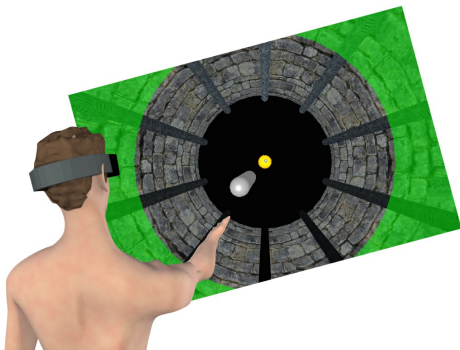
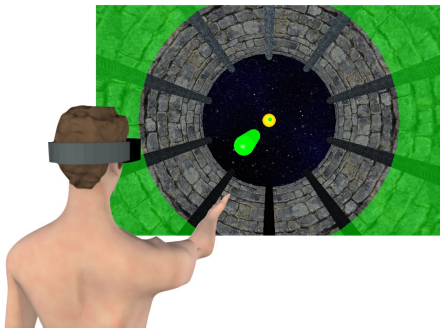
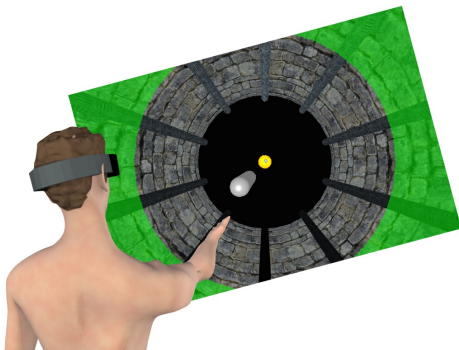
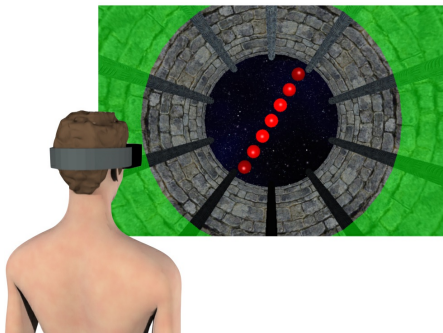


## Manual-Manual



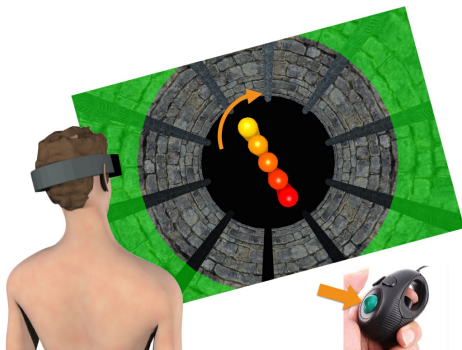
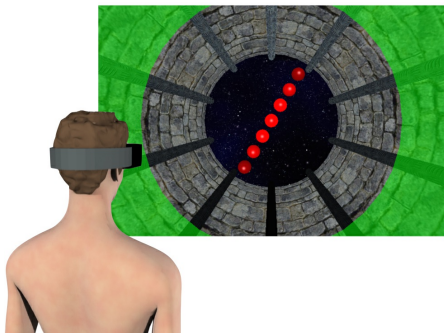
Press '**Next**' to continue.

## Visual-Manual



Press '**Next**' to begin.

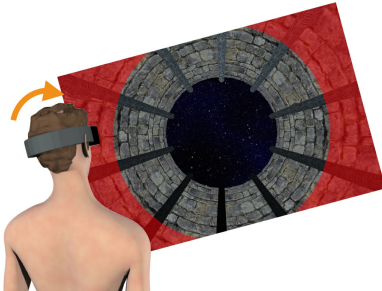
## Visual-Visual



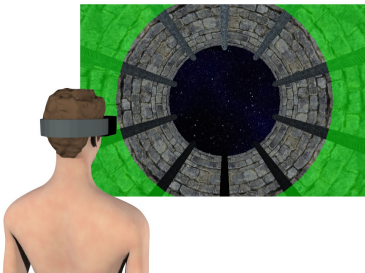
Press '**Next**' to begin.

## *Step 1: Straighten Head*

- If your head is laterally tilted with respect to the trunk, the halo will be red.

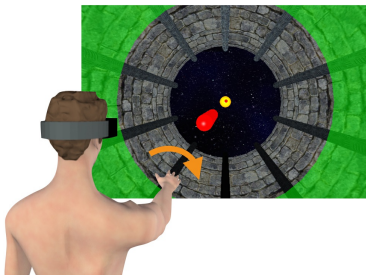


- Align the head to your body axis, this will make the halo turn bright green.

