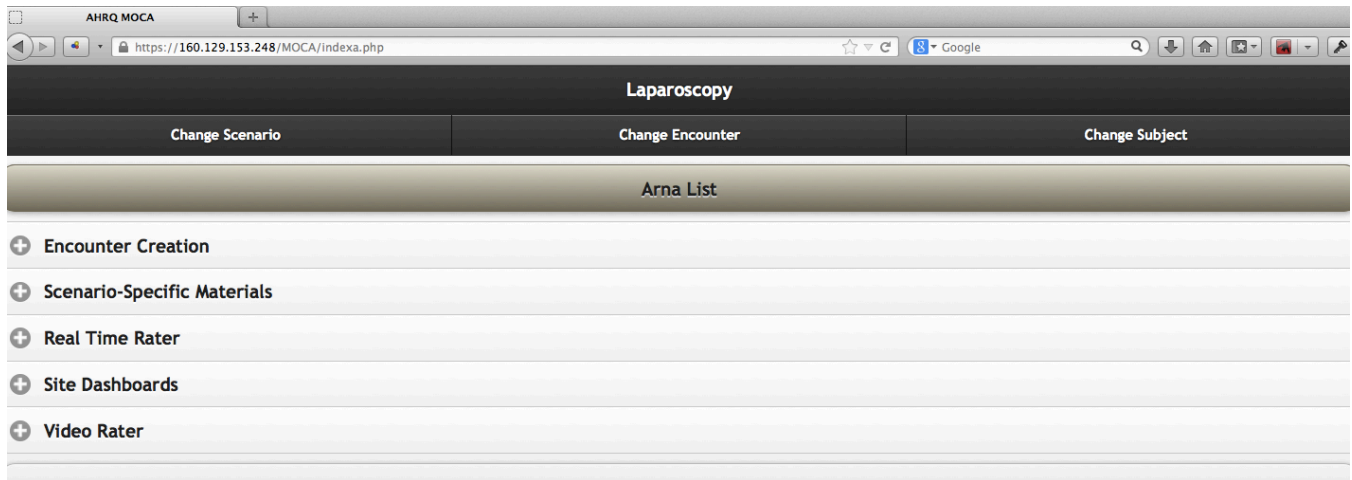


## SDC 7. Video Rating Website Manual

### Database Home Screen

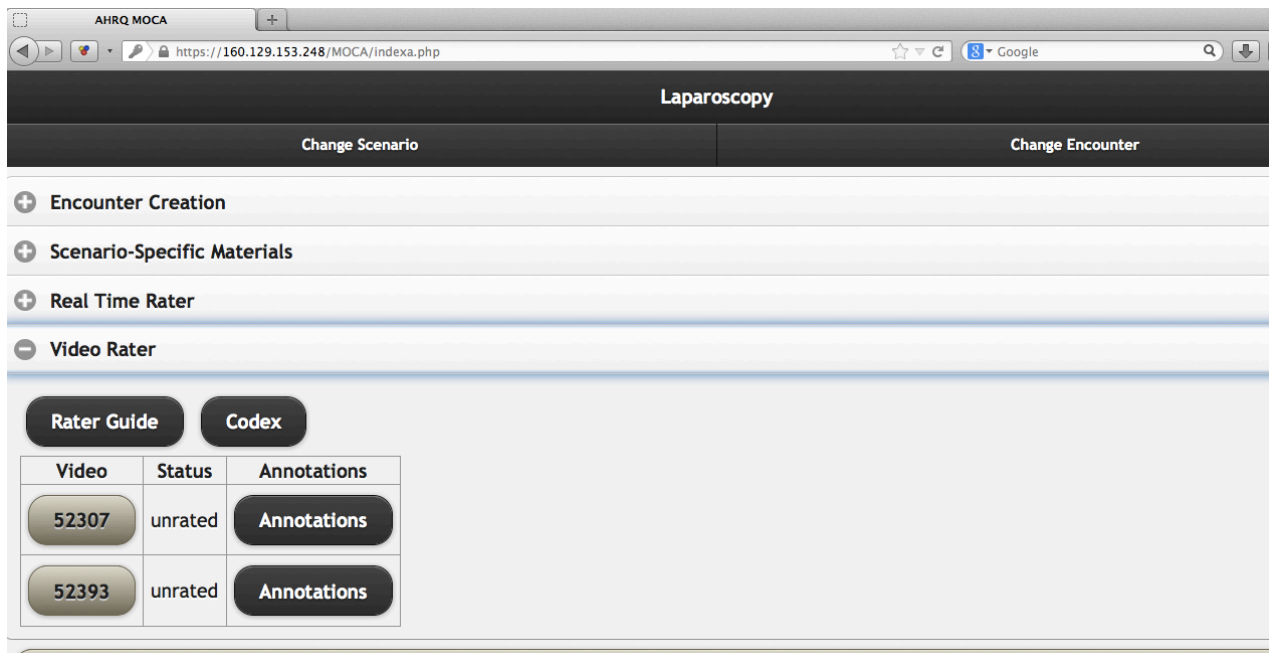
## VIDEO RATER GUIDE

### 1. Log into the database



### 2. Click on Video rater

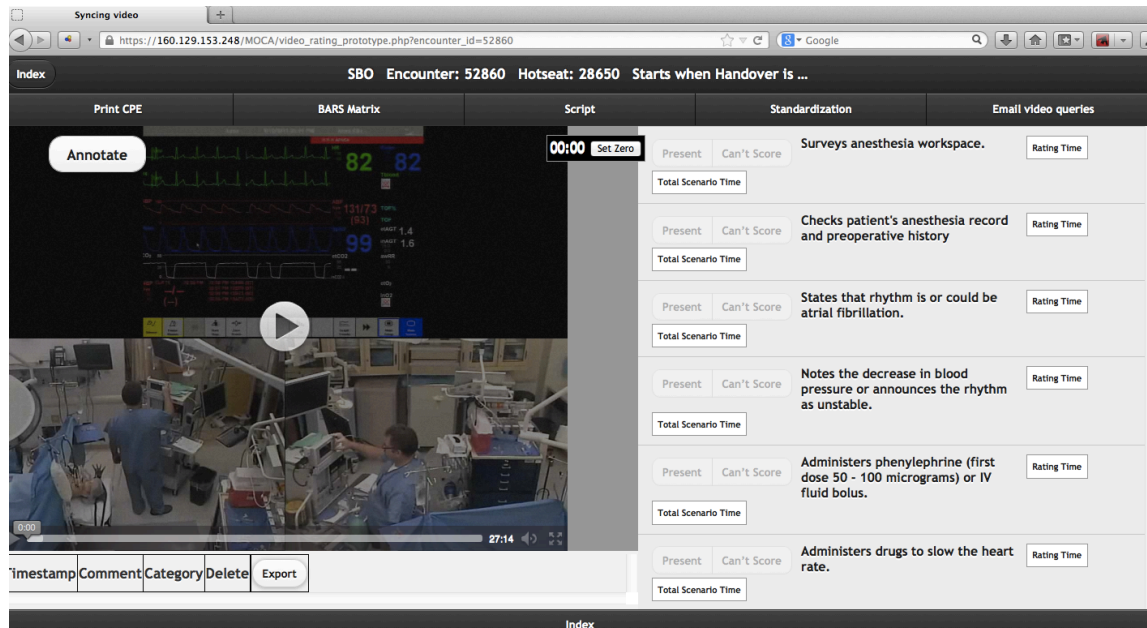
### 3. The videos assigned to you will be available here



### 4. From this page you can also access the rater guide (still being edited) and the codex (rules of simulation)

## SDC 7. Data Collection Process and Sample Data Entry Screens

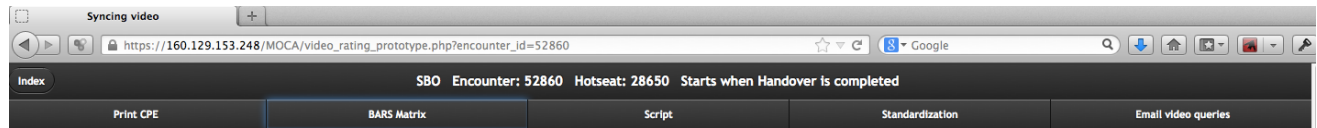
5. Click on one of the assigned videos
6. It should take you to the video rater portal



