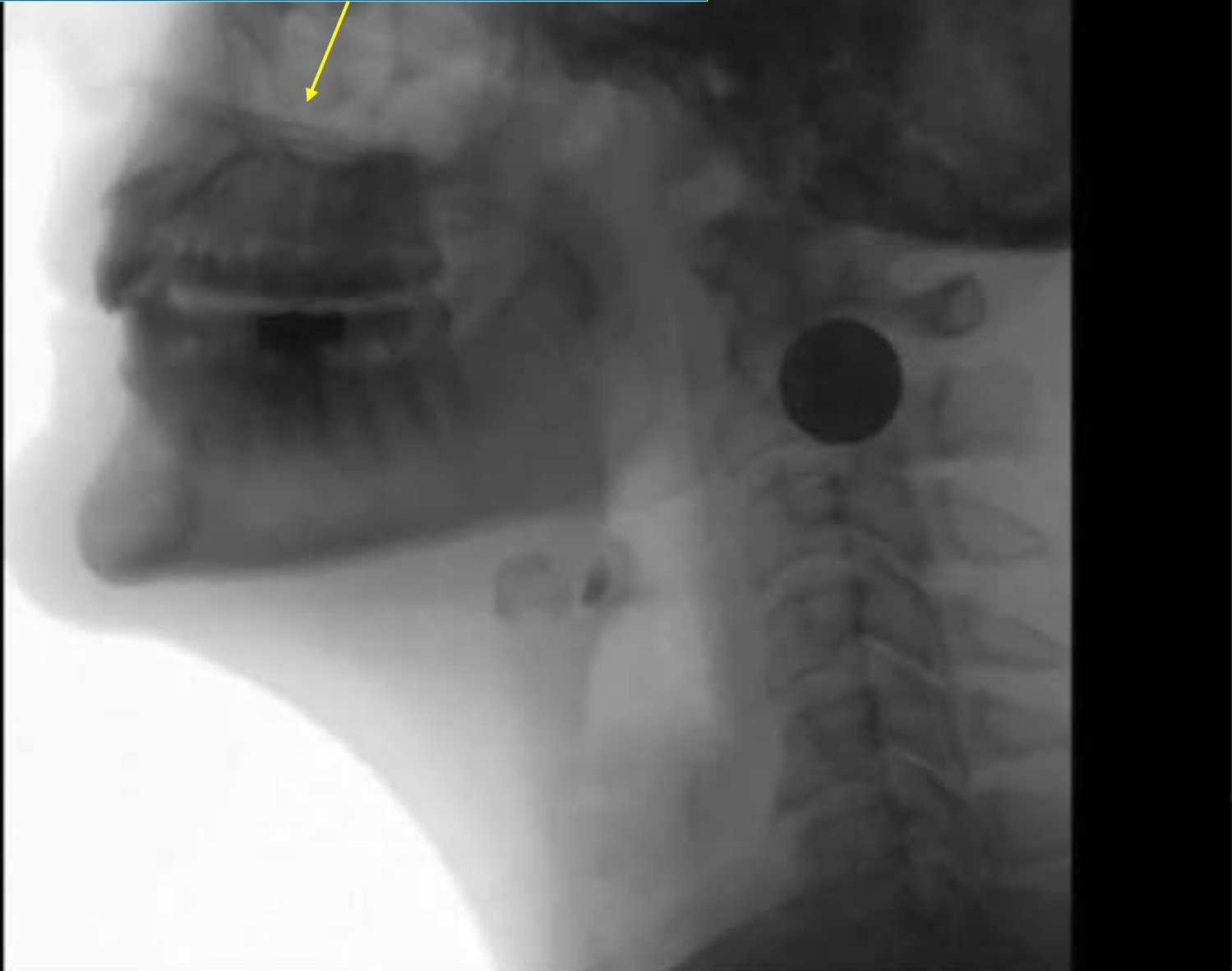
Remote



Me

Type here

Select "FIT" to optimize the size of the TIMS MVP screen display for a larger viewing window.



- 1 47
- 2 Sm. Thin - trial 1 (via teleport) 34
- 3 Sm. Thin - trial 2 (via teleport) 204
- 4 Sm. Thin - trial 2 (via teleport) 25
- 5 Cap. Sp. Thin 25
- 6 Sm. Rectar (via teleport) 31
- 7 Sequential Rectar

LEAVE CONTROL ACTUAL SWAP SIZE MUTE



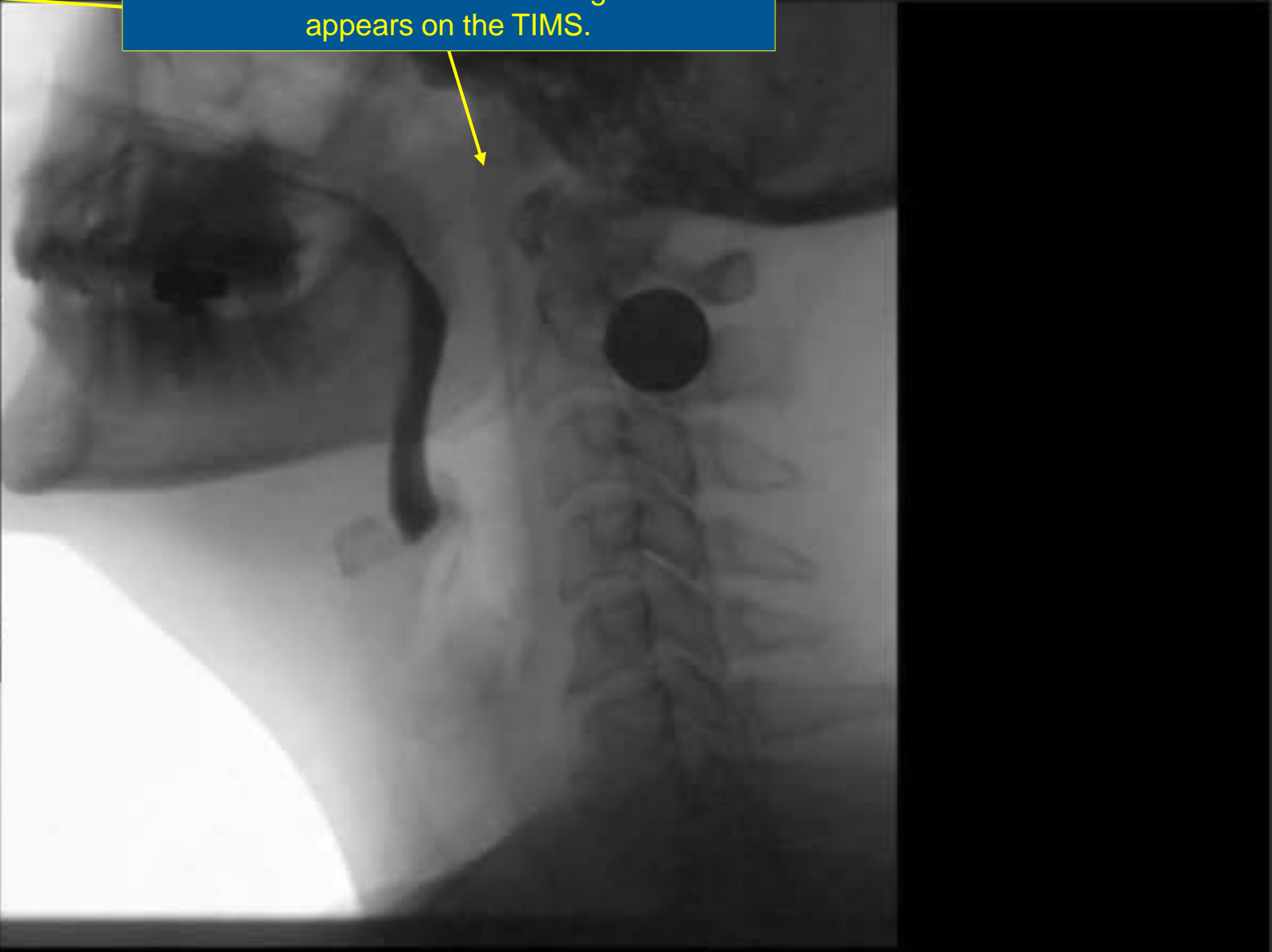
Remote



Me

Type here

Select "ACTUAL" to see the viewing frame as it appears on the TIMS.

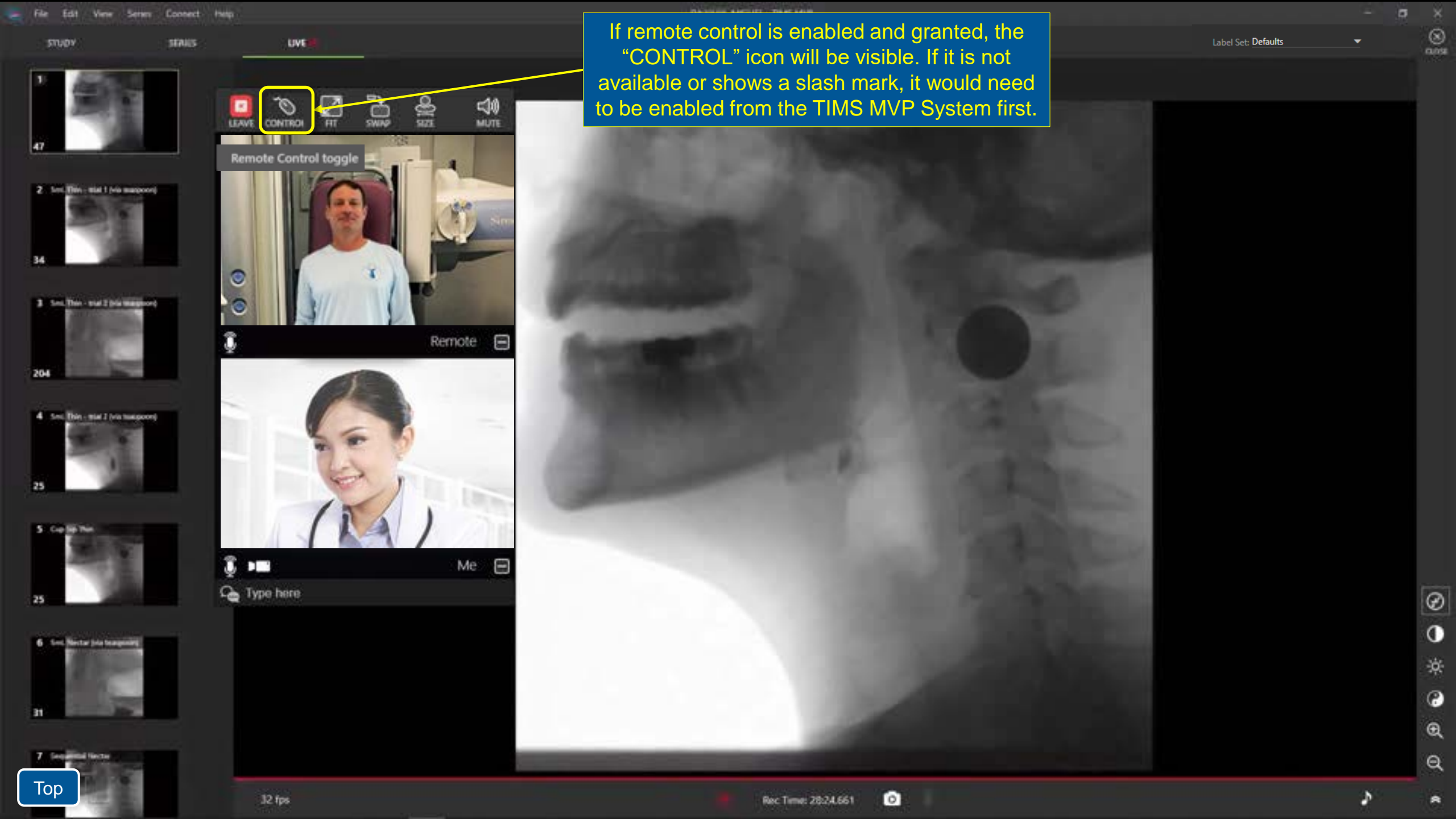


Top

Navigation icons: Home, Brightness, Contrast, Zoom, etc.



When you select "SWAP" the camera changes to show the In-room view in the larger window space. The TIMS MVP view is swapped to the smaller display window.



If remote control is enabled and granted, the "CONTROL" icon will be visible. If it is not available or shows a slash mark, it would need to be enabled from the TIMS MVP System first.

