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 |  |
| **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** |