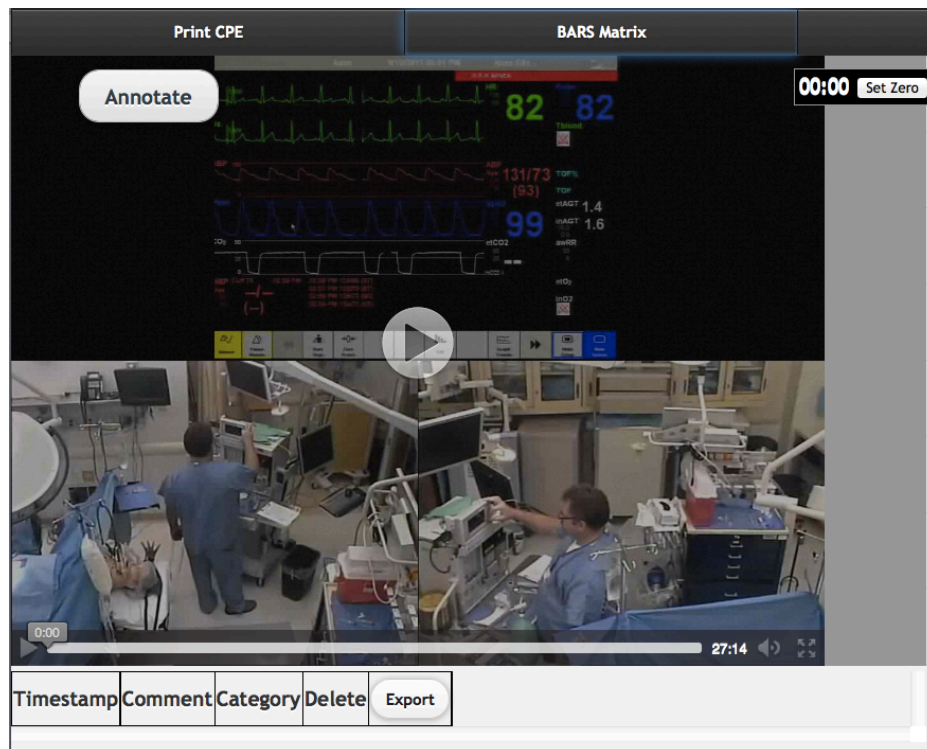
7. The top bar on this portal gives you access to scenario specific information
  - Print CPE – you can print a paper copy of the technical items as well as the BARS for this scenario
  - BARS Matrix – you can refer to this or print out for ref while grading the Behavioral performance
  - Script – scenario specific
  - Standardization – contains the standardization elements for the scenario (this is still being edited)
  - Email ARNA if you have any issues technical or otherwise, this button will send of a scenario specific email to Eric and myself

