



RESEARCH ARTICLE

Use of the evidence-based guidelines for management of bronchiolitis

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Abstract

Background: The aim of this study was to analyze the medical care of children <5 years of age with acute bronchiolitis in relation to the most relevant practices of evidence-based guidelines for bronchiolitis.

Methods: We reviewed the charts of 197 hospitalized infants with acute bronchiolitis during 2012 to 2013 to analyse whether the guideline recommendations were used according to: American Academic of Pediatrics (AAP), Scottish Intercollegiate Guidelines Network (SIGN), Sector Salud México (SS), and Guía Práctica Clínica Bronquirolitis, España (GPCBA).

Results: We evaluated 197 patients attended by 49 pediatricians. Of the recommended actions, in 110 patients (55.8%) aspirate secretions were indicated, 105 patients (53%) received supplemental oxygen and 63 patients (31.9%) used inhaled hypertonic solution. Non-recommended actions were carried out in 166 patients (84%) who received inhaled bronchodilators, 143 patients (72%) who inhaled steroids, 110 patients (55.8%) who were prescribed antibiotics, 76 patients (38%) who had nebulization and 52 patients (26.3%) were administered systemic steroids. Physicians with <10 years of expertise prescribed more systemic steroids.

Conclusions: Despite the dissemination of good clinical practice guidelines for the management of acute bronchiolitis, its adoption has not been totally completed.

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