



POSTER PRESENTATION

Open Access

# Kawasaki disease in a northern region of Italy

Elena Corinaldesi<sup>1\*</sup>, MFabi<sup>2</sup>, G Savorelli<sup>2</sup>

From 18th Pediatric Rheumatology European Society (PReS) Congress  
Bruges, Belgium. 14-18 September 2011

## Objective

To examine the patient characteristics, diagnostic criteria, treatment, complications and outcomes of Kawasaki disease (KD) in a cohort of patients of two pediatric hospitals of Emilia Romagna from 2000 to 2010.

## Methods

Retrospective study: 26 patients diagnosed with complete or incomplete KD. Clinical and outpatient statuses were collected.

## Results

Male-to-female ratio was 1 to 1. Median age at onset: 35,8 months (2-101 months); children < 6 months: 23%. Complete KD: 73%. Age was not significant different between complete and incomplete KD.

Season of Onset of disease : winter in 35%, spring 31%, summer 11%, autumn 23%. Diagnostic signs: iperemic conjunctivitis and mucositis in 92% of pts, cutaneous rash in 88%, linfoadenopathy in 54%, alterations of extremities in 50%, desquamation of extremities in 58%; adjunctive signs: perineal dermatitis in 30% and diarrhea in 42%.

7 pts (5 boys) developed coronary involvement (group1): markers of inflammation and age at onset were not significantly different between group 1 and group 2 (without cardiac abnormalities). 28% of pts in group 1 was responder to therapy versus 47% in group 2. Coronary involvement regressed in all but 2 pts (both received late treatment).

## Conclusions

Male gender and late start of treatment were shown to be independent risk factors for developing coronary involvement, while younger age and incomplete form were not.

Late intravenous immunoglobulins seems to be risk factor for persistence of coronary aneurysm, but the small number of patients limits us to have definite conclusions .

## Author details

<sup>1</sup>Department of Pediatrics, Carpi, Italy. <sup>2</sup>Department of Pediatrics, Bologna, Italy.

Published: 14 September 2011

doi:10.1186/1546-0096-9-S1-P81

Cite this article as: Corinaldesi et al.: Kawasaki disease in a northern region of Italy. *Pediatric Rheumatology* 2011 **9**(Suppl 1):P81.

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](http://www.biomedcentral.com/submit)



\* Correspondence: [elcorinaldesi@yahoo.it](mailto:elcorinaldesi@yahoo.it)

<sup>1</sup>Department of Pediatrics, Carpi, Italy

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