Point-by-point response

Title, Page 1, line 2. The editing of the title is accepted by the authors.

Due to our restriction on appearance of commercial names in the manuscript, I have replaced EyeSeeCam with “vHIT system A” and ICS impulse with “vHIT system B”. This is fine to replace commercial names with vHIT system A and B instead. I have added “respectively” to clarify. Page 2, line 72.

Not critical to film so I have unhighlighted this. Fine to un-highlight 2.1.1, page 5, lines 181-185.

I have removed one “the” as it appeared twice in the text describing step 2.1.2. Page 5, line 187.

If two different systems with two different mounting setups are used, I recommend only one system be shown in the video to avoid confusion and avoid going back and forth between two different setups. Step 3.2 has been un-highlighted. The most important thing is a tight goggle fit, and this is also briefly mentioned in 3.1. Page 5, lines 206-211.

Step 3.3. The last sentence has been re-highlighted as this is very important. Page 5, line 214.

Unhighlighted as it appears optional. Okay to leave out step 3.3.1 from the video. Overall point has been briefly mentioned in 3.3. Page 6, lines 213-214.

Unhighlighted steps pertaining to ICS impulse for clarity and conciseness. Fine to un-highlight step 3.4.1. Page 6, line 227-228.

Unhighlighted steps pertaining to ICS impulse for clarity and conciseness. Fine to leave some of the calibration steps and it is not necessary to show the complete calibration of both types of vHIT systems. All steps concerning vHIT system A has been un-highlighted and instead some of the steps for calibration of vHIT system B have been highlighted as this procedure is shorter compared to vHIT system A. A comment may, advantageously, be added to the video at the end of the sequence with calibration of vHIT system B to emphasize that calibration steps are different for vHIT system A. Page 6-7, lines 292-304.

I’m not sure how we can film this whilst ensuring continuity between steps. Guidelines such as these are best left unhighlighted, so I have excluded them. We can include them if you can provide more details on “how” the impulses are delivered. For example, are they delivered using software control? If so please mention button clicks and parameter set up.

Does the experiment deliver the impulse her/himself? Unclear how they control the acceleration and velocities in this case. I believe it is very important to re-highlight parts of steps 5.1; 5.1.1; 5.1.2 and 5.1.2.1. It is indeed possible to film the examiner doing head impulses that are both unpredictable, abrupt and fast. Fine to leave the exact numbers out for the filming. Head impulses are done manually, but there is a software control that evaluates every head impulse inflicted during the testing. (step 6.1 describes this briefly). Some head impulses may be not be included in the final report if certain predefined algorithms in the software are not met. Page 8, lines 308-317.

Per second? “per second” has been added at page 8, line 321.

How exactly is this done? Mention software button clicks. The examiner stands behind the participant and place both at the jaws. Fast head turns (head impulses) to each side are performed. The software counts the number of head impulses accepted to each side. A short comment on this has been added. Page 8, lines 348-349.

Figure 3 needs to be called out before fig 4. “See figure 3” has been added to the text in the calibration section following the description depicted in this figure. Page 7, line 296.

Unhighlighted 5.3.3-5.3.3.2.2 as it pertains to system B. It is crucial that the video shows the two different types of vHIT testing. Therefore, the un-highlighted steps need to be re-highlighted. Step 5.3.3 through step 5.3.3.2.2 has been re-highlighted. Page 9, lines 363-383.

In which direction? The rotation of the chair must be 45 degrees to either side as described in detail in both 5.3.3.1 and 5.3.3.2. A small addition has been made about this. Page 9, line 364.

Where are the markings exactly? Fixed markings on the floor refers to a standard set-up where the clinic tries to minimize possible artifacts by providing a standardization of the test procedure. Fixed markings on the floor should ensure that the distance between the participants test eye and the markings on the wall are at least 1 meter (and also the same with every participant). Page 9, lines 364-367.

Define the acronyms RALP, RA, LP. LARP, LA, RP. These have been defined. Page 9, lines 369-385.

Our journal style requires that the steps 5.3.3.1 – 5.3.3.2.2. be written out as full sentences avoiding the use of the the short subheading with colon at the start. Please edit. This has been edited. Page 9, lines 369-385.

In the horizontal plane? Yes. This has not been revised in the manuscript as the authors believe that it is implicit that a turn of a chair is in the horizontal plane.

Is the chair brought back to 0 degree? No. The described rotations of the head will be done with the chair (and the participant) turned 45 degrees to the side.

Highlighted for completeness (step 5.3.4.1). This is fine

Unclear what this is. Please avoid the subheadings in the steps. This has been corrected. Page 10, lines 397-403.

6.3 Nothing to film here so I suggest unhighlighting. We can film if you have a figure to accompany it. The evaluation and interpretation of the test is very important. I therefore suggest that this step remains highlighted. Figures 7, 8, and 9 in the manuscript show examples of these reports and it will also be possible to create (and film) new reports in conjunction with the video recordings. Page 11, lines 441-443.

Figures 6-8. Please add additional discussion and interpretation of these results here. The criteria for a normal vHIT examination are listed in the accompanying figure legends to these figures. A clarification has been added. Page 13, lines 543-548.

Figure 9. lease add additional discussion and interpretation of these results here. An additional discussion and interpretation have been added. Page 14, lines 553-558.

aVOR. Add to the table of materials. The name of the app has been removed from the manuscript and added to the table of materials. Page 14, line 588.

RALP. Define. RALP has been defined as well as LARP in the following sentence. Page 14, lines 594-595.

Figure 5: Unclear what the x and y axes on the graphs represent. The definition of what black and red lines indicated should appear on panel a instead of e. Information about x and y axis has been added and definition of red and black lines has been moved to panel A. Page 15, lines 611-612.

Figure 6: What is on the x axis in the impulse right and impulse left plots? Thorough explanation of the two graphs has been added to the figure legend as well as a label on the x-axis within the figure. Page 15, lines 623-632.

Figure 7: This is a propriety name, do we really need it here? Please replace with a generic alternative or remove it. Name has been removed. Page 15, line 634.

Figure 7: The right posterior and left posterior plots are missing x and y axis labels. X- and y-axis labels has been added to the posterior plots.

Figure 8: This is a propriety name, do we really need it here? Please replace with a generic alternative or remove it. Name has been removed. Page 15, line 638.

Figure 9: The fonts are too small to read. I suggest splitting Fig 9 into 2 figures and increasing the size of the figures and fonts. The original figure 9 has been split into two figures. The reports from the original figure 9 has been split into both a new figure 9 (reports from vHIT system A) and a figure 10 (reports from vHIT system B). The figure legends have been adjusted accordingly. Page 16, lines 642-655.