


MEDICATION ADMINISTRATION - METERED DOSE INHALER (MDI) AND SPACER DEVICE

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Approval: Corey Petrie, Interim Regional Manager, Centre for Prehospital Care & Trauma Services	Frequency: As required.	
Signature:		

Purpose: To ensure a consistent standardized practice for administering medications via metered dose inhaler (MDI) and spacer device.

	Content	Details
1.	Ensure that the patient qualifies for the appropriate medical directive or contact a Base Hospital Physician (BHP) for further direction.	
2.	Communicate the need for the medication, and its effects to the patient/family member whenever possible.	
3.	Check medication for proper labelling and for an expiry date.	
4.	Refer to the correct medical directive for correct dosages.	
5.	Remove the cap of the MDI.	
6.	Shake the MDI 5 – 10 times (5 seconds) to pressurize the canister and mix the medication with the propellant. Turn the MDI away from the patient and others and waste the first puff. Re-shake the MDI 5–10 times (5 seconds).	
7.	Insert the MDI canister into the spacer device.	
8.	Have the patient seal their mouth around the opening of the spacer chamber. If the patient is unable to seal their mouth around the spacer chamber, affix the appropriately sized universal mask to the spacer chamber. Seal the universal mask over the patient’s nose and mouth.	
9.	Have the patient exhale.	The patient’s mouth remains affixed to spacer chamber or universal mask.
10.	Spray the MDI once.	
11.	Coach the patient’s breathing; encourage them to take four (4) breaths in-and-out while the chamber to mouth/face seal is maintained if possible. Do not remove the MDI from the chamber until all four (4) breaths have been taken.	This is important to ensure that the patient successfully inhales all of the medication.

	Content	Details
12.	Re-shake the MDI canister 5 – 10 times (5 seconds) between each administration. This allows for adequate re-actuation of the MDI for the next puff.	
13.	Assess the patient closely for any change in condition following medication administration.	
14.	Discontinue the medication if adverse effects occur or as directed by a BHP.	
15.	Document the procedure on the patient care record as per the Ministry of Health and Long Term Care Emergency Health Services Branch Ambulance Call Report Documentation Standards and your Service Provider policy which includes: <ul style="list-style-type: none"> • name of the medication • dose and concentration of the medication • time of the administration • route/site of administration 	
16.	Document patient condition before and after the medication administration.	This includes vital signs, SPO2 & auscultation.

Expected Outcome: Successfully performs the medication administration via the metered dose inhaler (MDI) and spacer device