Top

- 1 47
- 2 Sm. Thin - trial 1 (via teapoor) 34
- 3 Sm. Thin - trial 2 (via teapoor) 204
- 4 Sm. Thin - trial 2 (via teapoor) 25
- 5 Cap. Sp. Thin 25
- 6 Sm. Nectar (via teapoor) 31
- 7 Sequential Nectar

LEAVE **CONTROL** SIZE

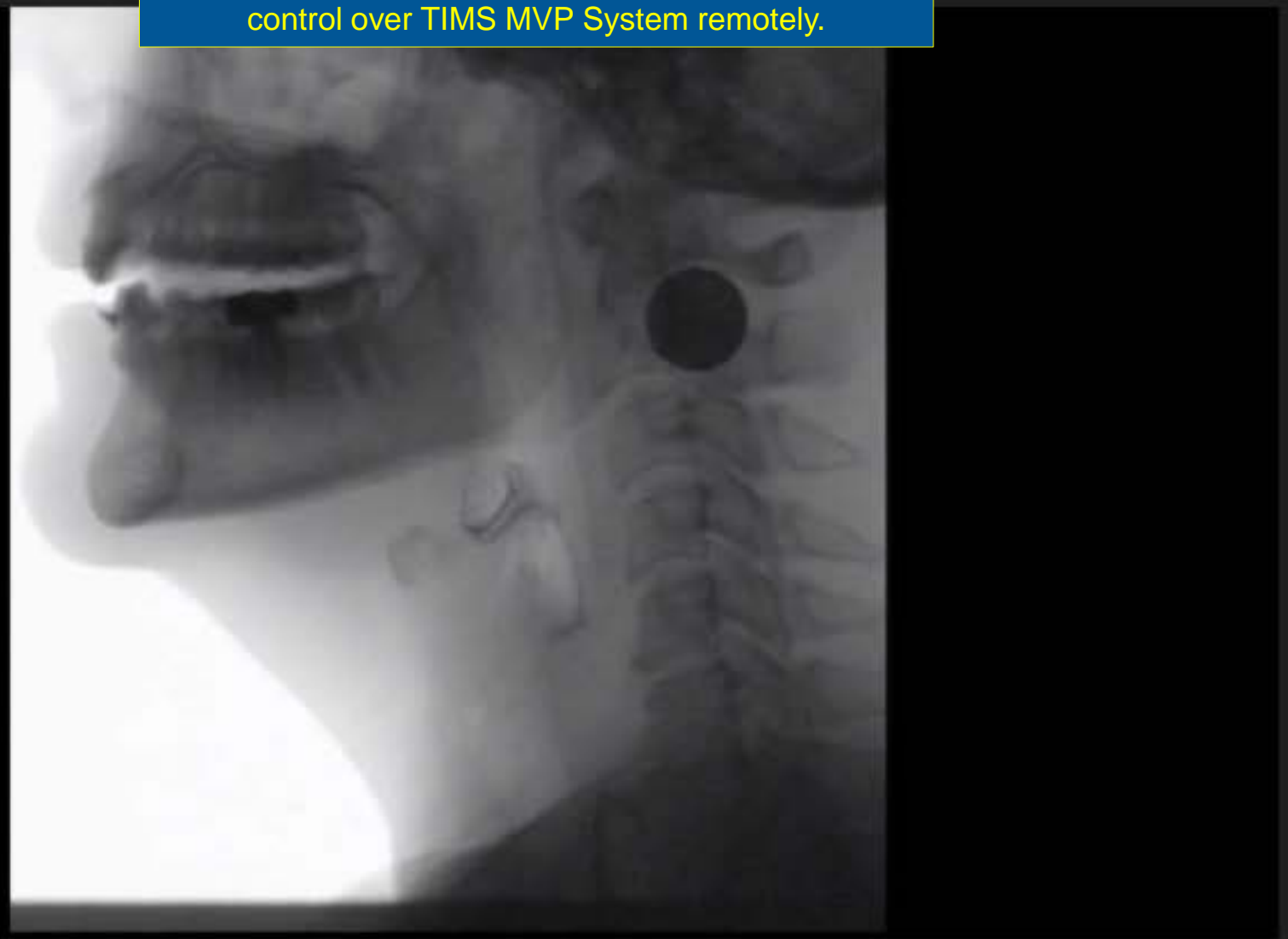
Remote Control toggle

Remote

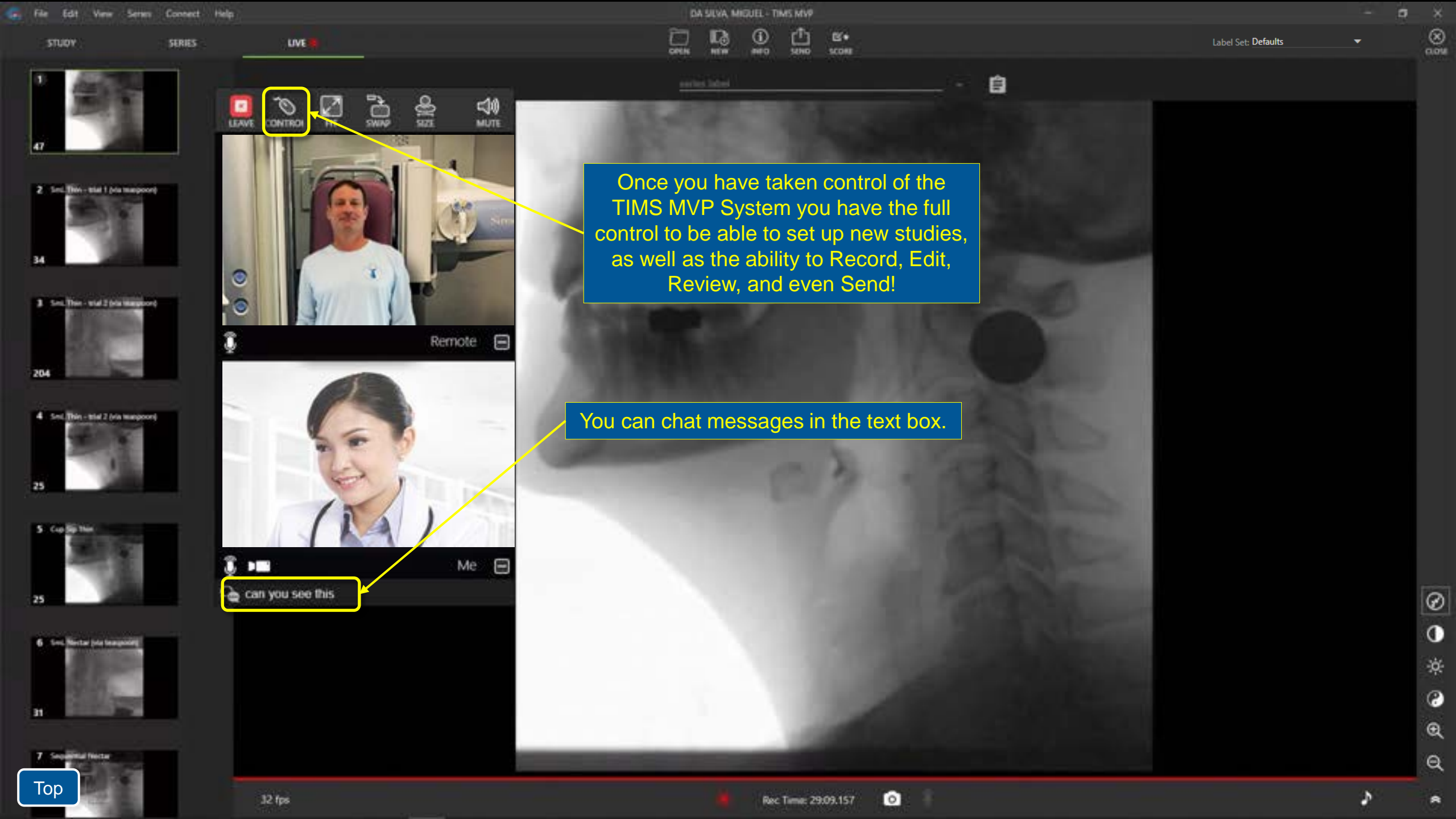
Me

Type here

From the TIMS MVP system, Click on the "CONTROL" icon with the slash mark to release control over TIMS MVP System remotely.



Top



LEAVE CONTROL SWAP SIZE MUTE

Once you have taken control of the TIMS MVP System you have the full control to be able to set up new studies, as well as the ability to Record, Edit, Review, and even Send!

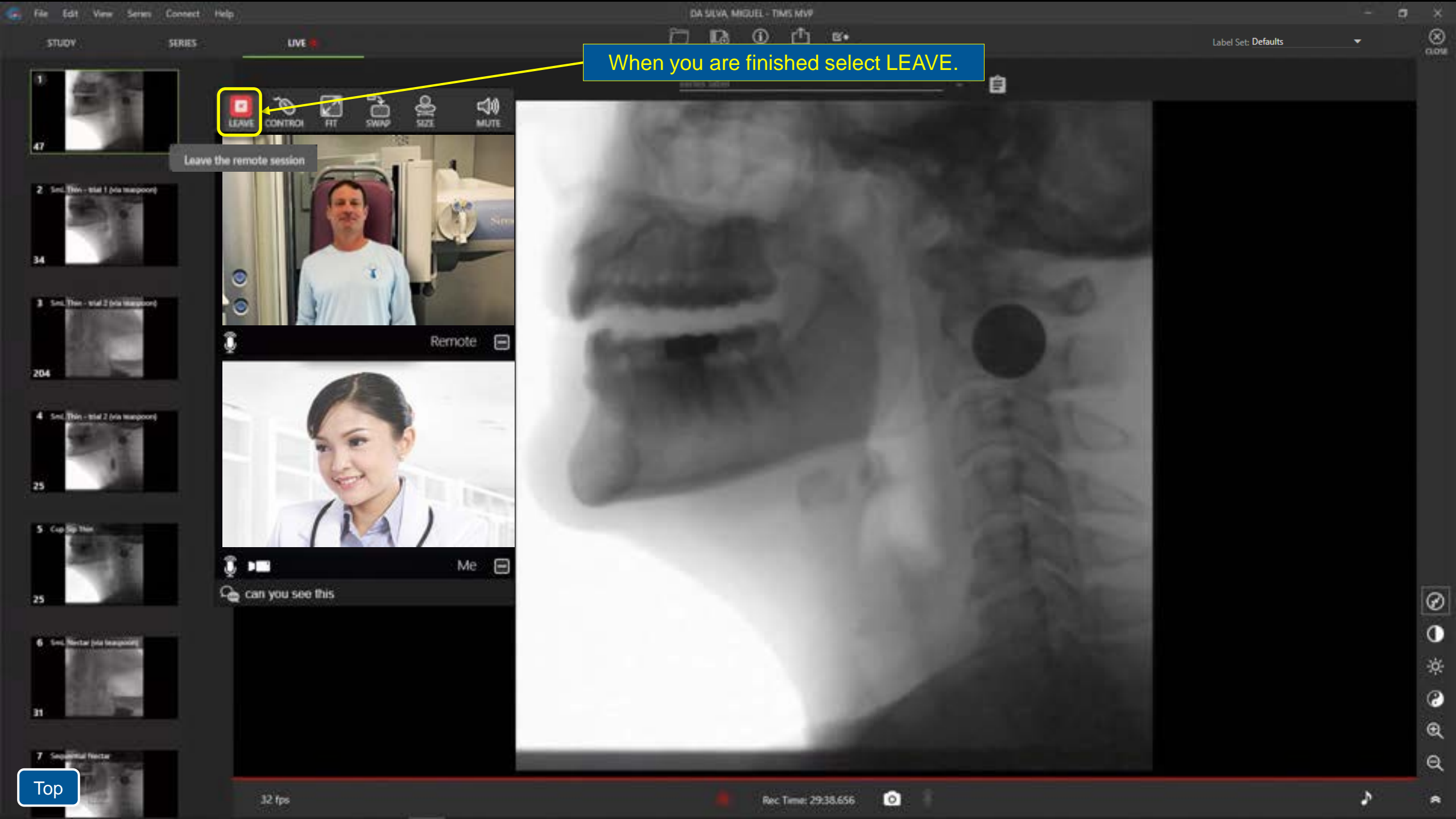
You can chat messages in the text box.

can you see this

Top

32 fps

Rec Time: 29:09.157



When you are finished select LEAVE.

Leave the remote session

Top

There is a Pop up to notify that the session has ended. Select "OK" to close.