## SDC 7. Data Collection Process and Sample Data Entry Screens

8. The top of the page has the scenario (SBO in this case), Encounter ID, Hotseat ID and Time Zero (Starts when handover is completed in this case).
9. The video portal is on the left side the video and has two buttons



- Annotate
- Time Zero – all the CPE's will become available only after Time Zero has been set



10. Start watching the video. Set time Zero. If you have to reset time zero for any reason use the “Set Zero” bar at the bottom of the screen.

11. To Annotate (available prior to setting Time Zero) Click on Annotate – type in

## SDC 7. Data Collection Process and Sample Data Entry Screens

your comments. Choose whether your annotation is related to rating or standardization (this will be useful during standardization of scenario post rating). Then click submit.

The screenshot shows a web browser window with a URL: [https://160.129.153.248/MOCA/video\\_rating\\_prototype.php?encounter\\_id=52860](https://160.129.153.248/MOCA/video_rating_prototype.php?encounter_id=52860). The page has a navigation bar with tabs: Index, Print CPE, BARS Matrix, Script, Standardization, and Email video queries. The main content area is divided into two sections. On the left, there is a video player showing a surgical scene with a timestamp of 27:14. Below the video player are buttons for 'Timestamp', 'Comment', 'Category', 'Delete', and 'Export'. On the right, there is a list of annotations for rating. Each annotation has a 'Present' button, a 'Can't Score' button, a 'Rating Time' button, and a 'Total Scenario Time' button. The annotations are:

- States that rhythm is or could be atrial fibrillation.
- Notes the decrease in blood pressure or announces the rhythm as unstable.
- Administers phenylephrine (first dose 50 - 100 micrograms) or IV fluid bolus.
- Administers drugs to slow the heart rate.
- Communicates with surgeon about the patient's still unstable state.

At the bottom of the page, there is a 'Set Zero' button and an 'Index' button.

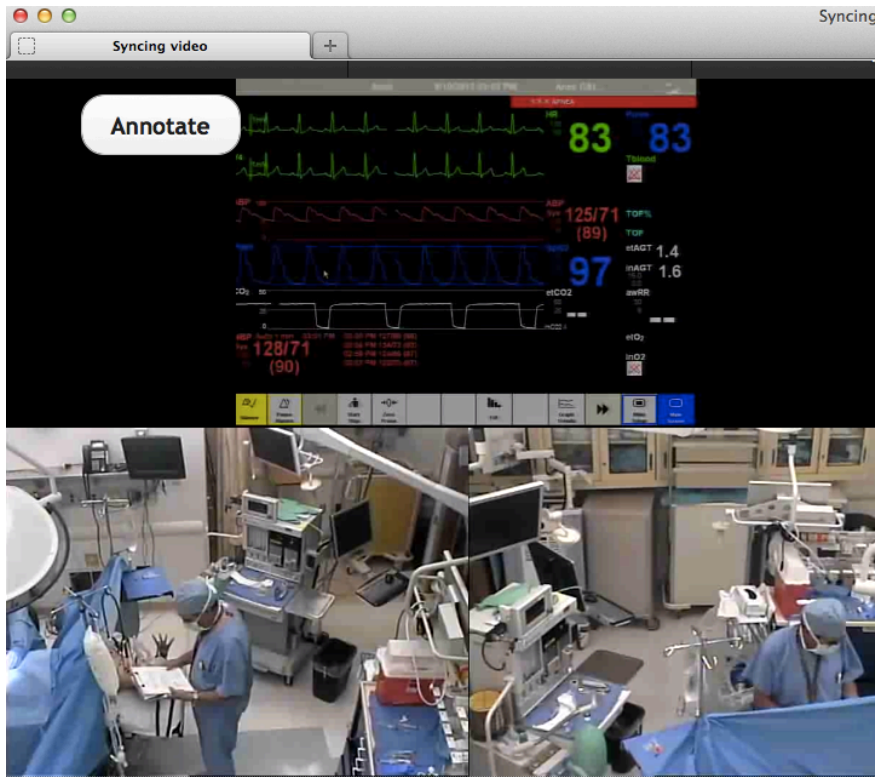
The screenshot shows the same web browser window as the previous one, but with an annotation overlay. The video player shows a surgical scene with a timestamp of 00:00. The annotation overlay is a white box with a close button (X) in the top right corner. It contains the following text:

