Appendix 1

 **EQUIPMENT TRAINING:**

 **Fisher & Paykell AIRVO™ 2 Nasal high Flow**

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| **Training Source**Delete as appropriate IN HOUSE, MANUFACTURER, 3rd PARTY |  Date: |
|  Staff Member:  |  Trainer: |

|  |  |
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| Element | **√** |
| Clinical application: delivers high flows of warmed, humidified respiratory gases to spontaneously breathing patients. |   |
| Discuss the adjustable temperature and flow settings:* Three Temp settings: 37°C (optimal) / 34°C (if non-compliance at 37°C) / 31°C (face masks only)
* Flow range (Adult Mode)10 - 60 L/Min in increments of 1L/Min (10-25L/Min) and 5L/Min (25 – 60L/Min
 |   |
| Demonstrate the heated breathing circuit (tube and chamber kit) |   |
| Discuss the types of patient interface: nasal cannula - medium and large  |   |
| **Setting Up:*** Ensure the AIRVO 2 is below patient head height
* Open the tube & chamber kit, remove the blue caps from the water chamber and remove the bracket holding the water supply tube
* Fit the adaptor over the two vertical ports on the chamber and install the chamber into the AIRVO2 unit
* Hang the sterile water bag and push the bag spike into the water bag port
* Open the vent cap on the bag spike to allow the chamber to automatically fill to the required level (i.e. water level should be below the fill line)
* Install heated breathing tube by lifting the blue plastic sleeve and sliding the connector onto the AIRVO2 unit. Push the sleeve down to lock
* Attach the other end of the breathing tube to the appropriate patient interface
* **Plug the power cord into the mains supply** and switch on the unit by pressing the on/off key
* Check the disinfection status (Green light = safe to use / orange light = not safe to use & requires disinfection
* The unit will warm up and the temperature, flow and oxygen values on the summary screen will pulse until they reach their target settings
* Press the Mode key to view the target settings (these are locked by default)
 |   |
| **To change the temperature setting:** Press the Mode key Hold the Up and Down keys for 3 seconds to ‘unlock’ the setting (the lock will disappear) Press the Up and Down keys to choose the new setting When set, press the Mode key again to lock the setting again |   |
| **To change the flow setting:*** Press the Mode key again to move on to the flow screen

 Hold the Up and Down keys for 3 seconds to ‘unlock’ the setting (the lock will disappear) Press the Up and Down keys to choose the new setting NB: the oxygen concentration delivered to the patient can be affected by changes to the flow setting. Adjust the level of oxygen as necessary When set, press the Mode key again to lock the setting again |   |
| **To set the oxygen:*** Connect the oxygen hose to the wall Oxygen outlet
* Adjust the level of oxygen by adjusting the AIRVO2 unit flow meter. The percentage of oxygen delivered will be displayed onscreen. It may take a few seconds for the reading to settle.
* If the set oxygen exceeds 95%, the oxygen reading will pulse red and the device will beep
* The AIRVO2 has an inbuilt ultrasonic oxygen analyser which does not require calibration, service or replacement
* Press the Mode key to return to the summary screen
 |   |
| **Connecting the patient & during therapy:*** Discuss connecting the patient when ‘ready to use’ symbol is displayed on the summary screen
* The unit displays a screensaver if no key has been pushed for 1 minute
* Do not allow the water bag and water chamber to run out of water; this can damage the chamber float
* If excess condensate accumulates in the heated breathing tube, drain by detaching the patient end from the patient interface and draining into a receptacle
 |   |
| **Alarms:*** Has visual and auditory alarms
* Visual alarms are displayed onscreen
* Auditory: 3 beeps in 3 seconds, repeated every 5 seconds. Alarm silence key mutes the alarm for 15 seconds
* Confirm audible and visual alarms
 |   |
| **Alarm limits:*** Alarm limits are pre-programmed
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| **After use:*** Switch off the unit by pressing the On /Off key
* Dispose of patient interface and tubing and chamber kit
* Decontaminate the surfaces of the AIRVO2 unit with clinell wipes
 |   |
| **Maintenance and Disinfection:*** How to change the air filter (This requires changing every 3 months or 1000 hours)
* How to clean the AIRVO2 outlet elbow between patients
* How to carry out a disinfection cycle with the disinfection tube between patients
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| **Trainer Sign-off:** Signature: Date:   **Staff Sign-off:** Signature: Date: ***(I have received adequate training to use this equipment safely)*****Further information and training videos are available on fphcare.co.uk** |