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Management of Bronchiolitis in Infants

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Co-issued by Paediatric Medicine and the Division of Paediatric Emergency Medicine.

Introduction

Bronchiolitis is an acute inflammatory disease of the lower respiratory tract, resulting from obstruction of small airways. It is initiated by infection of the upper respiratory tract by any one of a number of seasonal viruses, the most common of which is respiratory syncytial virus (RSV).

Previous confusion around the clinical management of infants with bronchiolitis has improved with the creation and integration of clinical practice guidelines. Typical bronchiolitis in infants is a self-limited disease, usually due to an acute viral infection whose clinical course is not generally altered by aggressive evaluations/interventions, use of antibiotics, or other therapies. Young infants and those in high-risk categories are at higher risk of requiring admission. RSV immunization reduces the rate of hospitalization.

Several studies on the use of clinical guidelines for the management of infant bronchiolitis have shown a reduction in unnecessary resource utilization with a streamlining of medical care for these infants.

Objectives

In the target population, the objectives of this guideline are to:

- decrease the use of unnecessary diagnostic studies;
- decrease the use of medications;
- provide guidance on the use of appropriate respiratory therapy;
- improve the rate of appropriate admission;
- improve the use of appropriate monitoring activities; and
- decrease length of stay.

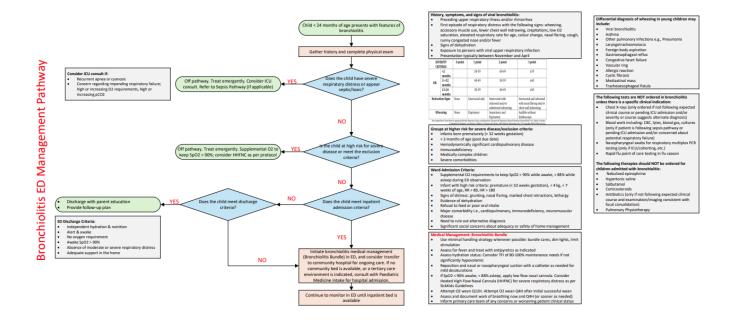
Target Users

Include, but are not limited to:

- Emergency Medicine physicians, nurses, nurse practitioners, and trainees
- Inpatient physicians, nurses, nurse practitioners, and trainees
- Respiratory Therapists
- Pharmacists
- Patients and families

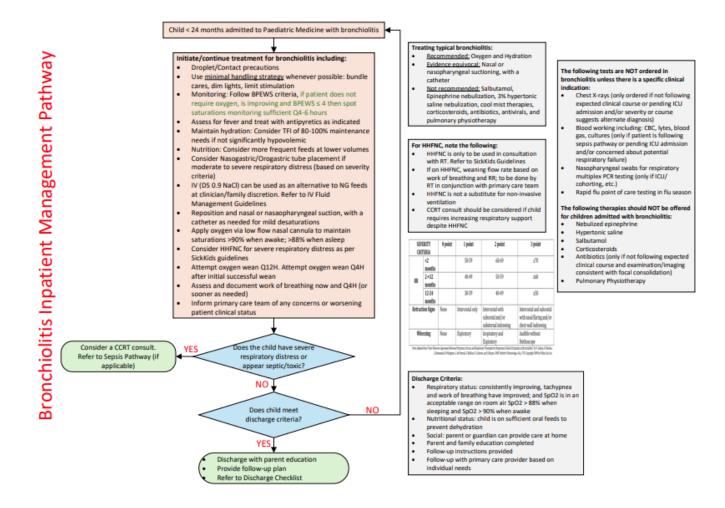
Clinical recommendations summary table

ED Management Recommendations



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Inpatient Management Recommendations



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Evaluation Plan

· Ongoing monitoring of bronchiolitis pathway adherence.

References

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Attachments:

Clinical Recommendations.pdf

Discharge Checklist Bronchiolitis June 29.docx

ED pathway.pdf

Inpatient pathway.pdf