- 02:00
- Annotation
- ETCO2 is missing
- Category
- standardization (selected)
- rating
- standardization

The background of the page shows the same navigation bar and tabs as the previous screenshot. The 'Standardization' tab is currently selected. The 'Rating Time' and 'Total Scenario Time' buttons are visible on the right side of the page.

## SDC 7. Data Collection Process and Sample Data Entry Screens

12. The annotations will show in the space below with an option to delete the comment if required.



The screenshot displays a software interface for data collection. At the top, a window titled 'Syncing video' is visible. Below it, a large video feed shows a surgical team in an operating room. Overlaid on the video is a panel of vital signs and waveforms. The panel includes an 'Annotate' button, a heart rate of 83, a blood pressure of 125/71 (89), a respiratory rate of 17, and a SpO2 of 97. It also shows waveforms for ECG, EtCO2, and other parameters. Below the video feed, a table lists annotations.

Timestamp	Comment	Category	Delete	Export
02:00	ETCO2 is missing	standardization	del	

13. Once Time Zero is set rating items become available on the right side of the screen and you can start your scoring by starting to rate the technical items

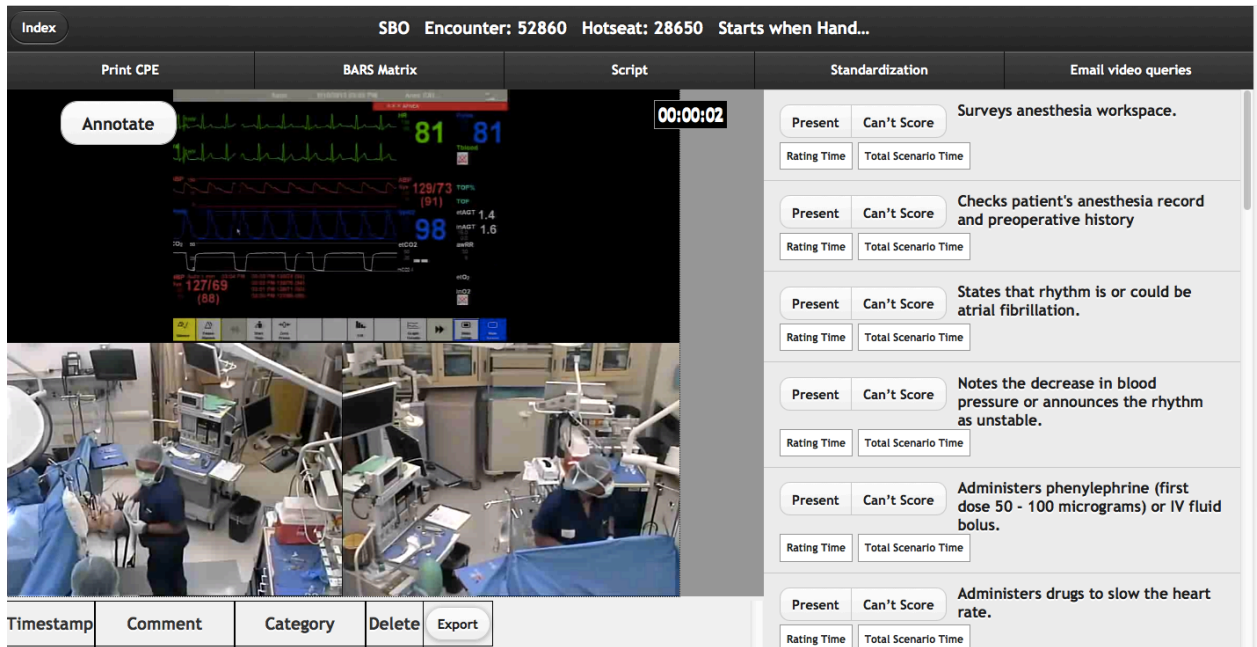


## SDC 7. Data Collection Process and Sample Data Entry Screens

Index SBO Encounter: 52860 Hotseat: 28650 Starts when Hand...