Yikes!
The remote session has ended

OK

TIMS MVP Shortcut Keys - Sorted by Function

Shortcut	Action
Capture	
F12	Snap single image frame
SPACEBAR	Start/Stop record
Editing	
DELETE	Delete selected study or image
CTRL + ←	Move to first frame of series
CTRL + →	Move to last frame of series
I	Set trim start
I	Set trim end
CTRL + T	Split a series view into two views
CTRL + U	Combine series view with the next view
CTRL + D	Delete video or image snapshot
TAB / SHIFT + TAB	Next or previous label
Viewing	
CTRL + 1	View the Study tab
CTRL + 2	View the Series tab
CTRL + 3	View the Live tab
CTRL + +	Enlarge/Zoom in
CTRL + -	Shrink/Zoom out
SPACEBAR	Start/Stop play

Shortcut	Action
Operation	
CTRL + O	Open the Study Dashboard to open studies
SHIFT + I	Open the Study Info dialog
CTRL + N	Create a new blank study
CTRL + F4	Close study
CTRL + L	Loop video play mode
SHIFT + ←	Skip backward 10 frames
SHIFT + →	Skip forward 10 frames
CTRL + SPACEBAR	Toggle play direction
HOME	Move to start
END	Move to end
CTRL + ALT + C	Copies study info to clipboard
CTRL + C	Copy image to clipboard
CTRL + SHIFT + C	Copy image with Area of Interest
CTRL + F	Flag/Unflag a series to send
CTRL + I	Set timing point
CTRL + J	Clear timing point
ALT + F4	Quit TIMS MVP
Navigation	
↑ ↓	Move series to series
← →	Move frame to frame

TIMS Technical Support

Call: (978) 458-4624 x204 (Mon-Fri 8am-8pm EST)

Email: support@tims.com

TIMS Sales and Support Contract Renewal

Call: (978) 458-4624 x200

Email: sales@tims.com

FEES Workflow 1

This workflow is identical to recording MBS studies in a fluoro room.
The basic steps are:

- Select a patient from the Worklist.
- Record the FEES procedure.
- Send the study to PACS or TIMS Review.

Continue for specific step-by-step instructions...

Study Dashboard

NEW BLANK STUDY... filter list [calendar icon] CANCEL NEW...

STUDIES [folder icon] **WORKLIST** [edit icon] MEDIPLUS [dropdown arrow]

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
221109000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
221109000011	53311737	DEVI, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
221109000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
221109000019									
221109000031									AJUMA
221109000018									ULL FRACTU
221109000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
221109000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNNATHAN COR...	DIGESTIVE ISSL
221109000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
221109000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
221109000012	90363183	ROSSI, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
221109000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
221109000024	000069420	Seashells, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
221109000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
221109000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
221109000025	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
221109000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTSTETSEST
221109000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
221109000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
221109000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
221109000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
221109000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
221109000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

TIMS MVP should open directly to the Worklist tab in the Study Dashboard.
The Study Dashboard is the starting point for creating a new study.

Study Dashboard

NEW BLANK STUDY...

STUDIES MEDPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
2211090000008	85629185	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
2211090000020	98712356	DA SILVA, MIGUEL	5/20/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
2211090000011	53311737	DEVI, ARIYA	3/20/1999	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
2211090000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
2211090000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
2211090000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
2211090000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
2211090000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
2211090000021	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR	DR. JOHNATHAN COR...	DIGESTIVE ISSL
2211090000015	78344015	NGUYEN, HANG	10/17/1951	M	Abdomen	11/9/2022	CR	DR. RICHARD BERRY	ABDOMINAL B
2211090000014	82599416	PANADORN, JAMES	10/17/1951	M	Abdomen	11/9/2022	CR	DR. WENDY HOUTZ	SWALLOW STU
2211090000012	90363183	ROSSI, MARCO	10/17/1951	M	Abdomen	11/9/2022	CR	DR. HOWARD WARREN	SWALLOW STU
2211090000013	47489218	SATO, HANG	10/17/1951	M	Abdomen	11/9/2022	CR	DR. HOWARD WARREN	ROTATOR MOV
2211090000024	000069420	Seashells, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
2211090000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
2211090000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
2211090000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
2211090000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTTESTSEST
2211090000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
2211090000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
2211090000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
2211090000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
2211090000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
2211090000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

Select your patient from the worklist. Double click, press "Enter" on the keyboard, or click the "New..." button to proceed.

You can quickly search on any column using the "filter list" option.

filter list

CANCEL

NEW...

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
2211090000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
2211090000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
2211090000011	53311737	DEVI, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
2211090000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
2211090000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
2211090000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
2211090000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
2211090000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
2211090000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNNATHAN COR...	DIGESTIVE ISSL
2211090000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
2211090000014	82599416	PANADOPOULOS, NK...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
2211090000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
2211090000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
2211090000024	000069420	Seashells, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
2211090000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
2211090000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
2211090000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
2211090000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTTESTSEST
2211090000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
2211090000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
2211090000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
2211090000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
2211090000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
2211090000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

Study Dashboard

NEW BLANK STUDY... CANCEL NEW...



STUDIES **WORKLIST** MEDIPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221100000011	53311737	DEVI, ARNA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
221100000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221100000013	47489218	SMITH, THOMAS	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV

The filtering option is very powerful. You can search on virtually any column by typing just a few letters. Here the list has been narrowed by typing a few letters of the patient's first name.

Study Dashboard


NEW BLANK STUDY...   CANCEL NEW...

STUDIES  WORKLIST  MEDPLUS 

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221100000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU

The list has been further narrowed by adding a space then a few letters of the referring doctor's last name.

Study Dashboard

NEW BLANK STUDY... filter list  CANCEL NEW...

STUDIES **WORKLIST** MEDPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. GIAN PERONA	BASELINE
221109000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ELIZABETH ANDRE...	LIMITED MOVE
221109000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
221109000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
221109000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221109000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
221109000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSL
221109000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
221109000014	82599416	PAPADOPOULOS, NC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
221109000012	90363183	ROSSI, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
221109000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
221109000024	000069420	Seeshell, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
221109000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
221109000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
221109000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
221109000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTESTETSEST
221109000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
221109000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
221109000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
221109000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
221109000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOM
221109000033	82156339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

You may also refresh the worklist by clicking this icon.

Study Dashboard Study Info

NEW BLANK STUDY...

STUDIES WK

Channel
Fluoro Room 1

Accession Patient

Last MULLER First EMMA

Middle Suffix

Referring DR. PALMER TAYLOR

Performing Description SKULL FRACTURE

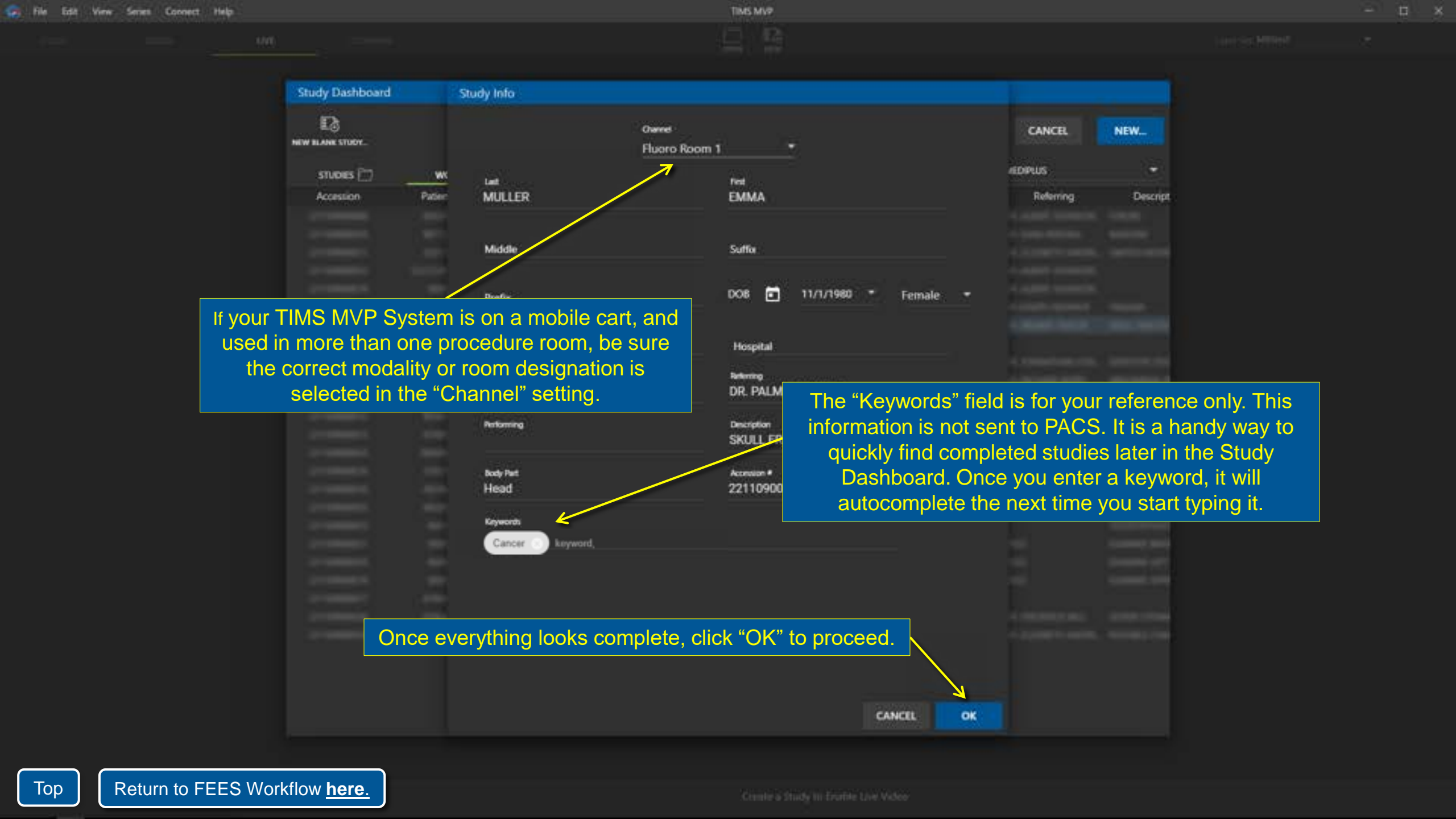
Body Part Head Accession # 221109000018

Keywords keyword

CANCEL NEW...

CANCEL OK

The "Study Info" screen provides you will the opportunity to confirm that all the study information is correct or make any necessary changes. These fields are all editable if required.



If your TIMS MVP System is on a mobile cart, and used in more than one procedure room, be sure the correct modality or room designation is selected in the "Channel" setting.

The "Keywords" field is for your reference only. This information is not sent to PACS. It is a handy way to quickly find completed studies later in the Study Dashboard. Once you enter a keyword, it will autocomplete the next time you start typing it.

Once everything looks complete, click "OK" to proceed.

FEES Workflow 2a

This is one of two workflows used when you do have a FEES worklist, but not at the point-of-care.

Some of our customers follow this routine:

- At the start of the day create a series of “empty” studies using the worklist, one for each scheduled patient, while the TIMS System is connected to the hospital network.
- As you are about to perform a FEES study, open the appropriate pre-saved study and record into it.
- Send the completed studies to PACS or TIMS Review when the TIMS System is re-connected to the hospital network.

Continue for specific step-by-step instructions...

Study Dashboard

NEW BLANK STUDY... filter list [calendar icon] CANCEL NEW...

STUDIES [folder icon] **WORKLIST [edit icon]** MEDIPLUS [dropdown arrow]

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
2211090000008	85639105	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
2211090000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
2211090000011	53311737	DEVI, ARIYA	3/20/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
2211090000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
2211090000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
2211090000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
2211090000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
2211090000018	36788524								
2211090000021	36788524							DR. JOHNATHAN COR...	DIGESTIVE ISSL
2211090000015	78344015	NIJHREN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
2211090000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
2211090000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
2211090000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
2211090000024	000069420	Seashells, Sally	4/20/1969	M	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
2211090000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
2211090000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
2211090000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
2211090000023	000100	test, test	4/20/2022	M	Knee	11/9/2022	NM		TESTSTETSEST
2211090000021	000096	TESTING, QC	6/28/2021	M	Head	11/9/2022	NM	JOED	EXAMINE BRAI
2211090000020	000098	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE LEFT
2211090000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
2211090000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
2211090000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
2211090000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

Select the Worklist tab from the Study Dashboard.

