

Michigan
Pediatric Treatment Protocols
PEDIATRIC BRONCHOSPASM

Date: November 15, 2012

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Pediatric Bronchospasm

Pre-Medical Control:

MFR/EMT/SPECIALIST/PARAMEDIC

1. Follow **Pediatric Assessment and Treatment Protocol**.

MFR/EMT/SPECIALIST

2. Assist the patient in using their own Albuterol Inhaler, if available

EMT/SPECIALIST

3. Albuterol may be indicated. Refer to **Nebulized Bronchodilators Procedure**.
4. Consider CPAP, if available, per **CPAP/BiPAP Procedure**.
5. In cases of severe respiratory distress/failure:
 - A. If child appears to weigh less than 10 kg (approx. 20 lbs.), contact medical control prior to epinephrine if possible.
 - B. If child weighs between 10-30 kg (approx. 60 lbs.); administer Epi-Pen Jr.
 - C. Child weighing greater than 30 kg; administer Epi-Pen.

PARAMEDIC

6. Per MCA selection, administer Bronchodilator per **Nebulized Bronchodilators Procedure**.
7. Per MCA selection, if a second nebulized treatment is needed also administer Prednisone **OR** Methylprednisolone.

<p><u>Medication Options:</u></p> <p><u>Prednisone</u> 50 mg tablet PO (Children 6 and above, if tolerated)</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><u>Methylprednisolone</u> 2 mg/kg IV/IO, (maximum dose 125 mg)</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>

8. If patient is in severe respiratory distress/failure:
 - A. If child appears to weigh less than 10 kg (approx. 20 lbs.), contact medical control prior to epinephrine if possible.
 - B. If child weighs between 10- 30 kg (approx. 60 lbs.); administer Epinephrine 1:1000, 0.15 mg (0.15 ml) IM OR via Epi-Pen Jr., if available.
 - C. Child weighing greater than 30 kg; administer Epinephrine 1:1000, 0.3 mg (0.3 ml) IM OR via Epi-Pen if available.

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9. Consider CPAP/BiPAP (if available) per **CPAP/BiPAP Procedure**.

Post -Medical Control:

1. Consider additional Epinephrine 1:1000, 0.01 mg/kg (0.01 ml/kg) IM, to a maximum dose of 0.3 mg (0.3 ml).

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