

	1761	CCP Transport Ventilators
Nor-Cal EMS Policy & Procedure Manual	Treatment Guidelines	
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Approval: Jeffrey Kepple MD – MEDICAL DIRECTOR	SIGNATURE ON FILE	

Authority

Health and Safety Code Division 2.5, California Code of Regulations, Title 22, Division 9, Chapter 4, Article 2.

Purpose

To provide a mechanism for Critical Care Paramedics (CCPs) to use, monitor and adjust Automatic Transport Ventilators (ATV's) during interfacility transfers.

- ONLY** for NorCal EMS Agency accredited CCPs who have successfully completed training program(s) approved by the Nor-Cal EMS Agency Medical Director.
- ONLY** for CCP ambulance provider agencies approved by the Nor-Cal EMS Agency.
- CCPs will not initiate ventilator support.**

Policy

1. VENTILATOR REQUIREMENTS

The ventilator that the Provider is to use must be able to match the existing ventilator settings and shall include the following minimum device features (including circuit):

- Modes:
 - Assist Control (AC)
 - Synchronized Intermittent Mandatory Ventilation (SIMV)
 - Controlled Mechanical Ventilation (CMV)
 - Set rate of ventilations
 - Adjustable delivered tidal volume
 - Adjustable FiO2
 - Positive End-Expiratory Pressure (PEEP)
 - Adjustable Inspiratory and Expiratory ratios (I:E ratio)
 - Peak airway pressure gauge
 - Alarms:
 - Peak airway pressure
 - Disconnect
2. Providers approved for use of this equipment must follow the manufacturer's instructions regarding the use, maintenance, cleaning, and regular testing of this device. At minimum, ATV equipment shall undergo preventative testing and maintenance by qualified manufacturer's representative personnel or designee annually.
 3. CCP's must be thoroughly trained and regular retrained in the device's use. Such training shall occur no less than annually and shall be documented.
 4. All calls will be audited by the ambulance provider agency and by the transferring hospitals. Audits will assess compliance with physician orders and regional protocols, including base hospital contact in emergency situations. Reports will be sent to Nor-Cal EMS as requested.

Signed transfer order from the transferring physician must provide for maintaining and adjusting ventilations via ATV settings during transport.

Prior to transport confirm:

- Ventilator support must be regulated by an ATV familiar to the CCP.
- Sufficient oxygen and narcotic supply for duration of transport SHALL be calculated and confirmed prior to transport.
- Transferring physicians must be aware of the general scope of practice of paramedics and the transport protocol parameters outlined below.
- Signed transfer orders from the transferring physician will be obtained prior to transport and reviewed with the transferring CCP- MUST provide for maintaining and adjusting:
 - Ventilations via ATV settings during transport.
 - Appropriate patient sedation throughout the transfer.
- Transport orders must provide for maintaining and adjusting ventilations via ATV settings during transport.
- Consideration of application of 4 point soft restraints, and CCP Sedation/Agitation policy should be discussed with transferring physician prior to transport.

Required during transport:

ECG, SpO₂, ETCO₂, Blood Pressure, and vital signs documented at a minimum of every 5 minutes.

ATV initial settings and any subsequent changes shall be documented on PCR.

Endotracheal tube placement shall be checked after each patient movement and documented on PCR.

If an ATV failure occurs and cannot be corrected- The CCP is to discontinue use of the ATV and initiate ventilation by bag valve mask and make transferring physician contact immediately.