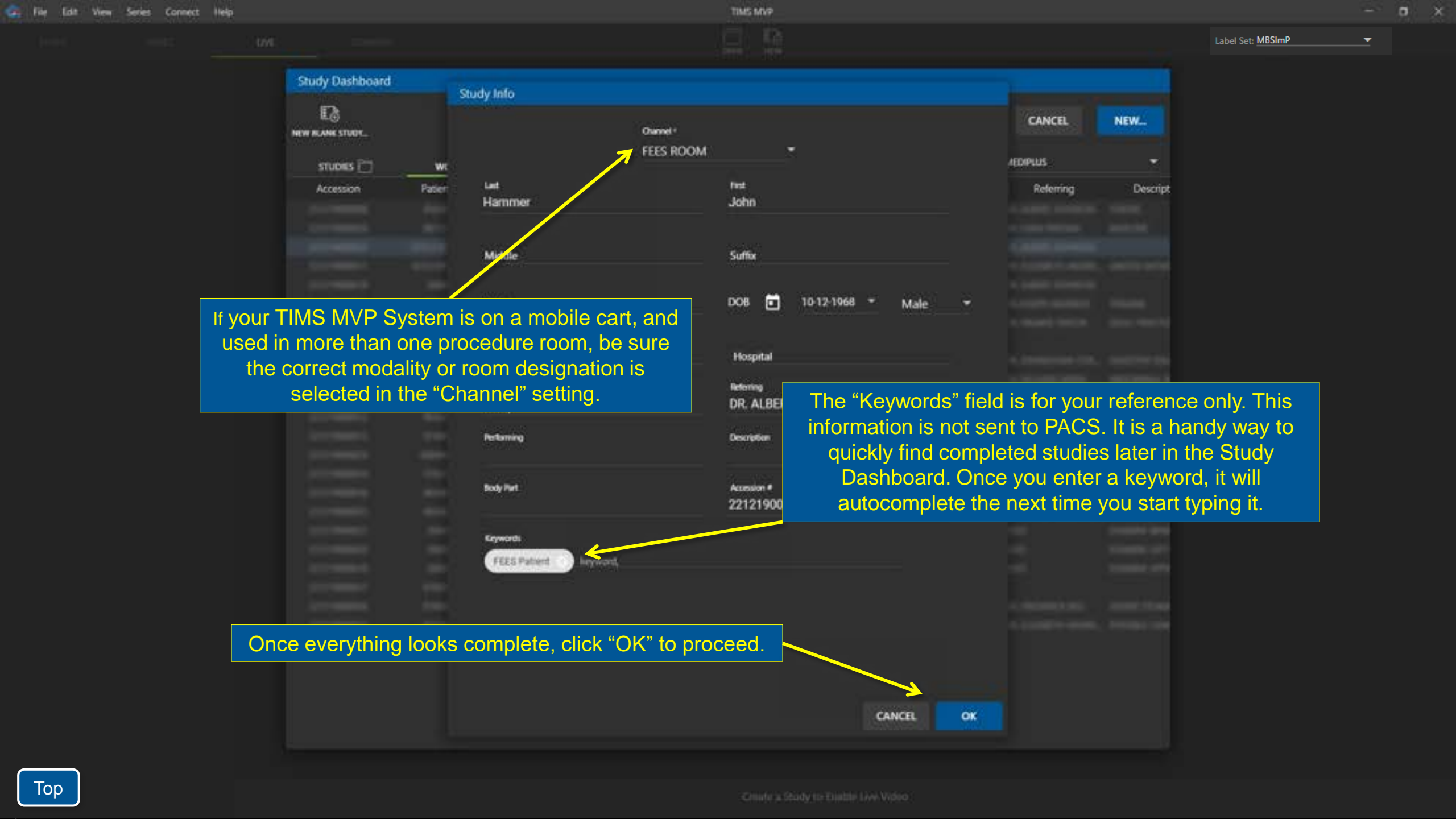
Study Dashboard

NEW BLANK STUDY...

STUDIES MEDIPLUS

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
221109000008	85628185	ANDERSON, JON	5/30/1975	M	Heart	11/9/2022	CR	DR. ALBERT JOHNSON	STROKE
221109000020	98712356	DA SILVA, MIGUEL	5/30/1961	M	Head	11/9/2022	DX	DR. EWAN PERONA	BASELINE
221109000011	53311737	DEVI, ARYA	3/23/1973	F	Clavicle	11/9/2022	RF	DR. ELIZABETH ANDRE...	LIMITED MOVE
221109000022	5231258148512	Hammer, John	10/12/1968	M	Elbow	11/9/2022	NM	DR. ALBERT JOHNSON	
221109000019	000092	JAMES, WHITE	4/7/1980	M	Abdomen	11/9/2022	CR	DR. ALBERT JOHNSON	
221109000031	57321947	MARTIN, CHLOE	10/14/1987	F	Abdomen	11/9/2022	CR	DR. JOSEPH MUNROE	TRAUMA
221109000018	83217822	MULLER, EMMA	11/1/1980	F	Head	11/9/2022	XA	DR. PALMER TAYLOR	SKULL FRACTU
221109000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	11/9/2022	CR		
221109000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	11/9/2022	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSL
221109000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	11/9/2022	CT	DR. RICHARD BERRY	ABDOMINAL B
221109000014	82599416	PANADOPOULOS, NIC...	1/10/1959	M	Head	11/9/2022	RF	DR. WENDY HOUTZ	SWALLOW STU
221109000012	90363183	ROSS, MARK	5/20/1954	M	Head	11/9/2022	RF	DR. HOWARD WARREN	SWALLOW STU
221109000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	11/9/2022	OT	DR. HOWARD WARREN	ROTATOR MOV
221109000024	000069420	Seathells, Sally	4/20/1969	F	Coccyx	11/9/2022	RF	Dr. RICHARD MIGNON	
221109000010	57831880	SILVA, BETH	8/22/1934	F	Hip	11/9/2022	RF	DR. FREDERICK BELL	REDUCED MOE
221109000016	49206293	SMITH, JOHN	5/9/1968	M	Head	11/9/2022	RF	DR. ALBERT JOHNSON	SWALLOW STU
221109000025	49206293	SMITH, JOHN	5/9/1968	M	Chest	11/9/2022	RF	DR. ALBERT JOHNSON	CHEST PAIN
221109000023	00								TESTSTETSEST
221109000021	00								EXAMINE BRAI
221109000020	00								EXAMINE LEFT
221109000019	000097	TESTING, QC	6/28/2021	M	Chest	11/9/2022	PT	JOED	EXAMINE UPPE
221109000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US		
221109000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	11/9/2022	US	DR. FREDERICK BELL	SEVERE STOMA
221109000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	11/9/2022	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN

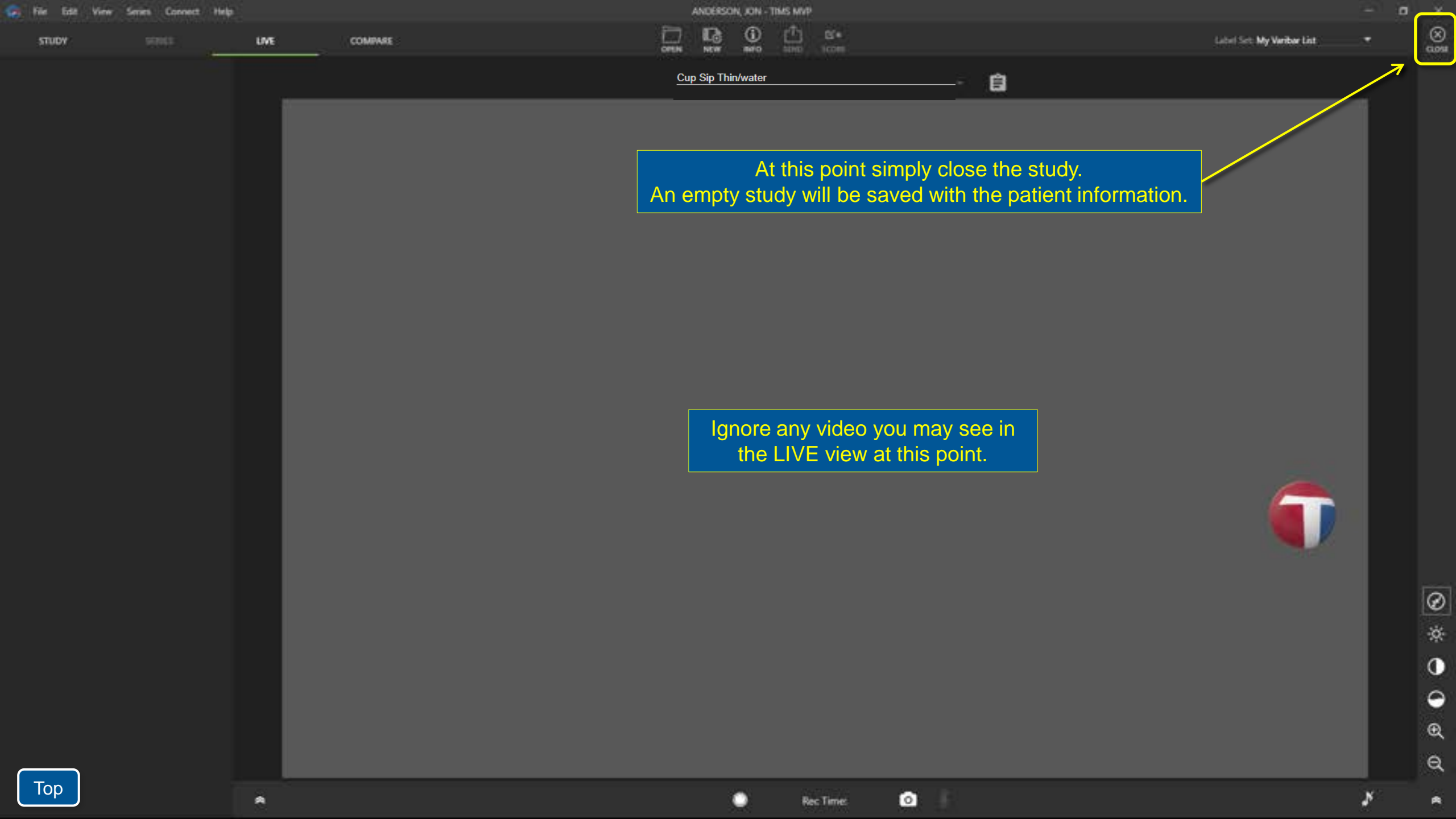
Select your patient from the worklist, then either "double click", press "Enter" on the keyboard, or click "OPEN..."



If your TIMS MVP System is on a mobile cart, and used in more than one procedure room, be sure the correct modality or room designation is selected in the “Channel” setting.

The “Keywords” field is for your reference only. This information is not sent to PACS. It is a handy way to quickly find completed studies later in the Study Dashboard. Once you enter a keyword, it will autocomplete the next time you start typing it.

Once everything looks complete, click “OK” to proceed.



At this point simply close the study.
An empty study will be saved with the patient information.

Ignore any video you may see in
the LIVE view at this point.

Top

Study Dashboard

NEW BLANK STUDY... SEND... filter list CANCEL OPEN

STUDIES WORKLIST

Patient ID	Last	First	DOB	Accession #	Series	Study Date	Size (MB)	Modality	Performing	Referring	Body Part	Description	Keywords
52312581...	Hammer	John	10/12/1968	23010600002	11	1/6/2023	1,540	ES	DR. ELIZA...	DR. ALBER...		FEES Study	
85639105	ANDERSON	JON	5/30/1975	23010600008	0	1/6/2023	0	ES		DR. ALBER...	Heart	STROKE	
99999999...	FEES test L	FEES test L	1/6/2023		0	1/6/2023	0	ES					
83217822	MULLER	EMMA	11/1/1980	23010600018	1	1/6/2023	1	RF		DR. SALEM	Head	SKULL FRACTURE	
52312581...	Hammer	John	10/12/1968	22122000011	5	12/22/2022	1,407	ES		DR. ELIZA...	Clavicle	LIMITED MOVEMENT	
52312581...	Hammer	John	10/12/1968	22122000022	5	12/22/2022	610	ES		DR. ALBER...	Elbow		
52312581...	Hammer	John	10/12/1968	22122000022	6	12/20/2022	396	ES		DR. ALBER...	Elbow		
52312581...	Hammer	John	10/12/1968	22121900002	1	12/18/2022	520	ES		DR. ALBER...			FEES Patient
78344015	NGUYEN	LIAM	7/12/1962	22121400015	19	12/14/2022	21	RF		DR. ROCHA...	Abdomen	ABDOMINAL PAIN	
82599416	PAPADO...	NICHOLAS	12/13/2022	8888888888888	2	12/13/2022	406	RF					
82599416	PAPADO...	NICHOLAS	12/13/2022	989886767676	9	12/13/2022	466	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PAPADO...	NICHOLAS	12/13/2022	989787676565454	22	12/9/2022	375	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PAPADO...	NICHOLAS	12/13/2022	226767676	4	12/6/2022	29	RF		DR. WEND...	Head	SWALLOW STUDY	
36788524	MURPHY	JANE	7/11/1979	221129000021	1	11/28/2022	393	ES	DR. ELIZA...	DR. JOHN...	Abdomen	DIGESTIVE ISSUES	FEES Patient
000009420	Seashells	Sally	4/20/1969	221129000024	6	11/28/2022	606	ES	DR. ELIZA...	Dr. RICH...	Coccyx	FEES Study	PEDS
52312581...	Hammer	John	10/12/1968	221129000011	5	11/28/2022	23	ES	DR. ELIZA...	DR. ELIZA...	Clavicle	FEES Study	FEES Patient
82356339	YILMAZ	EYMEN	9/14/1963	221129000033	1	11/28/2022	4	ES	DR. ELIZA...	DR. ELIZA...	Neck	POSSIBLE CANCER	PEDS
82599416	PAPADO...	NICHOLAS	12/13/2022	221128000014	23	11/28/2022	240	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer
82599416	PAPADO...	NICHOLAS	12/13/2022	221128000014	27	11/28/2022	276	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer

When you are ready to perform the study, select the Studies tab in the Study Dashboard and re-open the study you saved previously.

