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Management of Paediatric Asthma Exacerbation in the emergency department

Asthma is a complex genetic and environmental disease, it is the most common chronic disease of childhood and the most frequent cause of childhood disability, affecting 7.1 million (9.6% of) children in the USA. Nearly 60% of children with asthma have one or more acute exacerbations each year, Exacerbations are highest in young children, and decrease with age.

Acute exacerbations are not entirely predictable and may occur in any patient with asthma. Moreover, any severe acute exacerbation may progress to life-threatening respiratory failure. Clearly, Acute asthma exacerbations largely preventable and an indicator of poorly managed disease. And exacerbations are a significant public health burden. ED clinicians need to be skilled in assessment and management of acute exacerbations and in assuring that affected children have appropriate followup for prevention of future episodes.


Acute exacerbations are a significant burden to patients and to public health. So Optimal assessment and management of exacerbations, including appropriate escalation of interventions, are essential to minimize morbidity and prevent mortality.

Objective: The goal of this presentation is to review available modalities for assessing and managing acute asthma exacerbations in pediatric patients.

Speaker Biography

Fadi Ata Almhadin is a pediatric consultant at Burjeel Hospital, Abu Dhabi. He graduated from Jordan University of Science and Technology, then completed training in pediatric and neonatology in Queen Rania AL Abdallah hospital for children in Jordan to become board certified. He then completed his training in pediatric pulmonology and achieved his fellowship in pediatric pulmonology, He has more than 14 years' experience in pediatrics with special interest in care for children with respiratory diseases mainly Cystic Fibrosis, Bronchial Asthma. Fadi Ata Almhadin is currently working in United Arab Emirates as pediatric Consultant.

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