Print CPE BARS Matrix Script Standardization Email video queries

Annotate 00:00:02



Present Can't Score Surveys anesthesia workspace.  
Rating Time Total Scenario Time

Present Can't Score Checks patient's anesthesia record and preoperative history  
Rating Time Total Scenario Time

Present Can't Score States that rhythm is or could be atrial fibrillation.  
Rating Time Total Scenario Time

Present Can't Score Notes the decrease in blood pressure or announces the rhythm as unstable.  
Rating Time Total Scenario Time


Present Can't Score Administers phenylephrine (first dose 50 - 100 micrograms) or IV fluid bolus.  
Rating Time Total Scenario Time

Present Can't Score Administers drugs to slow the heart rate.  
Rating Time Total Scenario Time

Timestamp Comment Category Delete Export

14. If you need to correct your annotation – you can either

- Delete it and re annotate or
- Click on the annotation you want to correct and click on annotation to reopen the annotation box

			
05:43	Notices hypotension	rating	del
05:50	asks surgeon to back off on retraction	rating	del
06:46	Looks at monitor and listens to the patient	rating	del

## SDC 7. Data Collection Process and Sample Data Entry Screens

The screenshot shows a data entry interface with a modal form in the center. The background displays a medical monitor with vital signs: ABP 76/50 (58), TOP 1.4, etCO2 35, and a large blue number 98. The modal form has a close button (X) in the top right corner. It contains the following fields and buttons:

- Time:** 06:48
- Annotation:** A text input field containing "Looks at minitor and l".
- Category:** A dropdown menu with "rating" selected.
- Buttons:** "Submit" and "Present".

To the right of the modal, there is a table with columns for "Present" and "Rating Time". The table contains several rows of data, including "00:01:38" and "00:02:09".

Make your correction in the box and then click submit.

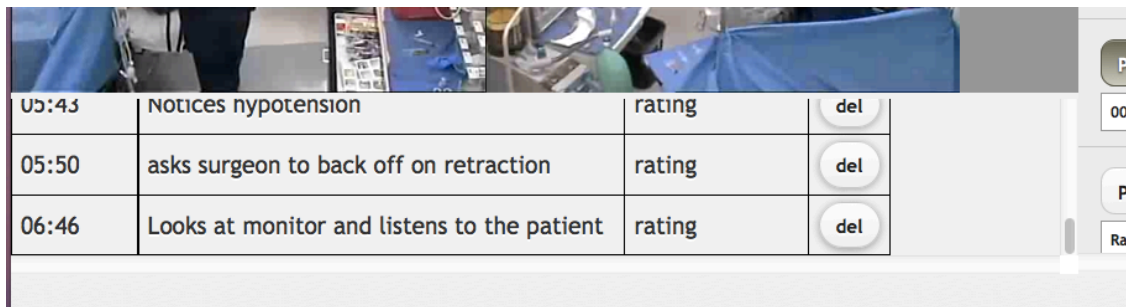
This screenshot shows the same data entry interface as the first one, but with the annotation corrected. The modal form now displays:

- Time:** 06:48
- Annotation:** "Looks at monitor and l" (corrected from "minitor").
- Category:** "rating" (unchanged).
- Buttons:** "Submit" and "Present".

The background medical monitor and the table on the right are also visible, showing the same data as in the first screenshot.

