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Operating Instructions for the LTV 1200 MRI Ventilator	Effective: 10/15/15 Revised: 06/27/18 Reviewed: 08/22/23

Operating instructions for the LTV 1200 MRI Ventilator

Purpose

To provide guidelines for the use of the LTV 1200 ventilators for MRI.

Scope

The MR Conditional LTV 1200 ventilator is intended to provide continuous or intermittent ventilator support for the care of the individuals who require mechanical ventilation during MRI.

Accountability:

Ventilator adjustments/management is limited to the following individuals: Licensed RCPs who have undergone training and competency evaluations of the LTV 1200 with understanding of age specific requirements of patient populations, and Faculty physicians and or fellows who have undergone training and competency evaluations of the LTV 1200.

Special Considerations: The LTV 1200 is **MRI conditional**. The ventilator must remain 9 feet away from the MRI core at all times. A 15 foot disposable patient circuit must be used.

Equipment and Supplies

- One MR Conditional LTV 1200 Ventilator
- One 15ft disposable circuit.
- Bacteria Filter

Procedure

Step	Action
1	Intubated patients will be transferred to the LTV 1200 ventilator before entering the MRI suite.
2	To begin setup of the LTV 1200 MRI ventilator attach the power cord with ground to a 115 volt 60 cycle AC electrical outlet.
3	Attach the oxygen hose to 50psi oxygen wall source.
4	Connect the 15ft disposable circuit to the ventilator.
5	Hold down the On/Standby button and the Select button simultaneously.
6	Next will appear in the display window. Turn the set value knob until Leak test is displayed.
7	With a clean gloved hand occlude the proximal end of the patient circuit.
8	Press the Select button. Remove Ptnt is flashed in the display window and an audible alarm will sound.

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9	Press Silence Reset alarm to clear the alarm and start the leak test.
10	After several seconds the display shows Leak xx.x Pass or Leak xx.x Fail .
11	If the leak test fails please refer to the ventilator manual for troubleshooting.
12	If the test passed, press the Select button and turn the Set Value knob until Exit is displayed and press the Select button to restart the ventilator.
13	Same Patient will be displayed. Use the Set Value knob to scroll to New Patient . Press Select .
14	Choose appropriate patient type (Adult, Pediatric or Infant) and press Select .
15	The ventilator will begin ventilating at the defaults for the selected age group.
16	Adjust mode and parameters as necessary.
17	Set alarms as appropriate.

Infection Control

Follow procedures outlined in Healthcare Epidemiology Policies and Procedures #2.24; Respiratory Care Services.

<http://www.utmb.edu/policy/hcepidem/search/02-24.pdf>

References

LTV 1200, 1150 Ventilator, and MR Conditional LTV 1200 System Operators Manual (Version A, ECO 82749, Revised June 2014)

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