STUDY

SERIES

LIVE

COMPARE

OPEN NEW INFO SEND SCORE

Label Set: MBSImP

CLOSE

Cup Sip Thin/water



Top

Return to FEES Workflow [here.](#)

Navigation icons: stop, brightness, volume, zoom in, zoom out

FEES Workflow 2b

This is the second of two workflows used when you do have a FEES worklist, but not at the point-of-care.

Some of our customers follow this routine:

- Create a new study, right before performing it, using the minimum required information: patient name, patient ID, DOB.
- Record and then close the study. It will be saved to the Study List.
- Later, when the TIMS System is connected to the hospital network, easily update additional study info from the worklist for each study saved in this way.
- Send the updated studies to PACS or TIMS Review.

Continue for specific step-by-step instructions...

Study Dashboard Study Info

Channel: FEES ROOM

CANCEL NEW...

STUDIES [icon]

Accession Patient

NEW BLANK STUDY

WK

Last First

Middle Suffix

Prefix DOB [calendar icon] Male

Patient ID Hospital

Referring

Group

Referring Description

CANCEL OK

Use the "New Blank Study" option.

In order to start a recording, you must fill out the required fields: First Name, Last Name, Date Of Birth, and Patient ID.

Perform the study, then close it when complete. It will be saved automatically.

Study Dashboard

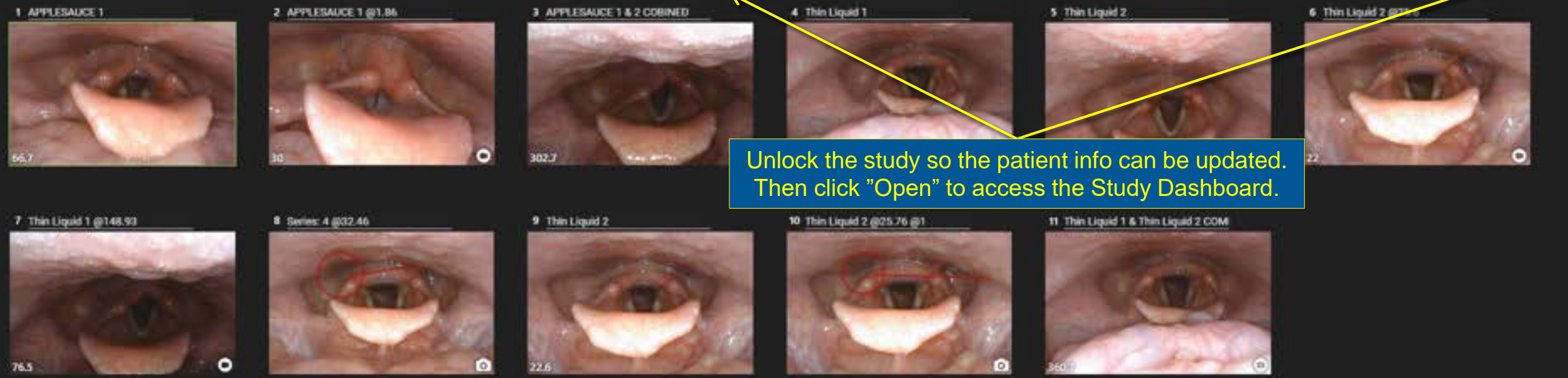
NEW BLANK STUDY... SEND... filter list CANCEL OPEN

Study Count: 23 | 721.19 GB free

STUDIES WORKLIST

Patient ID	Last	First	DOB	Accession #	Series	Study Date	Size (MB)	Modality	Performing	Referring	Body Part	Description	Keywords
52312581...	Hammer	John	10/12/1968	23010600002	11	1/6/2023	1,540	ES	DR. ELIZA...	DR. ALBER...		FEES Study	
85639105	ANDERSON	JON	5/30/1975	230106000008	0	1/6/2023	0	ES		DR. ALBER...	Heart	STROKE	
99999999...	FEES test L	FEES test L	1/6/2023		0	1/6/2023	0	ES					
83217822	MULLER	EMMA	11/1/1980	230104000018	1	1/4/2023	1	RF		DR. PALM...	Head	SKULL FRACTURE	
83217822	MULLER	EMMA	11/1/1980	230104000018	1	1/3/2023	65	RF		DR. PALM...	Head	SKULL FRACTURE	
85639105	ANDERSON	JON	5/30/1975	230103000006	0	1/3/2023	0	ES		DR. ALBER...	Heart	STROKE	
52312581...	Hammer	John	10/12/1968	221222000011	5	12/22/2022	1,407	ES		DR. ELIZA...	Clavicle	LIMITED MOVEMENT	
52312581...	Hammer	John	10/12/1968	221222000022	5	12/22/2022	610	ES		DR. ALBER...	Elbow		
52312581...	Hammer	John	10/12/1968	221222000023	8	12/22/2022	396	ES		DR. ALBER...	Elbow		
52312581...	Hammer	John	10/12/1968	221222000024	8	12/22/2022	396	ES		DR. ALBER...	Elbow		FEES Patient
78344015	NG											DOMINAL PAIN	
82599416	PAPADOPO	NICHOLAS	12/13/2022	8888888888888888	2	12/13/2022	406	RF					
82599416	PAPADOPO	NICHOLAS	12/13/2022	989886767676	9	12/13/2022	466	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PAPADOPO	NICHOLAS	12/13/2022	989787676565454	23	12/9/2022	375	RF		DR. WEND...	Head	SWALLOW STUDY	
82599416	PAPADOPO	NICHOLAS	12/13/2022	226767676	4	12/6/2022	29	RF		DR. WEND...	Head	SWALLOW STUDY	
36788524	MURPHY	JANE	7/11/1979	221129000021	1	11/28/2022	393	ES	DR. ELIZA...	DR. JOHN...	Abdomen	DIGESTIVE ISSUES	FEES Patient
000009420	Seashells	Sally	4/20/1969	221129000024	6	11/28/2022	606	ES	DR. ELIZA...	Dr. RICH...	Coccyx	FEES Study	PEDS
52312581...	Hammer	John	10/12/1968	221129000011	5	11/28/2022	23	ES	DR. ELIZA...	DR. ELIZA...	Clavicle	FEES Study	FEES Patient
82356339	YILMAZ	EYMEN	9/14/1963	221129000033	1	11/28/2022	4	ES	DR. ELIZA...	DR. ELIZA...	Neck	POSSIBLE CANCER	PEDS
82599416	PAPADOPO	NICHOLAS	12/13/2022	221128000014	23	11/28/2022	240	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer
82599416	PAPADOPO	NICHOLAS	12/13/2022	221128000014	27	11/28/2022	276	RF	DR. JOSEP...	DR. WEND...	Abdomen	SWALLOW STUDY	Cancer

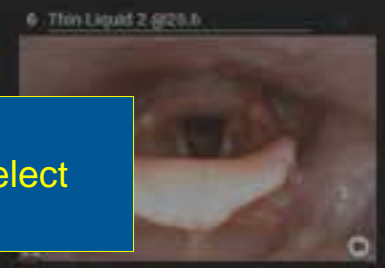
When you have access to the hospital network, find the patient you want to update from the Worklist and open the study.



Unlock the study so the patient info can be updated. Then click "Open" to access the Study Dashboard.



2 APPLESAUCE 1 @148.93 3 APPLESAUCE 1 & 2 COMBINED 4 Thin Liquid 1 5 Thin Liquid 2



Study Dashboard

NEW BLANK STUDY... filter list

STUDIES WORKLIST

Select the Worklist tab, then right click on the correct patient and select "Update Study info Based On".

Accession	Patient ID	Name	DOB	G	Body					
230116000006	85639105	ANDERSON, JON	5/30/1975	M	Heart	1/16/2023	CR	DR. ALBERT JOHNSON	STROKE	
230116000020	96712356	DA SILVA, MIGUEL	5/30/1961	M	Head	1/16/2023	DK	DR. EVAN PERONA	BASELINE	
230116000022	5231258148512	H...		**	Elbow	1/16/2023	NM	DR. ALBERT JOHNSON		
230116000011	5231258148512	H...			Clavicle	1/16/2023	ES	DR. ELIZABETH ANDRE...	LIMITED MOVE	
230116000019	000092	JAMES, WHITE	4/7/1988	M	Abdomen	1/16/2023	CR	DR. ALBERT JOHNSON		
230116000031	57321947	MARTIN, CHLOE	10/14/1973	F	Abdomen	1/16/2023	CR	DR. JOSEPH MUNROE	TRAUMA	
230116000018	85217822	MULLER, EMMA	11/1/1980	F	Head	1/16/2023	XA	DR. PALMER TAYLOR	SKULL FRACTU	
230116000018	36788524	MURPHY, JANE	7/11/1979	F	Elbow	1/16/2023	CR			
230116000021	36788524	MURPHY, JANE	7/11/1979	F	Abdomen	1/16/2023	ES	DR. JOHNATHAN COR...	DIGESTIVE ISSI	
230116000015	78344015	NGUYEN, LIAM	7/12/1962	M	Abdomen	1/16/2023	CT	DR. RICHARD BERRY	ABDOMINAL R	
230116000014	82599416	PAPADOPOULOS, NK...	1/16/1959	M	Head	1/16/2023	RF	DR. WENDY HOUTZ	SWALLOW STU	
230116000012	90363183	ROSSI, MARK	5/20/1954	M	Head	1/16/2023	RF	DR. HOWARD WARREN	SWALLOW STU	
230116000013	47489218	SATO, HARU	10/17/1957	M	Shoulder	1/16/2023	OT	DR. HOWARD WARREN	ROTATOR MOV	
230116000024	000069420	Seedella, Sally	4/20/1969	F	Coccyx	1/16/2023	RF	Dr. RICHARD MIGNON		
230116000010	57831880	SILVA, BETH	8/22/1934	F	Hip	1/16/2023	RF	DR. FREDERICK BELL	REDUCED MOE	
230116000016	49206293	SMITH, JOHN	5/9/1968	M	Head	1/16/2023	RF	DR. ALBERT JOHNSON	SWALLOW STU	
230116000035	49206293	SMITH, JOHN	5/9/1968	M	Chest	1/16/2023	RF	DR. ALBERT JOHNSON	CHEST PAIN	
230116000021	000096	TESTING, QC	6/28/2021	M	Head	1/16/2023	ES	JOED	EXAMINE BRAI	
230116000020	000096	TESTING, QC	6/28/2021	M	Chest	1/16/2023	PT	JOED	EXAMINE LEFT	
230116000019	000097	TESTING, QC	6/28/2021	M	Chest	1/16/2023	PT	JOED	EXAMINE UPPE	
230116000017	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	1/16/2023	US			
230116000036	07864563	WHITE, ROBERT	9/13/1972	M	Abdomen	1/16/2023	US	DR. FREDERICK BELL	SEVERE STOM	
230116000033	82356339	YILMAZ, EYMEN	9/14/1963	M	Neck	1/16/2023	ES	DR. ELIZABETH ANDRE...	POSSIBLE CAN	



FEES Workflow 3

This workflow is used when the hospital does not provide a FEES worklist.
The basic steps are:

- Create a “New Blank Study”.
- Manually enter all the patient data.
- Record the study.
- Send it to PACS or TIMS Review.

Continue for specific step-by-step instructions...

Study Dashboard

NEW BLANK STUDY...

STUDIES

Accession Patient

Study Info

Channel *
FEES ROOM

Channel *
AEDIPLUS

Last
Hammer

First
John

Middle

Suffix

DOB 10-12-1968 Male

Hospital

Referring
DR. ALBERT JOHNSON

Description

Body Part

Accession #
221219000022

Keywords
FEES Patient keyword

CANCEL NEW...

CANCEL OK

If your hospital does not have a Worklist for FEES you can use the "New Blank Study" option.

The screenshot shows the 'Study Info' dialog box in the TMS MVP software. The 'Channel' dropdown menu is set to 'FEES ROOM'. The 'Keywords' field contains the text 'FEES Patient'. The 'OK' button at the bottom right is highlighted in blue, indicating it is the next step in the process.

If your TMS MVP System is on a mobile cart, and used in more than one procedure room, be sure the correct modality or room designation is selected in the "Channel" setting.

The "Keywords" field is for your reference only. This information is not sent to PACS. It is a handy way to quickly find completed studies later in the Study Dashboard. Once you enter a keyword, it will autocomplete the next time you start typing it.

Once everything looks complete, click "OK" to proceed.

