

MEDICATION ADMINISTRATION – METERED DOSE INHALER (MDI) AND BAG-VALVE-MASK (BVM)

Document Owner: C. Sohm **Program/Service Area:** Centre for Prehospital Care **Issue Date:** April 2009

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Approval: Chair, CPC Program Council : Corey Petrie **Frequency:** As required.



Signature:

Purpose: To ensure a consistent standardized practice for administering medications via metered dose inhaler and bag-valve-mask.

Content (Task / Activity)	
1.	Ensure that the patient qualifies for medication administration via the MDI BVM route or contact a Base Hospital Physician (BHP) for further direction.
2.	Communicate the need for medication administration, and its effects to the patient and family members and obtain consent whenever possible.
3.	Remove the cap of the MDI
4.	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 discharge 4 sprays into the air.. Re-shake the MDI 5 – 10 times (5 seconds).
5.	Insert the MDI canister into the MDI port of the BVM or the MDI adapter.
6.	Assist the patient's ventilations with BVM, ensuring a proper seal around the patient's mouth and nose.
7.	Spray the MDI once as per manufacturer recommendations.
8.	Ventilate the patient approximately 4 times between sprays.
9.	Re-shake the MDI canister for 30-60 seconds or follow manufactures directions between each administration. This allows for adequate re-actuation of the MDI for the next puff.
10.	Repeat the above steps for subsequent puffs until the appropriate dose of the medication is delivered as per the medical directive. Discontinue the medication if adverse effects occur, or as directed by the BHP.
11.	Document the medication administration 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 administration • route of administration
12.	Document patient condition before and after medication administration

Expected Outcome: Successfully perform medication administration via metered dose inhaler and bag-valve-mask.