		COMPETENCY								
	DEDECOMANICE CRITERIA	SELF-ASSESSMEN	ESSMENT	ACTION PLAN	TARGET DATE	EVALUATION			COMP. VERIF.	
PERFORMANCE CRITERIA		Competent	Needs More Experience	Specify: * Clinical * Skills Lab * Classroom Experience		Post- Test	Verbal Review	Return Demon- stration	Date & Evaluator or Preceptor Initials	
1. Rea	r Panel									
Explai	Explain features on back of LifePulse									
2. The	5 Subsystems – Provide an overview of:									
1.	Controls									
2.	Monitor									
3.	Alarms									
4.	Humidification									
5.	Patient Box									
Explai	n 3 reasons for using a background CV									
1.	PEEP (maintains alveolar inflation)									
2.	Background IMV (gentle recruitment breaths)									
3.	Fresh gas for spontaneous breaths									
Discus	s advantages of CV with HFJV									
1.	Open lungs with gentle recruiting "sigh" breaths									
2.	Keep lungs open with optimal PEEP									
3.	Can open and stabilize lungs with less MAP than HFOV									

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3. Install circuit correctly									
Demonstrate and discuss the TEST procedure * Show a passed TEST * Show a failed TEST * Show Operational Test (PEEP = 0 cm H ₂ O)									
4. LifePort Adapter Describe features and benefits 1. Allows a CMV to be used in tandem with HFV 2. Accelerates gas into airways with small VT									
Demonstrate procedure for attaching the LifePort									
5. WhisperJet Patient Box Discuss how the pinch valve creates HFV breaths Explain how pressure monitoring works									

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6. Control Section									
Explain why the default settings were selected									
Describe the start-up procedure:									
1. Starting "recipe"									
2. Pulse interruptions									
3. How to choose a background CMV rate									
7. Monitor Section									
Explain Servo and why and how it changes									
Discuss the differences between HFV pressure displays and CV pressure settings									
Demonstrate how to adjust alarm limits around MAP and Servo									
8. Patient Management									
Discuss how to manage ventilation and oxygenation									
Demonstrate how to make changes on CV and HFV									
Explain why settings would be changed									
* HFV = Ventilation; CV = Oxygenation									

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9. Alarms										
Differentiate between alarms caused by the LifePulse and alarms caused by the patient										
Differentiate between alarms that stop the LifePulse and those that allow it to continue operating										
Explain the most common cause of alarms (LifePort)										
Explain Battery alarms (see User Manual for details)										
Explain under what conditions the Servo will lock										
Describe prioritized alarms and lamp display										
10. Humidification										
Trace the gas flow through the cartridge and circuit										
Explain the feedback control system that regulates humidification and temperature of inhaled gas										
Describe over-, under-, and proper humidification										
Review appropriate temperature settings (leave the Gas Temp at 40°; lower the Water Temp as necessary to reduce over-condensation)										

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11. Suctioning Demonstrate the method of suctioning the patient									
12. Weaning									
Explain how to transition a patient from the LifePulse to CV or to a NIV									
Discuss why one should avoid weaning too fast									
Describe how to make a smooth transition from the LifePulse to NIV									
13. Patient Selection Criteria									
Describe indications for using the LifePulse as established by our NICU staff									
14. Support									
Recite the Bunnell Hotline number (800-800-4358)									
Recite the Bunnell website (<u>www.bunl.com</u>)									