TIMS MVP TRAINING

for

Endoscopic Procedures



Covered topics:

- Starting a study and querying the patient information
- Capturing individual still shots, or single frame images
- Capturing live motion video
- Editing tools (*graphic annotations & trimming*)
- Adding labels
- Send studies to PACS
- Study Start with No Worklist





TIMS[®]

MEDICAL



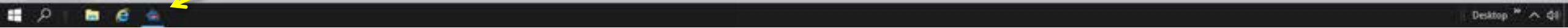
To launch the TIMS MVP application:

- Double click the icon on the desktop or
- Single click the icon on the task bar

 **TIMS Medical Video Platform[®] | Record • Edit • Archive • Collaborate**



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
Top



Desktop ^ ☰

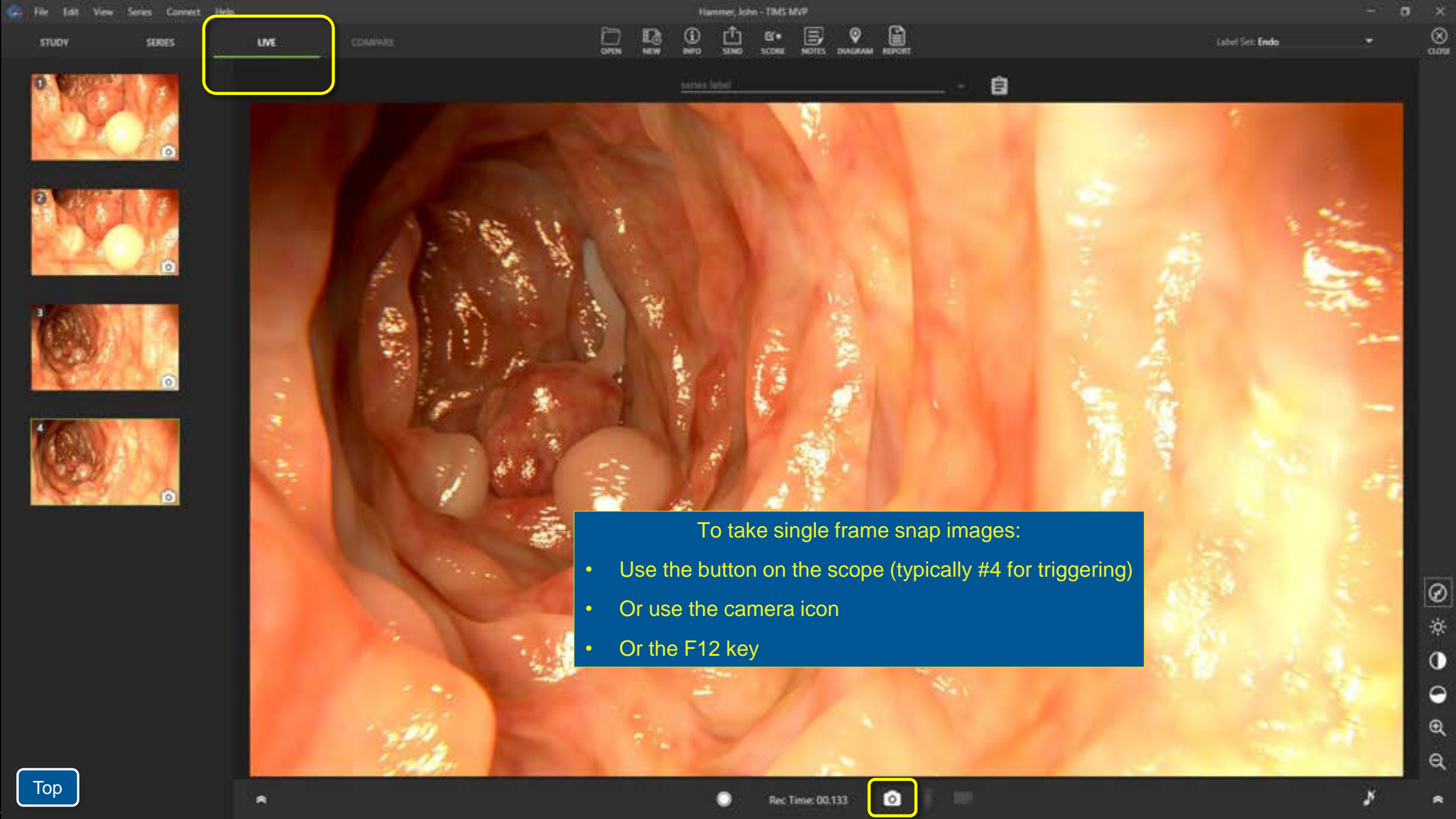
Study Dashboard

NEW BLANK STUDY...   CANCEL NEW...

STUDIES  WORKLIST  TIMS_MVP_TEST

Accession	Patient ID	Name	DOB	G	Body Part	Date	Modality	Referring	Descript
230306000026	703257	Meyers, Tom	2/14/2000	M	Throat	7/31/2023	ES	DR. RICHARD MIGNON	FEES
230306000021	075110	Omeal, Alexis	6/28/2021	F	Colon	7/31/2023	ES	DR. ALBERT JOHNSON	Colonoscopy
230306000024	861616	Sheffers, Rebecca	4/28/1972	F	Stomach	7/31/2023	ES	DR. RICHARD MIGNON	Upper GI

To start a study, find your patient and simply double click or select the patient with your mouse and click the NEW button.



LIVE

series label

Label Set: Endo

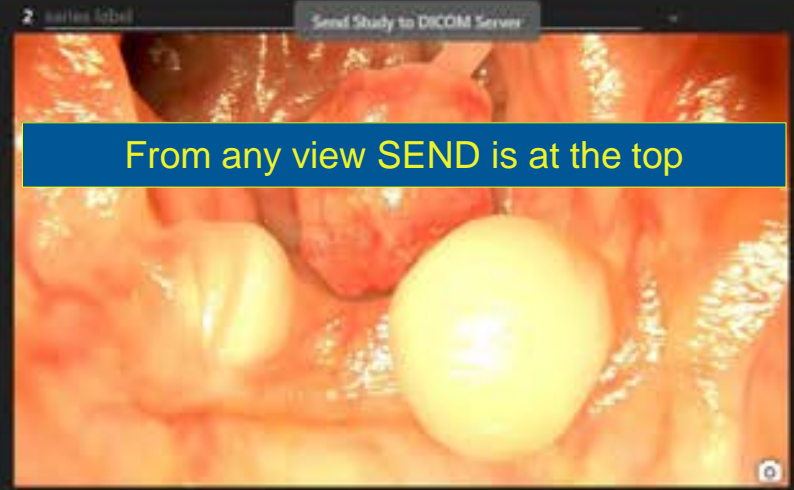
To take single frame snap images:

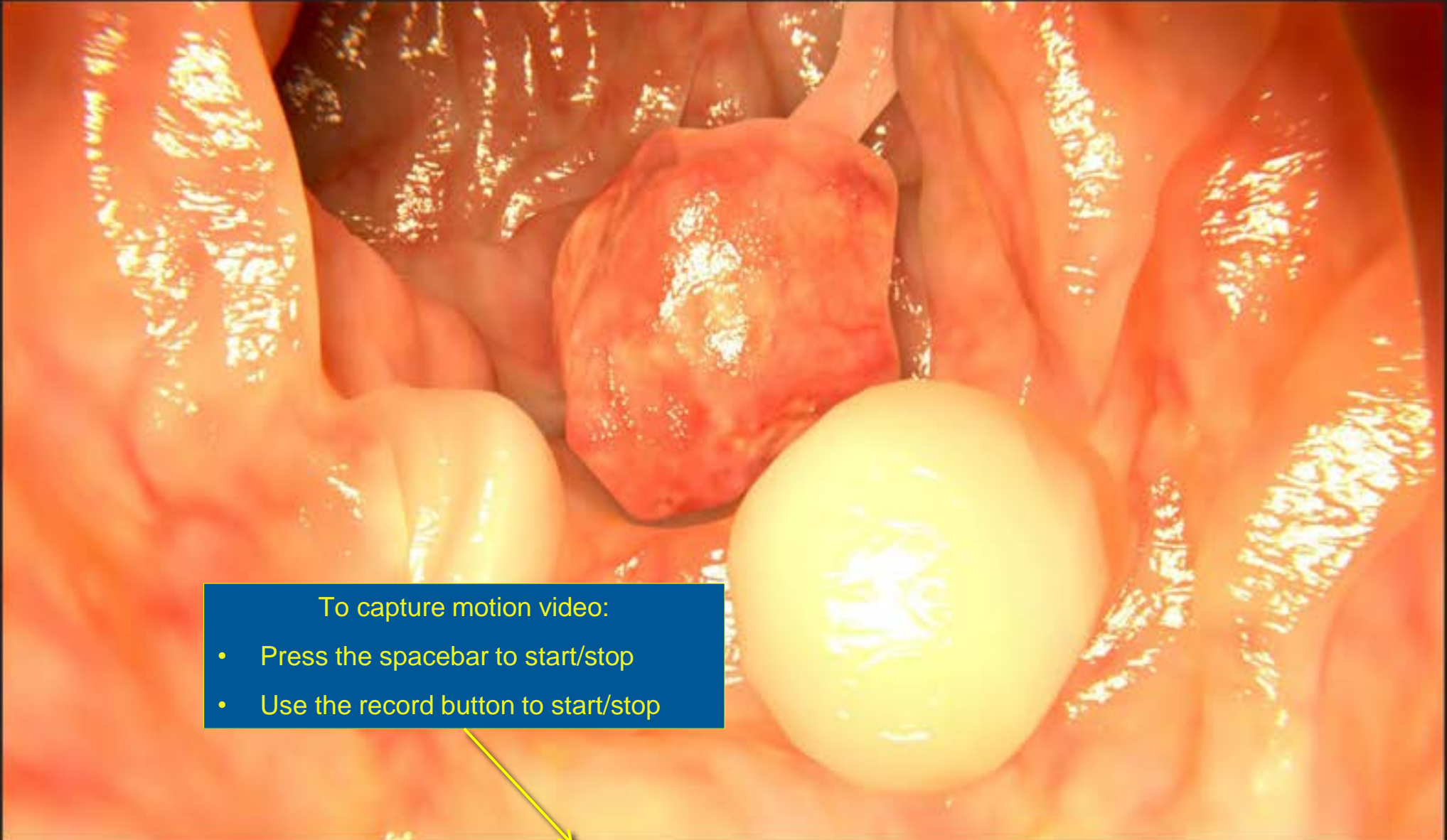
- Use the button on the scope (typically #4 for triggering)
- Or use the camera icon
- Or the F12 key

Top

Rec Time: 00.133







To capture motion video:

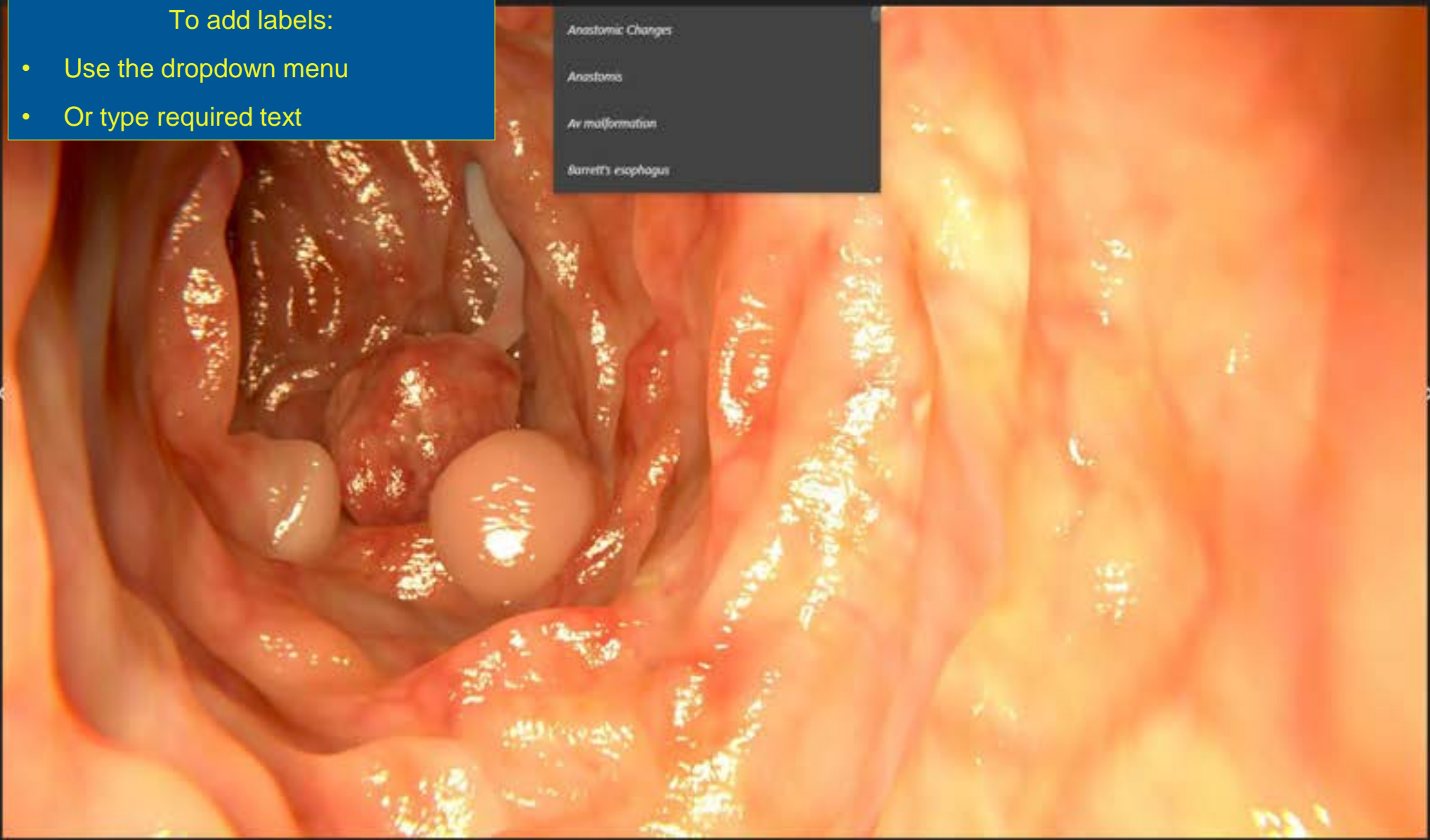
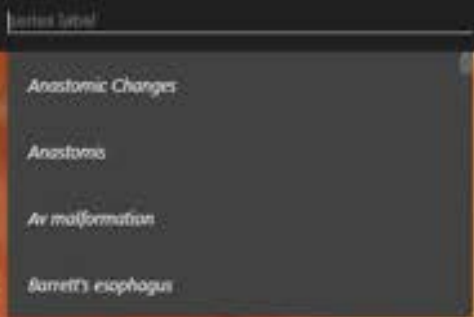
- Press the spacebar to start/stop
- Use the record button to start/stop