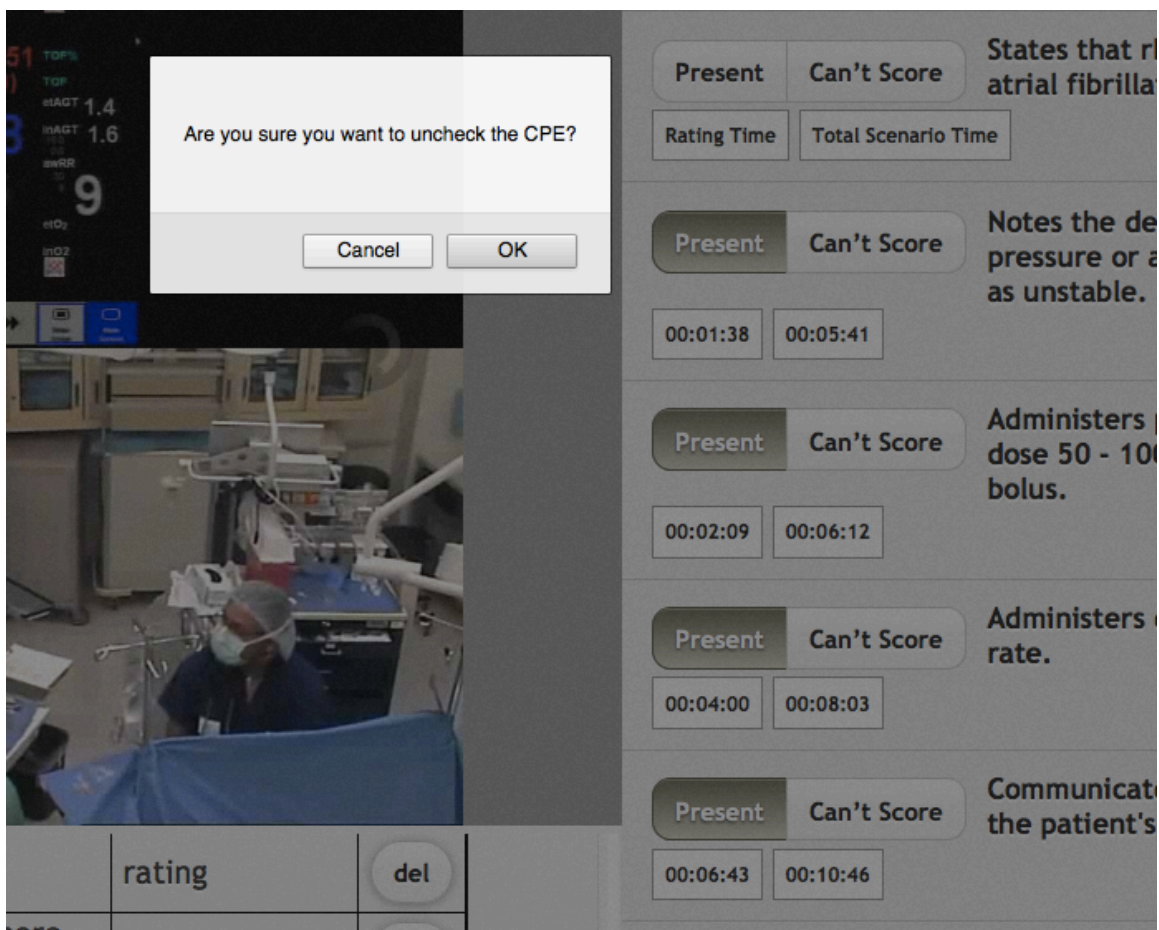
The correct annotation now appears

## SDC 7. Data Collection Process and Sample Data Entry Screens



05:43	NOTICES hypotension	rating	del
05:50	asks surgeon to back off on retraction	rating	del
06:46	Looks at monitor and listens to the patient	rating	del

15. If you need to correct a CPE that you have checked – click on it again to uncheck it.



Are you sure you want to uncheck the CPE?

Cancel OK

Present Can't Score States that r  
atrial fibrilla

Rating Time Total Scenario Time

Present Can't Score Notes the de  
pressure or a  
as unstable.

00:01:38 00:05:41

Present Can't Score Administers  
dose 50 - 10  
bolus.

00:02:09 00:06:12

Present Can't Score Administers  
rate.

00:04:00 00:08:03

Present Can't Score Communicat  
the patient's

00:06:43 00:10:46

Click OK



## SDC 7. Data Collection Process and Sample Data Entry Screens

00:04:00 00:08:03

Present Can't Score

Communicates with surgeon about the patient's still unstable state

NaN:NaN:NaN NaN:NaN:NaN

Calls for crash cart and/or

16. To mark an item “can’t score click on can’t score and complete the reason for not being able to score the item.

**I Can't Score Because:**

Why can't you rate it?

Deviation:

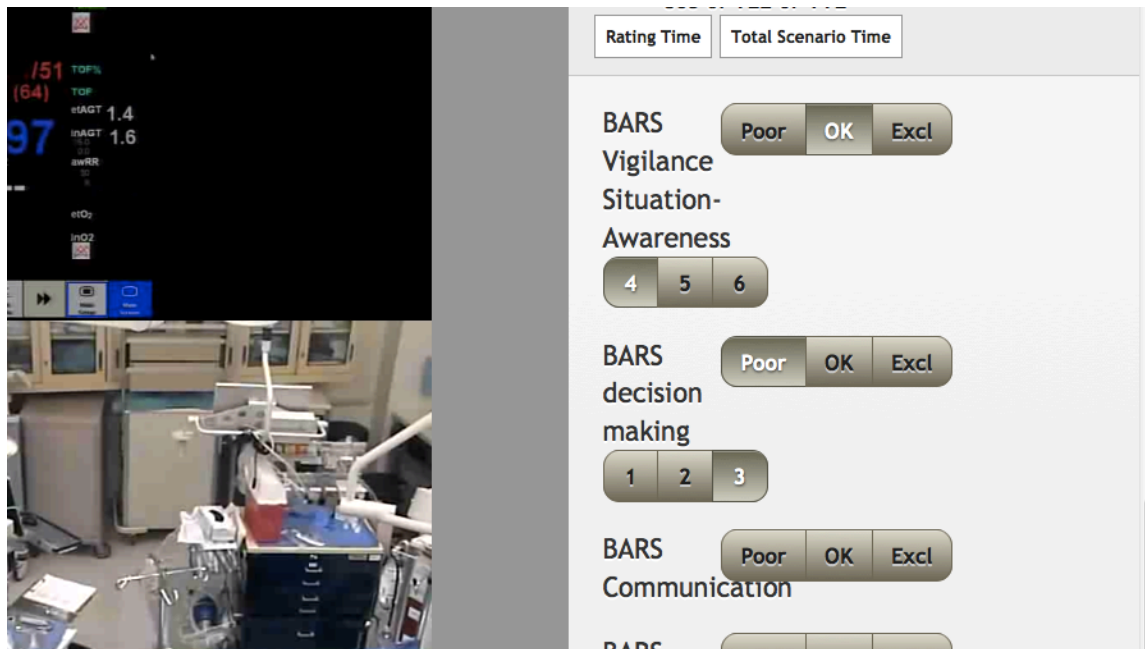
- ☐ Incorrect or wrong timing of vital signs
- ☐ Missing event/wrong event/missing or wrong critical issue
- ☐ Simulator Problem
- ☐ Clinical equipment or supply problem
- ☐ Audio or Visual problem
- ☐ Confederate Action or Inaction
- ☐ Participant action or Inaction
- ☒ Other