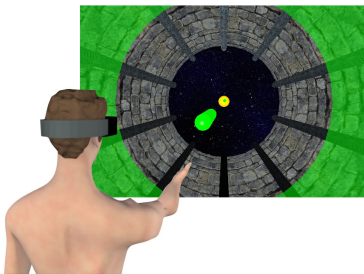


## *Step 2: Acquire Target*

- Once your head is aligned with your body, a disk-shaped target will appear. Raise your arm and point until the laser-pointer falls on the target.



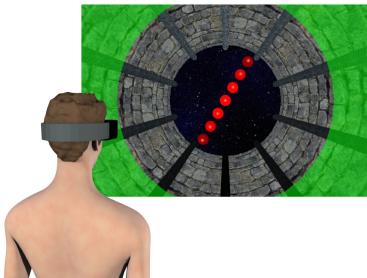
- Rotate your hand in a rolling motion around the axis of your arm until the pointer and the tool turn bright green. Memorise the corresponding hand orientation.



- When the target disappears, lower your arm to your side.

## *Step 2: Acquire Target*

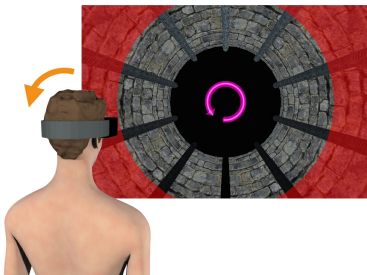
- Once your head is aligned with your body (i.e. when the halo is bright green), a line of balls will appear at the end of the tunnel, representing the target orientation.



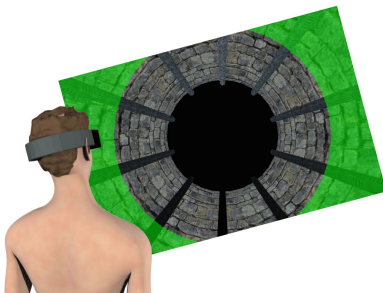
- Memorise the target orientation.

### *Step 3: Tilt the Head*

- If the tunnel turns red, you must tilt your head to a new orientation. If an arrow appears, it tells you which way to rotate the head.



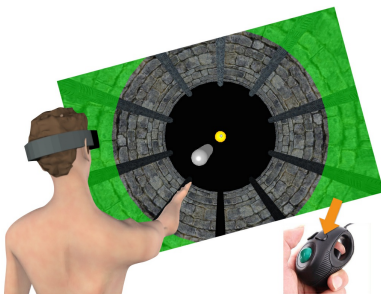
- Roll your head from side to side until the tunnel turns green.



- Hold this position.

### *Step 4: Align to Target*

- When the orange disk reappears, raise your arm and aim until the laser pointer falls on the disk.
- Rotate your hand in a rolling motion around the axis of your arm to the remembered target orientation. The hand will not change color.

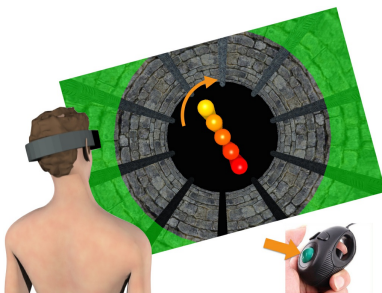


- Click on the top right mouse button to validate your response once you think your hand is aligned with the memorised target.



### *Step 4: Align to Target*

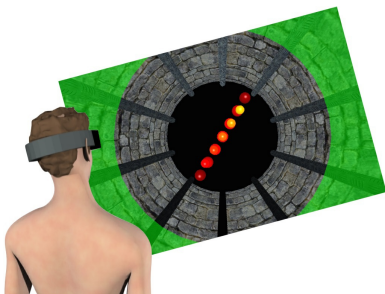
- Use the mouse trackball to align the tool to the memorised target (trackball movements to the left and right produce counterclockwise and clockwise rotations of the tool, respectively).



- Click on the right mouse button to validate your response once you think that your hand is aligned with the memorised target.

### *Step 5: Check Response*

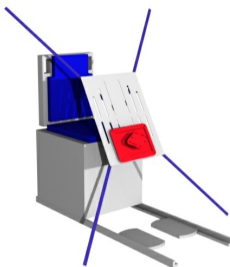
- In some of the trials a line of target balls will be projected from your hand towards the targets, allowing you to verify whether or not you correctly aligned your hand.