Top



To add labels:

- Use the dropdown menu
- Or type required text



1 Anatomic Changes



2 Anatomic



3 Anastomosis



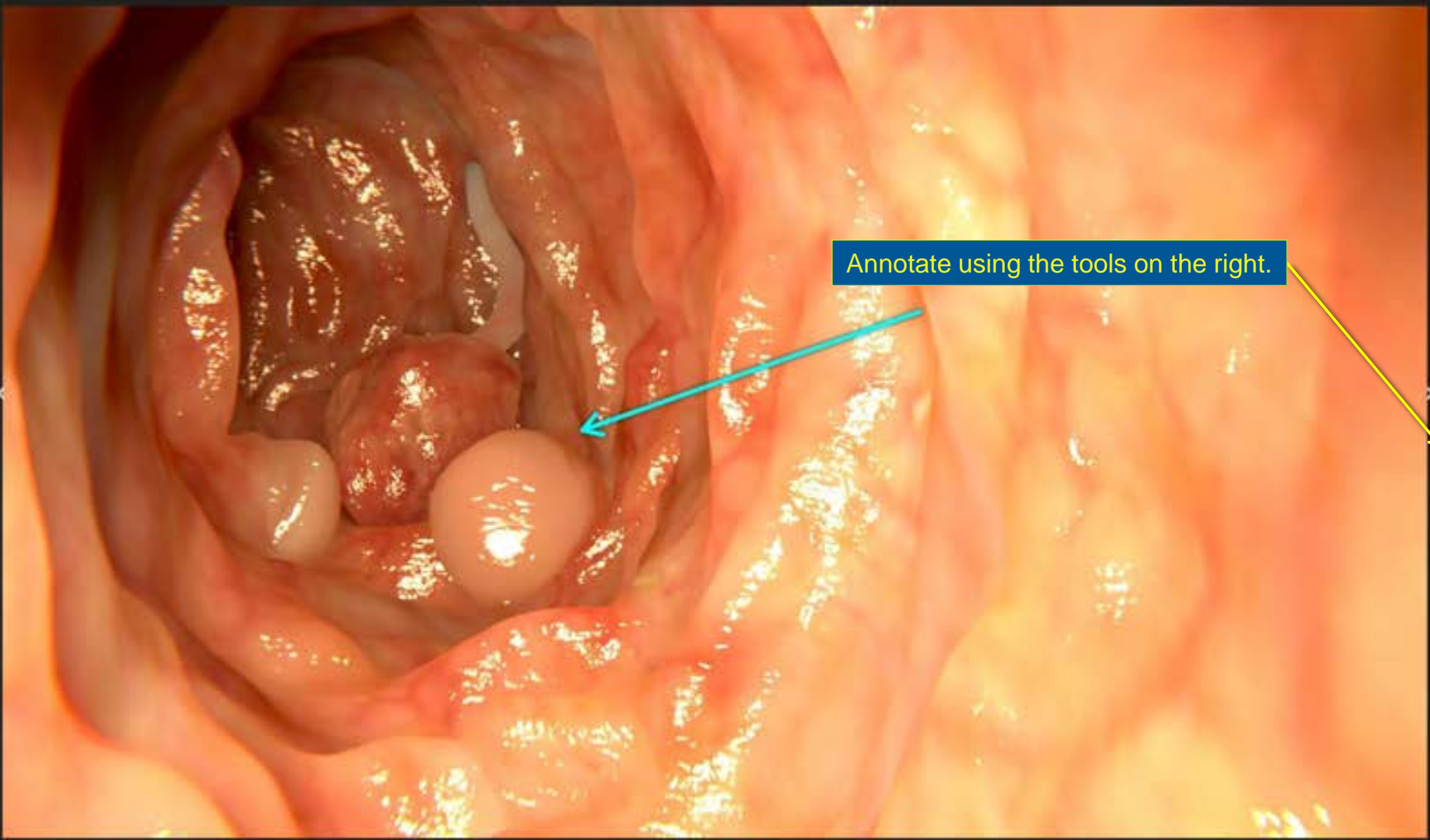
4 Anastomosis



5 Anatomic

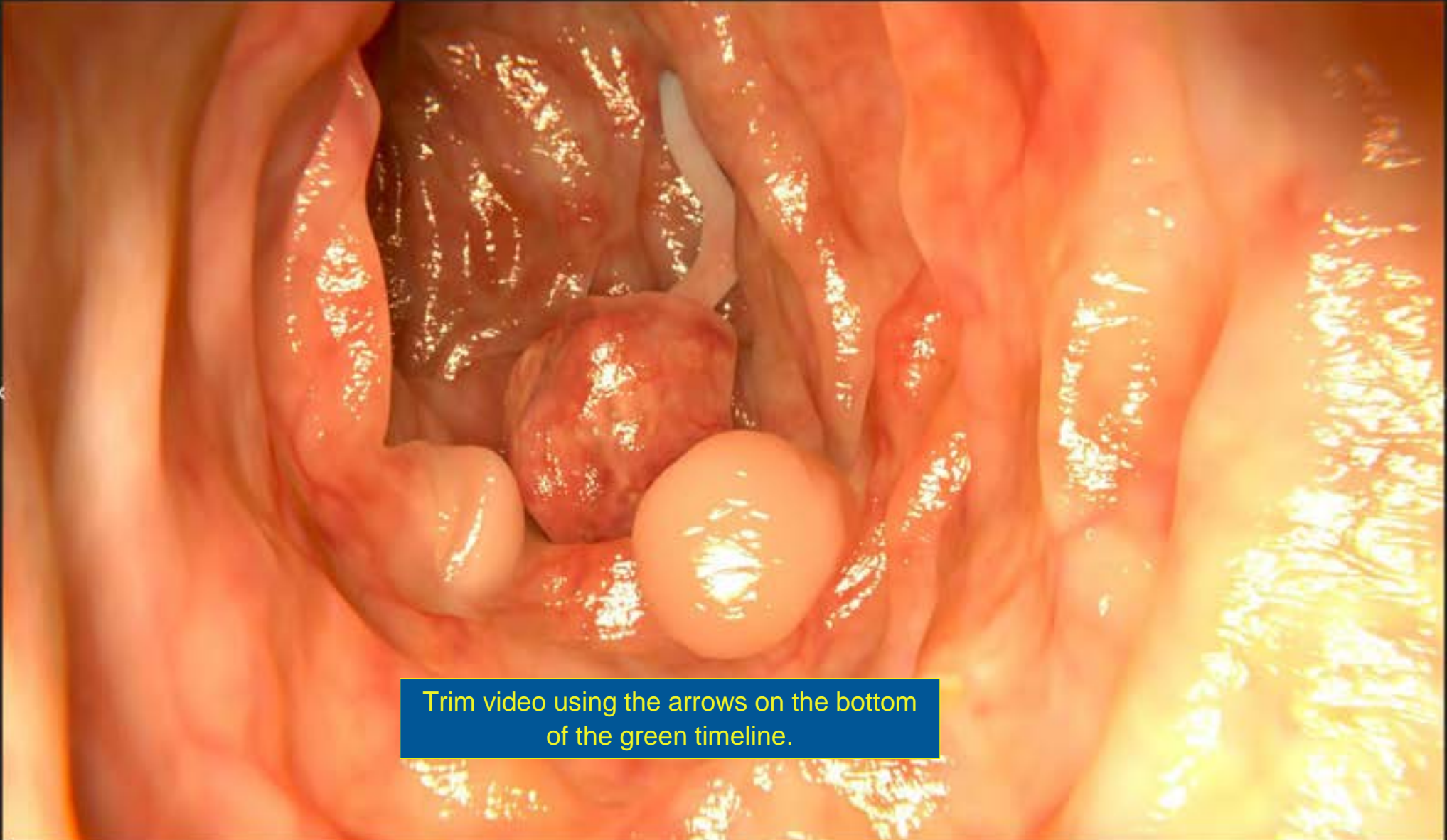


6 Anatomic



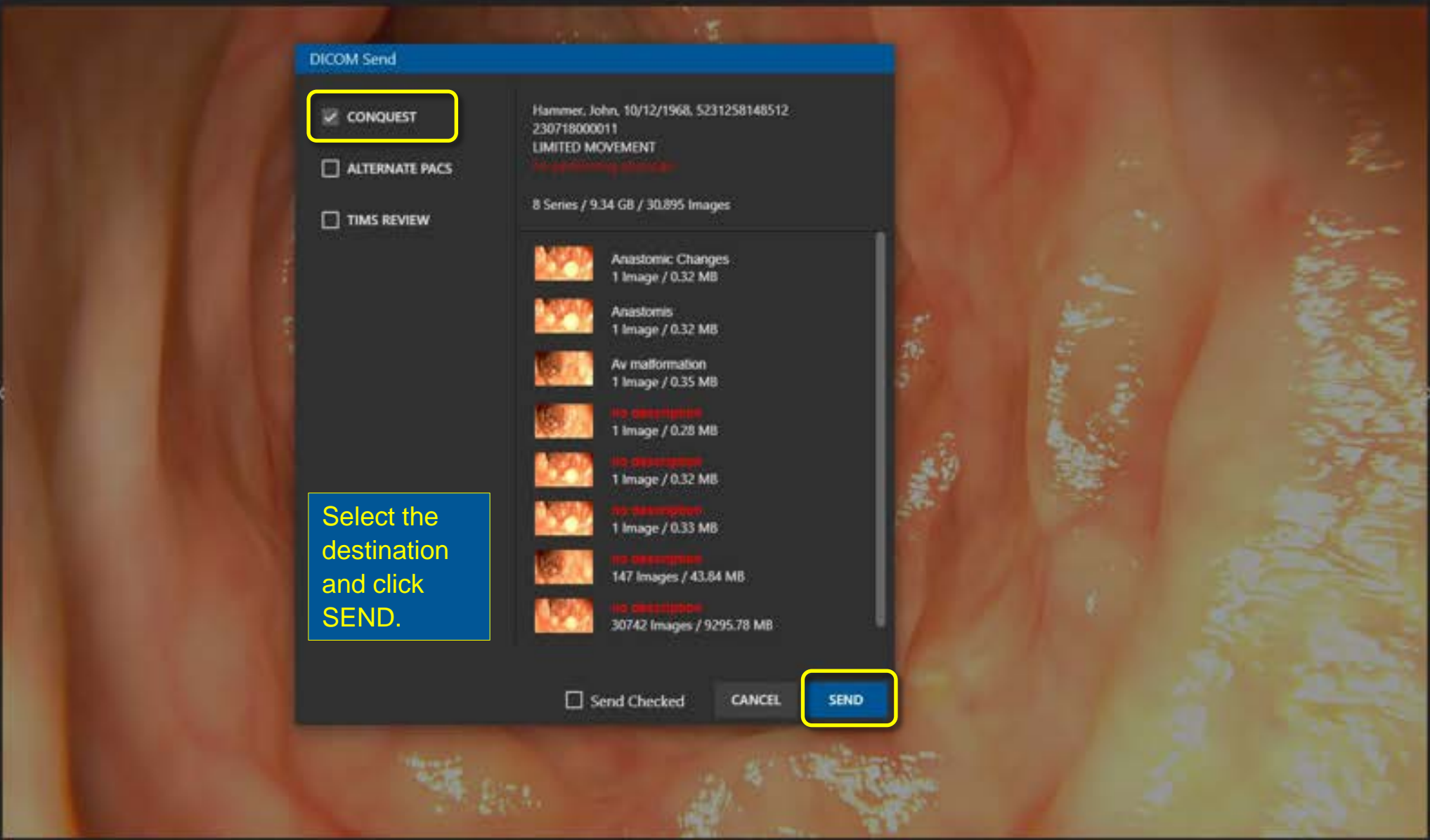
Annotate using the tools on the right.





