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### The pharyngeal inflammation etiology in children

The indication for systemic antibiotic prescription in tonsillopharyngitis patients is  $\beta$ -hemolytic *Streptococcus A* ( $\beta$ hGAS) infection. In ambulance, the frequency of systemic antibiotic drugs (SAD) usage is pretty much more than  $\beta$ hGAS determination frequency. The aim of our research was the pharyngeal inflammation etiology updating. Twenty patients with acute tonsillopharyngitis (ATF) (11) and chronic tonsillitis aggravation (CTA) (9) were under our observation. The Streptatest and complex microbiological (bacteriological and virological) examination were done in all cases. The rhino-, adeno-, RS-, parainfluenza, metapneumo-, herpes simplex, cytomegalo-, and Epstein-Barr viruses were chosen for detection. The 11 patients with ATF were in the age group of one to 15 years old (the mean age is  $4.27 \pm 0.7$ ), the girls and boys correlation was 8:1. The nine patients with CTA were in the age group of 11 to 17 years (the mean age is  $15.9 \pm 0.8$ ), the girls and boys correlation was 4:7. The Streptatest results were negative in 90% cases (in all cases of CTA and in nine from 11 patients with ATF). The bacteriological investigations have confirmed only one case (5%) of  $\beta$ hGAS ATF, in another 5% (one case) was revealed *Streptococcus mitis* (false-positive Streptatest). The etiology of CTA was bacterial (non- $\beta$ hGAS) in most (seven from nine) cases and bacterial-viral (herpes-viruses) in other two cases. The most often etiology of ATF was viral (non-herpes-viruses) (six from 11 cases) and bacterial (three cases from 11) and viral-bacterial (two cases from 11). Only one case of  $\beta$ hGAS ATF was confirmed. According to our data the necessity of SAD is 5%.

### Biography

Elena Radtsig has completed her PhD from Russia State Medical University (Russian National Research Medical University now) and Post-doctoral studies from the same university. She is working as a Professor, works at ENT-Pediatric Department of Pirogov Russian National Research Medical University. She has published more than 199 papers in reputed journals and has been serving as an Editorial Board Member of reputed *Pediatrics journal* named after G N SPERANSKY".

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