

MEETING ABSTRACT

Open Access

Wheezing/asthmatic children: profile of children attended in the emergency department of the Hospital Geral de Nova Iguaçu (HGNI), Nova Iguaçu, RJ, Brazil

Sylvia Gabriella Maia Araújo^{1*}, Gisele Cardoso Nery¹, Daniella Mouta Dos Santos Silva¹, Raphael Coelho¹, Gustavo Henrique De Martin Ballini¹, Aniele Soares Moritz¹, Luiz Gustavo Bernardo De Oliveira¹, Sérgio Duarte Dortas Junior^{1,2}

From 3rd WAO International Scientific Conference (WISC) 2014
Rio de Janeiro, Brazil. 6-9 December 2014

Background

Asthma is a chronic inflammatory disease of the lower airways, where episodes of wheezing are common causes of morbidity in the pediatric population.

We aim to describe the profile of pediatric patients treated at a regional reference emergency department (ED) with bronchospasm (CID: J45 and J42) from January 2008 to March 2014.

Methods

A descriptive, cross-sectional study with retrospective data collection from children attended at our ED. Analyzed parameters: age, race, sex, crisis type, medications, hospitalization time, readmission and complications.

Results

Data from 145 patients ranging from 7 days to 12 years, predominantly in patients less than 3 years (60%) were collected. Predominated (53.79%) were male. Regarding race, 72.4% brown, 20% white and 7.6% black. Mean hospitalization time was 4.5 days. Regarding the severity of the exacerbations, 60% of light /medium, 39% of severe attacks and 1% respiratory arrest imminent attacks. There were 21 cases of readmission (14.48%). The main associated complication has been pneumonia (27.59%). The most common treatment (17.24%) was Hydrocortisone associated with nebulized using bronchodilators.

Conclusions

Our study shows a prevalence of wheezing attacks on male children under 3 years old, as described by other authors. We consider indispensable to educate parents and caregivers about the importance of prevention of Asthma. Thus avoiding readmission, as seen in our population ($\approx 30\%$).

Authors' details

¹Universidade Iguaçu, Brazil. ²Hospital Universitário Clementino Fraga Filho Hucff-Ufrj, Brazil.

Published: 8 April 2015

doi:10.1186/1939-4551-8-S1-A100

Cite this article as: Araújo et al.: Wheezing/asthmatic children: profile of children attended in the emergency department of the Hospital Geral de Nova Iguaçu (HGNI), Nova Iguaçu, RJ, Brazil. *World Allergy Organization Journal* 2015 **8**(Suppl 1):A100.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



¹Universidade Iguaçu, Brazil

Full list of author information is available at the end of the article