Done

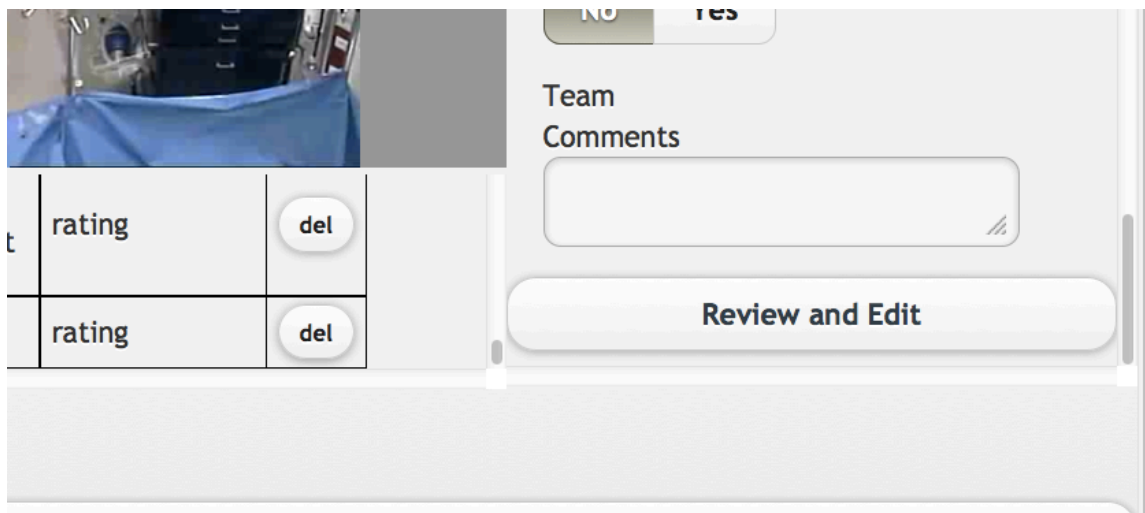
To change a “can’t score item – click on the present tab to deselect “can’t score” and then click on present again to deselect the item completely.

17. Complete the BARS items

## SDC 7. Data Collection Process and Sample Data Entry Screens



18. Click review and edit to submit ratings



19. Confirm all the items that have been marked as negative or not done

## SDC 7. Data Collection Process and Sample Data Entry Screens

The screenshot shows a web application interface with a top navigation bar containing links: Print CPE, BARS Matrix, Script, Standardization, and Email video queries. A modal dialog box titled "Confirm absent elements" is open. It has a section "Negative CPEs" with a bulleted list of criteria for scoring as Absent. Below this is a section labeled "Unratable" with "Submit" and "Edit" buttons. A note at the bottom states: "\*All Negative CPEs will be scored as ABSENT." The background shows a blurred video feed of a medical procedure.

**Confirm absent elements**

**Negative CPEs**

- States that rhythm is or could be atrial fibrillation.
- Communicates with surgeon about the patient's still unstable state
- Performs effective cardioversion using appropriate synchronized settings (synchronized,  $\geq 120$  J biphasic or equivalent)
- Communicates restoration of NSR (and improvement in BP) following cardioversion
- Discusses treatment options with surgeon.
- Discusses treatment options with cardiologist and/or surgeon including at least **two** of the following:
  - Transfer to cardiac catheterization laboratory
  - Heparin infusion in the OR
  - Additional hemodynamic support
  - Intraaortic balloon counter-pulsation
  - Amiodarone infusion in the OR
  - Use of TEE or TTE

**Unratable**

Submit Edit

\*All Negative CPEs will be scored as ABSENT.

20. Click Submit – this will take you to the screen showing debrief notes from the site – (these will only show if the site enters any) – click submit and standardize once done

The screenshot shows the "Debrief" screen of the application. It has a dark header with "Index" and "Debrief" tabs. Below the header, the text "Debrief Notes from Site" is displayed. Underneath, it says "Rating Submitted". At the bottom, there are two buttons: "Edit Rating" and "Submit & Standardize".

