Current status of diagnosis and treatment of children with comunity acquired pneumonia (CAP)



Criteria for pneumonia



in Europe. CAP-PRI* survey

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Background

CAP is a common and potentially serious illness in European countries. Case definitions for CAP are not standardized.

Aim of study



Chest X-ray is indicated



CBC

Follow-up chest X-ray



One responded centre doesn't use follow-up chest X-ray

Diagnostic tests in use

(complete blood count)		100%
PP (C-reactive protein)	920/2	

To review the current status of the availability and usage of the guidelines in diagnose and treatment of CAP in European countries.

Methods

The questionnaire developed by the members of CAP-PRI was distributed to 22 centres in 20 European countries and 18 returned questionnaires from 16 countries (Lithuania, Latvia, Estonia, Belarus, Israel, Spain, Italy, Romania, Greece (3), Croatia, Portugal, Bulgaria, Slovenia, Ukraine, Slovak Republic and United Kingdom) were analysed.

Results

All of 16 responded countries reported available CAP guidelines.

Conclusions



Outpatient treatment of pneumonia (first line)**



**Some participating centres use more than one antibiotic

Outpatient treatment of pneumonia (second line)**



**Some participating centres use more than one antibiotic

Treatment of pneumonia in hospital (first line) **

Our survey revealed the great variety of clinical and laboratory criteria in diagnosing and treating of CAP. In some countries different guidelines vary by region, or even by hospital. This heterogeneity may reflect differences in epidemiology and, in particular antibiotic resistance rates, but studies are now needed to assemble evidence on this. These data should be considered while conducting studies looking for the impact of pneumonia preventable vaccines or effectiveness of treatment.

* CAP-PRI – Community Acquired Pneumonia Paediatric Research Initiative is an international working group of members of ESPID, initiating and co-ordinating research in the area of childhood pneumonia.

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**Some participating centres use more than one antibiotic

Treatment of pneumonia in hospital (second line) **



**Some participating centres use more than one antibiotic