Dear Author(s),

This document is divided into a number of sections in which you can add your comments to the video, voiceover, and online text/PDF. Please be aware that our policy is to do a single complimentary revision, so it is critical that all participants in this project offer their comments collectively. In addition, please make sure that your comments are easily interpreted and transparent.

Have fun!

Protocol Name: Automation of a Positron-emission Tomography (PET) Radiotracer Synthesis Protocol for Clinical Production

Date: 8/30/18

Authors and Affiliations

Please fill in any missing author information not included in the video.

Order	Author	Affiliation	Email
6	R. Michael van Dam	2 (already included in video)	
		4 (missing in video)	

Video Comments

Please fill in any comments you wish to make using the table below using the example as a guide. If you need more space to write, please do so below the table. **DO NOT ADD CORRECTIONS TO THE NARRATION HERE. PLEASE DO THIS IN THE AUDIO COMMENTS SECTION.**

	Time code	Comment	Requested Change
1.	5:20	Hard to see what program is selected because a mouse is not used on the screen.	Put a soft highlight on the "18F-Clofarabine Synthesis" sequence shown at the very top of the list (in blue)
2.	5:23	Hard to see where the "run" button is since no mouse is used on the screen	Put a soft highlight around the "Run |>" button at the top middle of the sceen
3.	5:33	Scrolling down to press continue is very fast, and it's hard to see where the "continue" button is.	Put a pause in the video once it has "scrolled down" to the bottom of the screen, then put a soft highlight around the "Continue" button, then pick the video back up (with the popup showing up)
4.	5:35	Hard to see the user press the second "run" button (on the popup window)	Put a pause in the video once the popup shows up, then put a soft highlight around the "Run" button on the popup. Then continue the video after the button is pressed (when the next "Starting run…" popup comes up)
5.	5:55	Unclear where the "popup" is [changing audio to "button"; see below]	Put a soft highlight around the "Continue" button to the right of "TRAP:"
6.	6:04-6:09	Unclear where the user should "monitor the radiation sensor"	Put a soft highlight around the "Activity 1 XX / YY / ZZ" feedback area on the right side of the screen
7.	6:29-6:34	For clarity, it would be good to highlight the feedback areas as they are narrated	- Put a soft highlight around the "TEMP XX / YY" feedback area when the narration says "the temperature" - Put a soft highlight around the countdown timer between the "EVAPORATE:" text and "Override Timer" button when the narration says "remaining time" - Put a soft highlight around the entire video feed when the narration says "and remaining liquid level"

8.	6:35-6:46	The video only shows the reagent vial being "picked up" by the instrument, not being delivered to the cassette	Add more of the video after the reagent vial is picked up (at 6:45) until it is "pushed into the cassette" at some later time. You can start this video from 6:39; the movements before that (and the delay time) aren't important. To time this correctly with the audio, you can adjust the playback speed so the entire pickup and delivery of the reagent vial is shown.
9.	7:17	For clarity, it would be good to highlight the feedback areas as they are narrated	• Put a soft highlight around the countdown timer between the "TRANSFER:" text and "Override Timer" button when the narration says "the remaining time" • Put a soft highlight around the LEFT video feed when the narration says "level of remaining liquid in the reaction vessel" • Put a soft highlight around the Activity 1 and Activity 2 (and values) feedback areas of the screen when the narration says "radiation detector… the cartridge"
10.	7:27	The video "merging" followed the instructions for most of the video area but not for the mobile phase A/B percentages. The merged video should correctly show 85%/15% instead of 850%/150%. Also, the "elapsed time" should show the correct time (~01:26:12).	Please refer to the area of the two videos to merge together in the PDF I uploaded for section 4.10.1.
11.	7:32	Product button being selected isn't obvious	Put a soft highlight around the "Product" button underneath the "PURIFICATION" text when the button is pushed.
12.	7:37-7:45	The video only shows a still image here instead of a live image	Merge the two video files following the instructions provided for section 4.11.1. (This was already done almost correctly for the first

			purification video from 7:28 – 7:37). Additionally put a soft highlight around the "waste" button when it is pressed, similar to comment #10 above. As the video currently shows, the still image here is incorrect because it's not the merged image (e.g. the mobile phase A is 850.0% instead of 85%).
14.	7:50	Hard to see what program is selected because a mouse is not used on the screen.	Put a soft highlight on the "F-18 CFA Formulation" sequence shown; 5th from the top.
15.	7:54	Hard to see where the "run" button is since no mouse is used on the screen	Put a soft highlight around the "Run |>" button at the top middle of the sceen
16.	8:33-8:35	For clarity, show where the power button is	Put a soft highlight on the "Power" icon/text on the lower left of the screen
17.	8:35	The first popup window (Shut down elixys, Yes/No) is shown only very briefly	Pause the video on this popup message to allow the viewer time to read it.
18.	8:55	Section 5 text disappears quickly	Pause longer on section 5 text to allow viewer time to read it.

Audio Comments

This section is used to specify the changes that need to be made to the narration.   Please follow the example below as a guide to list your changes. If there is a pronunciation change, please provide a phonetic pronunciation key.

	Time code	Comment	Step(s) in Shotlist	Rewritten Text or Corrected Pronunciation (highlight in bold)
1.	0:58	Pronunciation of Clofarabine is incorrect (Clo-fara-b**i**ne)	2.1	Correct pronunciation: Clo-fara-**bean**
2.	1:43	There are already two unit operations on the sequence before the evaporation operation is dragged there. Clarify this in the narration.	2.5	"**For fluoride evaporation in unit operation 3, drag the evaporation** operation to the film strip view and enter the reactor used, temperature, duration, and desired pressure of nitrogen stream."
3.	1:52	"followed by" in the narration implies that it's the next operation, but it's actually 5 operations later. This should be clarified in the narration.	2.5	(After the modified text in #2 above) "**For precursor addition in unit operation 8, drag the addition operation to the film strip view. For fluorination reaction in unit operation 9, drag a react operation to the film strip view and adjust their parameters**."
4.	2:51	Original script text says "module". Voice over narration says "model".	3.3	Change "model" to "**module**".
5.	3:10	Pronunciation of "equilibrate" is incorrect (**E**-quil-i-bree-ate)	3.6	Correct pronunciation: e-**quil**-i-brate
6.	5:55	Narration text says "a popup will appear" but no window pops up	4.4	Change narration text to "a **button** will appear"

Online Text/PDF Protocol

Please use this table to address changes that need to be made to the online text/PDF document. Both the online text and PDF are generated from the HTML template of your article. Since the PDF is generated from the HTML by our conversion software, it may contain formatting errors. For major structural changes or more than 10 spelling or grammatical mistakes, we will require re-upload of the entire document.

	Protocol Step	Comment	Requested Change (highlight in bold)
1.	N/A	Affiliation #2 should be modified to be consistent with other affiliations	Department of Molecular & Medical Pharmacology, David Geffen School of Medicine, University of California, **Los Angeles (UCLA)**