**SDC 2: Pre-patient Educational Goals with Training Modality**

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| Topic | Educational Goal | Training Modality  Simulation = S  Instructor-led = I  Online = O  Online with lab = OL  Skills testing – ST  In-home training = IHT |
| Mechanical ventilation | Understand patient-specific settings, tubing configuration, electrical power options, and emergency preparedness. | I |
| Ventilator alarm response | Identify normal limits, over/under ventilation, and proper response to ventilator alarms. | I |
| Monitors | Demonstrate proper application and response to all monitor alarms. | S, O |
| Resuscitation bag | Demonstrate manual ventilation. | S, I, O, ST |
| Airway suction | Assemble suction devices, perform proper and safe suction technique, and troubleshoot suction devices. | S, OL |
| Tracheostomy tubes | Under supervision, perform trach cares/change. | S, OL |
| Emergency trach tube change | Using a simulator, perform an emergency trach tube change and understand the use of a smaller backup trach. | S, OL |
| Oxygen systems | Identify how to apply and adjust oxygen flow, replace an empty oxygen cylinder, and understand oxygen safety. | OL, ST |
| Airway humidity | Assemble the humidity system, demonstrate how to safely remove condensation from the ventilator tubing circuit, and identify when humidity is critically low. Demonstrate use of HMEs. | OL, O |
| Infusion therapy | Demonstrate competency in infusion therapy related to patient-specific care plan. | I, IHT |
| Feeding systems | Understand nutrition and formula specifications, food pumps, feeding tube cares/maintenance/troubleshooting. | OL, ST |
| Emergency action plan | Recognize response to emergencies: severe weather, smoke, CO detector alerts, and extended power outages. | IHT |
| Simulation | Using simulation with high and/or low fidelity simulators, perform return demonstration of basic skills involving patient assessment and device alarm response. | Enrolled after completing O and OL |

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