Trim video using the arrows on the bottom of the green timeline.

Top



DICOM Send

CONQUEST

ALTERNATE PACS

TMS REVIEW

Hammer, John, 10/12/1968, 5231258148512
230718000011
LIMITED MOVEMENT
No description available

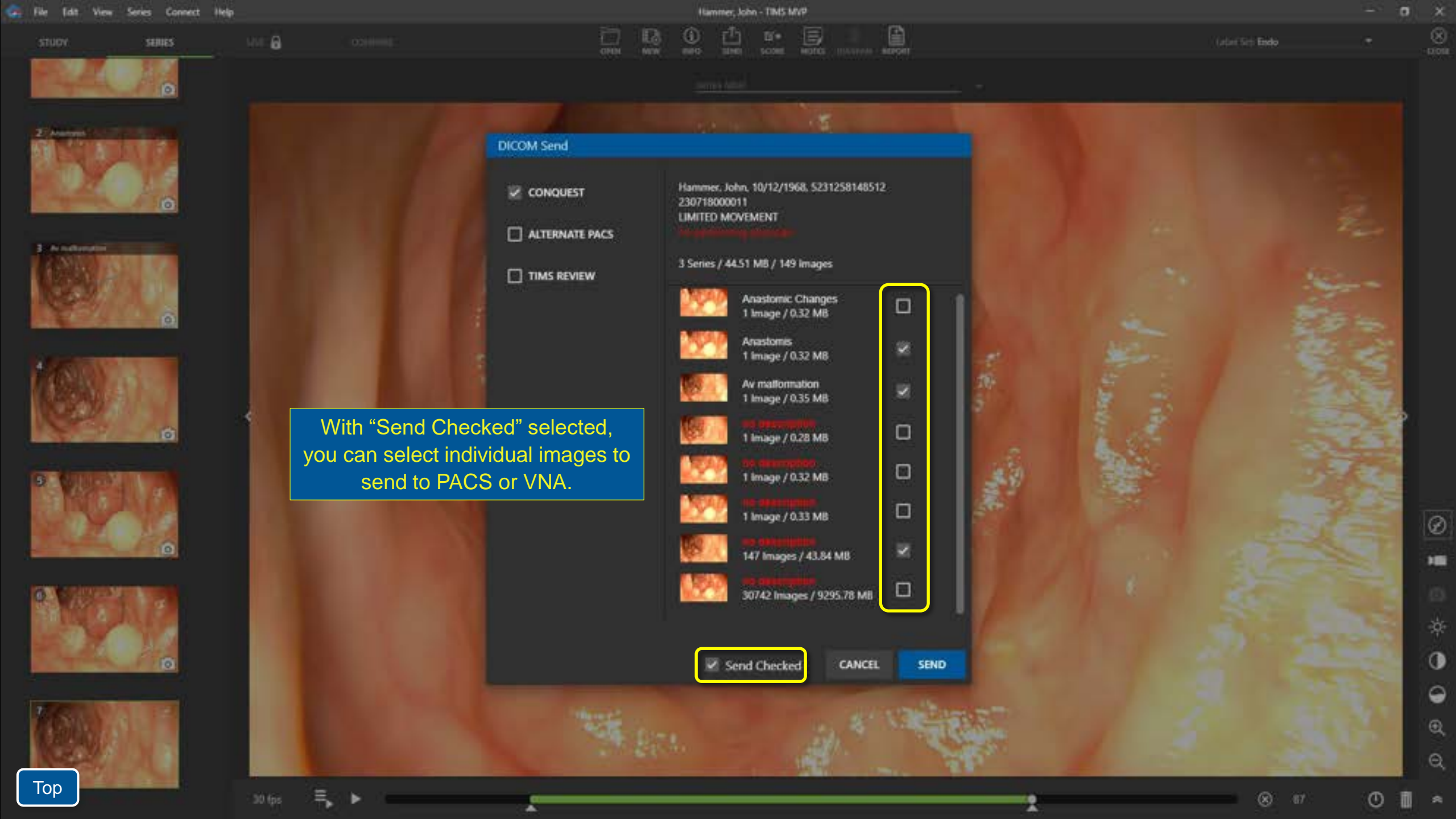
8 Series / 9.34 GB / 30,895 Images

- Anastomotic Changes
1 Image / 0.32 MB
- Anastomosis
1 Image / 0.32 MB
- Av malformation
1 Image / 0.35 MB
- No description*
1 Image / 0.28 MB
- No description*
1 Image / 0.32 MB
- No description*
1 Image / 0.33 MB
- No description*
147 Images / 43.84 MB
- No description*
30742 Images / 9295.78 MB

Send Checked

CANCEL **SEND**

Select the destination and click SEND.



With "Send Checked" selected, you can select individual images to send to PACS or VNA.

Study Start with No Worklist

- Create a new study using “New Blank Study” button.
- Enter the minimum required information: patient name, patient ID, DOB.
- Record the study and then close the study. It will be saved to the study list.
- Later, when a worklist entry is available, easily update the study by applying a worklist entry to the existing study.
- Send the updated study to PACS.

Study Dashboard

NEW BLANK STUDY...

TUDIES

Accession Patient

Study Info

Channel
Endoscopy Video

CANCEL NEW...

Worklist

Referring Descript

Last First

Middle Suffix

Prefix DOB MM/DD/YYYY Male

Patient ID Hospital

Referring

Group

Referring Description

keyword

CANCEL OK

Use the "New Blank Study" option.

In order to start a recording, you must fill out the required fields:
First Name, Last Name, Date of Birth, and Patient ID.

Perform the study, then close it when complete. It will be saved automatically.

Study Dashboard

NEW BLANK STUDY... WORKLIST

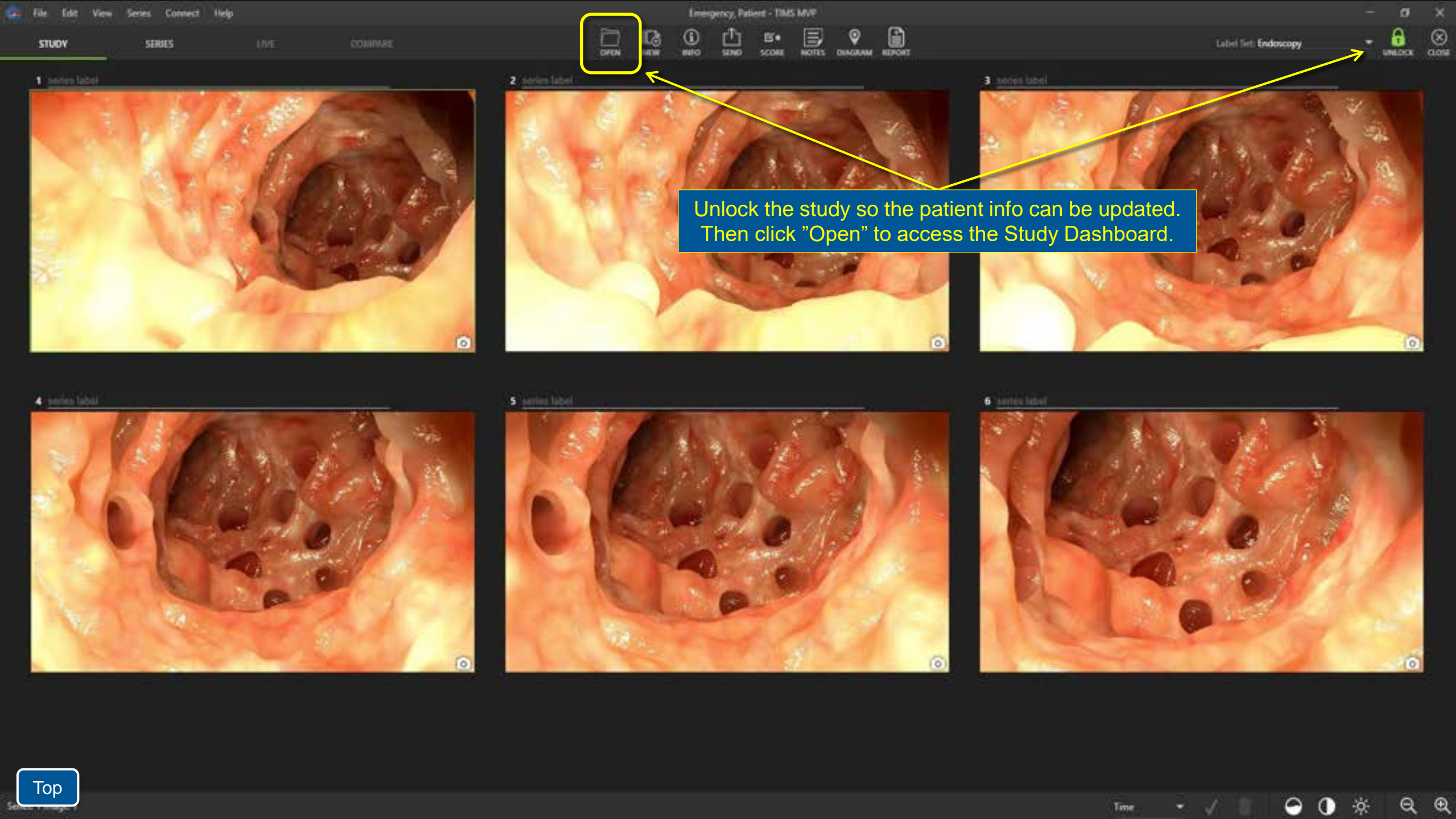
filter list CANCEL OPEN

Study Count: 30 | 1406.25 GB free

DOB	G	Study Date	Patient ID	Hospital	Group	Referring	Performing	Modality	Body Part	Accession #	Series	Sends	Con
Emergency Patient	1/1/2001	M	7/27/2023	989876				ES			6	0	
Meyers Tom	2/14/2001	M	7/27/2023	703257		DR. RICH...		ES	Throat	230306000026	0	0	
Patient One	2/7/2008	O	7/27/2023	704687		DR. RICH...		ES	Throat	230306000025	8	0	
Patient One	2/7/2008	O	7/27/2023	704687		DR. RICH...		ES	Throat	230306000025	0	0	
Patient One	2/7/2008	O	7/27/2023	704687		DR. RICH...		ES	Throat	230306000025	0	0	
Orsal Alexs	6/28/2021	F	7/17/2023	075110		DR. ALBER...		ES	Colon	230306000021	6	0	
Atmos. MolinarFE...	1/2/1985	M	2/7/2023	67800-2				ES			1	0	
Demo Tony	2/6/1956	F	1/30/2023	1234533333				ES		67890	6	0	
Demo Tony	2/6/1956	F	1/30/2023	1234533333				ES		67890	6	0	
Shimadzu MB											7	0	
Atmos HD											1	0	
Atmos HD	10/3/2022	M	10/26/2022	456577				ES		4657	1	0	
Atmos HD	10/3/2022	M	10/25/2022	456577				ES		4657	4	0	
Atmos HD	10/3/2022	M	10/25/2022	456577				ES		4657	9	0	
BLACK FRAMES	2/5/2018	F	10/23/2022	123-1				RF		096533-1	15	0	
Ambu Ambu	2/2/1999	M	5/23/2022	45673421				ES			1	0	
Surgery Patient	10/17/1957	M	1/25/2022	8752354		DR. Smithy		ES		22876675	7	0	
FEES HRes	5/15/1991	F	7/16/2021	1234556				RF		132424242	7	0	
Sample1 Peds	3/1/2008	F	3/16/2016	345	FI	1		XA		345	8	0	
Demo Tony	2/6/1956	F	9/1/2015	1234533333				CR			20	0	
Study2New Sample	2/2/1956	F	9/1/2015	0002456	RUT 7 Rad...	RUT 7 Rad...		CR		11083048	12	0	

STUDIES

When you have access to the hospital network, find the patient you want to update from the Worklist and open the study.



Unlock the study so the patient info can be updated. Then click "Open" to access the Study Dashboard.

Top

Study Dashboard

NEW BLANK STUDY

STUDIES

Accession	Patient

Study Info

Channel: Endoscopy Video

Last: Meyers First: Tom

Middle: Suffix:

Prefix: DOB: 02/14/2000 Male

Patient ID: 703257 Hospital:

Group: Referring: DR. RICHARD MIGNON

Performing: Description: FEES

Body Part: Throat Accession #: 230306000026

Keywords: keyword

CANCEL NEW...

CANCEL OK

Verify the information is correct and select OK.
The study will now reflect the information from your Worklist.