## Tracker Alignment

Ready to perform the alignment procedure for the 3D tracker:

- Verify that the equipment is installed as shown:



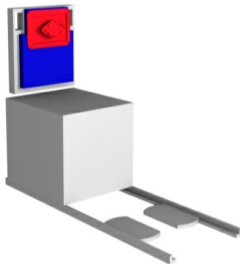
- Check that the field of view of the tracker cameras is free of obstructions.
- Confirm that the chest markers are positioned properly on the chair.

Press '**Execute**' to perform alignment.

## Tracker Alignment

Ready to perform the alignment procedure for the 3D tracker:

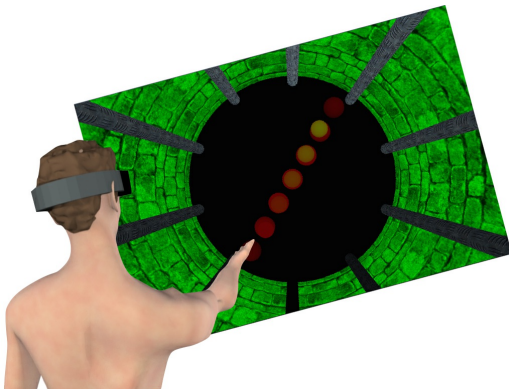
- Verify that the equipment is installed as shown:



- Check that the field of view of the tracker cameras is free of obstructions.
- Confirm that the chest markers are positioned properly on the chair.

Press '**Execute**' to perform alignment.

## *Welcome to Grasp*



In the menus to the left:

- Choose your User ID.
- Select a posture and then a protocol.
- Use the windows and buttons at the right to execute each task in order.

## Subsession Terminated



Press '**Next**' to exit.

## Action Completed with Errors



Press:

- **'Retry'** to repeat this action.
- **'Ignore'** to ignore and move on.
- **'Restart'** to restart this task or select another.

**Recommendation:** Attempt **'Retry'** no more than once or twice before consulting with POCC. **'Ignore'** and **'Restart'** should not be used without POCC authorization.

## Action Terminated



If normal exit:

- **'Next'** to continue to next step.

If error exit:

- **'Retry'** to repeat this action.
- **'Ignore'** to ignore error and move on.
- **'Restart'** to re-initiate this task or select another.

**Recommendation:** Attempt **'Retry'** no more than once or twice before consulting with POCC. **'Ignore'** and **'Restart'** should not be used without POCC authorization.



## Action Completed Normally



Press '**Next**' to continue.

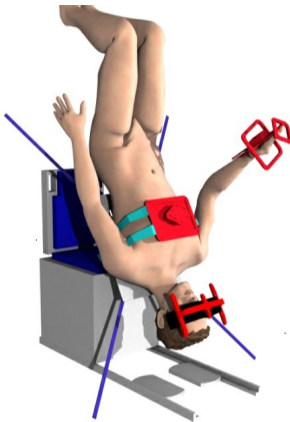
**Ready to Start**



Press '**Execute**' to continue.

## Ready to Start

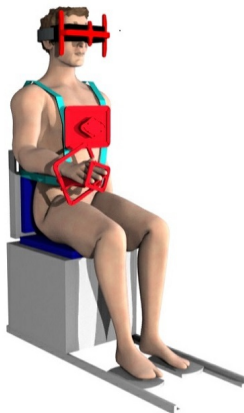
Adopt the quasi-freefloating posture with chest and hand markers attached and the HMD ready.



Press '**Execute**' then don HMD and start trials.

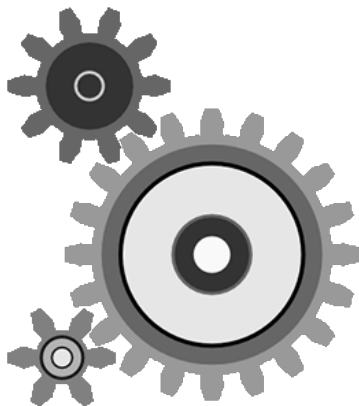
## Ready to Start

Adopt the seated posture with chest and hand markers attached and the HMD ready.



Press '**Execute**' then don HMD and start trials.

## Application Running



## Task Terminated



Press '**Next**' to proceed.