Drug intolerance among young Poles

Contact:
Radoslaw.Spiewak@plusnet.pl
www.RadoslawSpiewak.net
www.DermatologyInstitute.eu

1. Increasing drug consumption in Poland
Poland is one of the fastest growing markets of drugs, and it is predicted that this trend will continue in future years.

2. Study settings
During a nationwide study of vocational students’ health status, history of drug intolerance was collected in a random sample of 134 students aged 16-23.

3. Methods
The physician-administered questionnaire included the question “Have you ever had adverse reactions after taking any medicine?”

4. Methods (cntd)
- skin prick test with common allergens
- total IgE level
- Phadiatop
- medical examination for asthma, allergic rhinitis, dermatitis, and urticaria

5. Results
13 persons (9.7%, 95%CI: 4.7-14.7%) reported episodes of drug intolerance ever in their lives.

6. Results
We were not able to identify any risk factor for drug intolerance among atopy markers, allergic disease and gender.

Analysed possible risk factors:

<table>
<thead>
<tr>
<th>Intolerance to...</th>
<th>Female gender</th>
<th>History of asthma</th>
<th>History of dermatitis</th>
<th>History of allergic rhinitis</th>
<th>Phadiatop positive</th>
<th>Total IgE &gt; 120 kU/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>all drugs</td>
<td>p=0.08</td>
<td>p=0.13</td>
<td>p=0.19</td>
<td>p=0.51</td>
<td>p=0.75</td>
<td>p=1.00</td>
</tr>
<tr>
<td>antibiotics</td>
<td>p=0.30</td>
<td>p=0.07</td>
<td>p=0.27</td>
<td>p=1.00</td>
<td>p=0.47</td>
<td>p=1.00</td>
</tr>
</tbody>
</table>

Conclusion:
5-15% of young adults in Poland have had at least one episode of drug intolerance.