**Index Debrief**

**Debrief Notes from Site**

Rating Submitted

Edit Rating Submit & Standardize

21. Confirm that your ratings are final

This screenshot is similar to the previous one, showing the "Debrief" screen. However, a small confirmation dialog box is overlaid on the bottom right. The dialog box asks "Are you sure you want to finalize your rating?" and has "Cancel" and "OK" buttons.

**Debrief Notes from Site**

Rating Submitted

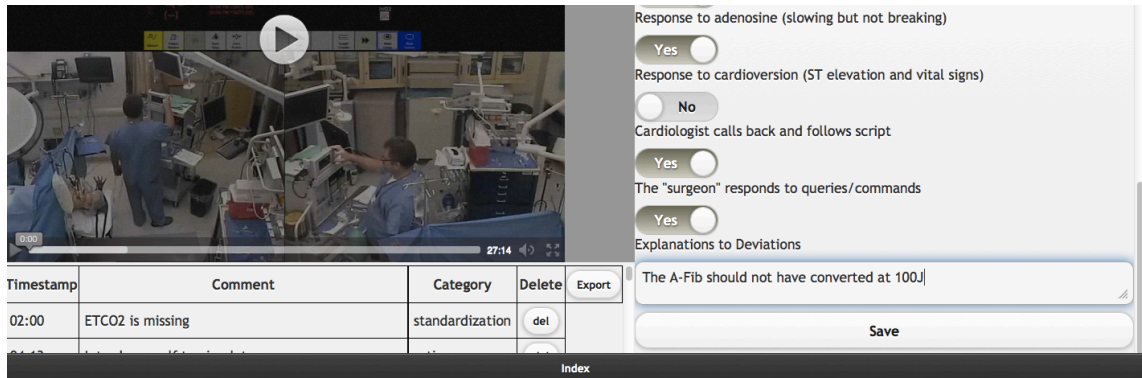
Edit Rating Submit & Standardize

Are you sure you want to finalize your rating?

Cancel OK

## SDC 7. Data Collection Process and Sample Data Entry Screens

### 22. Next complete the scenario standardization form



Response to adenosine (slowing but not breaking)

☒ Yes

Response to cardioversion (ST elevation and vital signs)

☐ No

Cardiologist calls back and follows script

☒ Yes

The "surgeon" responds to queries/commands

☒ Yes

Explanations to Deviations

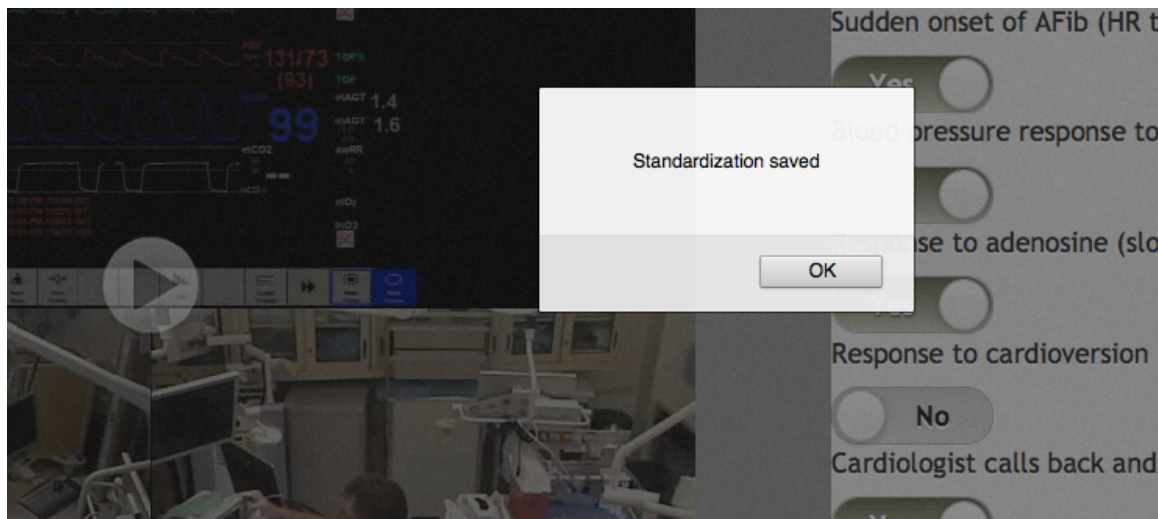
The A-Fib should not have converted at 100J

Save

Timestamp	Comment	Category	Delete	Export
02:00	ETCO2 is missing	standardization	del	
04:18				

Index

### 23. Click save once done and then confirm submission



Sudden onset of AFib (HR t

☒ Yes

Blood pressure response to

☒ Yes

Response to adenosine (slo

☒ Yes

Response to cardioversion

☐ No

Cardiologist calls back and

☒ Yes

Standardization saved

OK