

AIRVO 2 Competency Checklist

Give your trainees this checklist at the beginning of the session, so they know what is expected of them

Trainee Name: _____ Trained by: _____

Pass / Fail (circle) _____ Date: _____ Signature of Trainer: _____

Achieved (✓ or NA)

| Experiencing the AIRVO 2: Trainee has: | |
|---|--|
| • Correctly sized the Optiflow™ cannula to achieve no more than 50% occlusion of the patient's nares | |
| • Experienced the AIRVO 2 for themselves. It is preferable that each person tries it for 2-3 minutes, to have the opportunity to acclimatize to the sensation of flow | |

| AIRVO 2 simulator App (links to the App are available on page 2): Trainee has: | |
|--|--|
| • Completed the introduction tutorial in the blue tab | |
| • Completed the oxygen tutorial in the blue tab | |

| Setting up AIRVO 2 (Tip: Use the QR code at the bottom of the page to view videos covering setup, use and reprocessing) | |
|---|--|
| Install water chamber: Trainee is able to: | |
| • Securely install the water chamber | |
| • Q: What is the most likely cause of a leak alarm? A: | |
| Connect water bag: Trainee is able to: | |
| • Successfully spike the water bag and open the vent cap | |
| Chamber water height: Trainee is able to: | |
| • Demonstrate an understanding of the importance of confirming that the water chamber does not fill above the fill line | |
| • Q: Is it ok to use saline or filtered tap water in the water chamber and why/why not? A: | |
| Install heated breathing tube: Trainee is able to: | |
| • Connect the heated breathing tube correctly | |
| • Q: What will happen if you try to use the AIRVO 2 in default (adult) mode, with a junior tube and junior cannula? A: | |



Use this QR code to view the AIRVO 2 video guide



Setting up AIRVO 2 continued...

Select patient interface: Trainee is able to:

- | | |
|--|--|
| • Select the appropriate patient interface | |
| • Q: Other than Optiflow nasal cannulas, what other types of patient interface are available for use with AIRVO 2? A: | |
| • Q: When sizing the Optiflow nasal cannula, do you need to seal (occlude) the patient's nares for the device to work and why/why not? A: | |

Using AIRVO 2

Turning the device on: Trainee is able to:

- | | |
|--|--|
| • Switch the AIRVO 2 on | |
| • Q: When you see an orange traffic light for disinfection status (when the device is starting up), what does this mean? A: | |
| • Q: What should you look for on the AIRVO 2 summary screen, before you place the patient on the treatment? A: | |

Configure target settings: Trainee is able to:

- | | |
|--|--|
| • Change the dew-point temperature setting | |
| • Change the flow setting | |
| • Complete the simulator App "speed run", level 1, in less than 45 seconds | |

Adding supplemental oxygen

Turning the device on: Trainee is able to:

- | | |
|---|--|
| • Set ("dial up") a specific oxygen fraction level | |
| • Q: How do you set oxygen fraction? Do you use an option in the AIRVO 2 menu system or do you dial up the oxygen fraction you want at the oxygen source? A: | |
| • Q: At what oxygen fraction level will the AIRVO 2 alarm, irrespective of what upper oxygen limit you have set? | |



Use this QR code to download the AIRVO 2 simulator App for **apple products**



Use this QR code to download the AIRVO 2 simulator App for **android products**

| Using AIRVO 2 continued... | |
|---|--|
| Connect the patient to the device: Trainee is able to: | |
| <ul style="list-style-type: none"> Start by explaining what your patient can expect and start them on therapy | |
| <ul style="list-style-type: none"> Q: First impressions count! When starting a patient on the AIRVO 2, for the first time, you should: <ol style="list-style-type: none"> If using a cannula (once you have sized it) let the patient put the cannula on themselves Start flow low, 20 L/min Ask them to take a big breath in, then connect them to the AIRVO 2 Let them know that the flow will feel warm, to start with, but to continue breathing normally and they will adjust quickly Using your clinical experience, what else might you do to help your patient adjust to this new therapy? <p>A:</p> | |

| Using AIRVO 2 continued... | |
|--|--|
| During use: Trainee is able to: | |
| <ul style="list-style-type: none"> Interpret the key on-screen alarms (leak, blockage, water out, oxygen too high or low etc) | |
| <ul style="list-style-type: none"> Q: What can you do for temporary relief from audible alarms? <p>A:</p> | |
| Condensation: Trainee is able to: | |
| <ul style="list-style-type: none"> Q: What should you do, when setting up the AIRVO 2, to minimize the build up of condensate in the tube? <ol style="list-style-type: none"> Place the AIRVO 2 below h_____, so that condensate can drain back into the chamber Avoid sources of cooling near the tube such as a f_____, and air c_____ unit, an open w_____ | |
| <ul style="list-style-type: none"> Q: During use, if excess condensate accumulates in the heated breathing tube, what should you do? <p>A:</p> | |

| Reprocessing procedures (cleaning and high-level disinfection) | |
|--|--|
| Identifying disposable items: Trainee is able to: | |
| <ul style="list-style-type: none"> Disassemble the AIRVO 2 and identify the consumables that need to be disposed of | |
| Cleaning and disinfection: Trainee is able to: | |
| <ul style="list-style-type: none"> Clean the outlet elbow appropriately then remove any residue, remembering to avoid cleaning the left-hand chamber port | |
| <ul style="list-style-type: none"> Wipe the outside surface of the device, then remove any residue | |
| <ul style="list-style-type: none"> Securely connect the disinfection tube including the blue filter | |
| <ul style="list-style-type: none"> Start the disinfection cycle | |
| <ul style="list-style-type: none"> Q: Why do you need to avoid cleaning the left-hand port? <p>A:</p> | |
| <ul style="list-style-type: none"> Q: What are the two ways you can store the AIRVO 2 after reprocessing, to prevent contamination? <p>A: 1. _____ 2. _____</p> | |

Recommended ways to use this checklist (do not print this page, it is for your information only)

Whenever possible follow the instructions for **OPTION A**. When you have only **10-20 minutes**, use **OPTION B**.

OPTION A: How do I use this checklist when I have 30 minutes or more?

1. Give each trainee a copy of the checklist. Let them know that they will be performing the activities soon.
2. Demonstrate device setup and use, following the checklist.
3. Divide the trainees into groups of 2 or 3, based on how many AIRVO 2 devices you have available.
4. Ask trainees to complete the checklist as a team. Encourage them to download the simulator App and view YouTube videos.
5. When time is up, review the questions with the trainees.
6. To wrap up, ask the question, "Assume that you are going to use the AIRVO 2 on a patient today. What would you like me to go over again now, to ensure that you would feel confident doing this"?

OPTION B: How do I use this checklist when I only have 10 - 20 minutes, e.g. an in-service?

1. Give each trainee a copy of the checklist so that they can follow along, as you proceed through the AIRVO 2 demonstration.
2. Start demonstrating each task on the checklist.
3. Invite each trainee to perform one of the tasks.
4. Review the questions as you go.
5. If time permits ask trainees to:
 - a. Download the AIRVO 2 simulator App
 - b. Advance to level 2 of the 'speed run'. If you are short on time, encourage them to do this later.
6. To wrap up, ask the question, "Assume that you are going to use the AIRVO 2 on a patient today. What would you like me to go over again now, to ensure that you would feel confident doing this"?