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### The phonatory disorders in speaking and pre-speaking children

The main tool for interpersonal relationships is speech. It coincides closely with voice quality. The main aim of our investigation was the estimation frequency and reasons of phonatory disorders (PD) in speaking and pre-speaking children. Four hundred and thirty eight children of the age group of one month to 17 years old were under our estimation. The ENT-endoscopy and voice quality estimation were performed in all cases. Different PD was revealed in 120 children (27.4%), boys are predominated (52.5%). One parameter of voice was changed in most cases (92.6%) (Isolated disorder), but in 7.4% cases-two voice parameters (multi-disorder). Patients/parents have complained on voice quality in 79% cases only. The leading disturbance was tone quality disorder (75.8% in total, dysphonia in 75.2% and aphonia in 0.6%), the next one (15.8%) - resonance disorder (hyponasality in all cases), the loudness alteration in 0.8%. The multi-disorders were "tone quality and resonance disorder" (5.8%) and "tone quality and loudness disorder" (1.6%). Most PD was revealed in speaking patients (26%). In all cases pre-speaking PD (1.4%) congenital organic pathology was revealed. The most common dysphonia reason was vocal nodules, the leading reason of hyponasality- adenoid hypertrophy and allergic rhinitis. Alert the fact hearing loss identification in patient with tone quality and loudness disorder (sensorineural and conductive in one case of each). So, PD is not rare (27.4%) and prevails in speaking children. According to our data, the PD was revealed in non-complaining children in 21%, so the doctors and teachers should pay more attention on kids' voice quality.

#### 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 *Pediatrica journal* named after G N SPERANSKY".



**Elena Radtsig**

Pirogov Russian National Research Medical University,  
Russia

Co-Authors

**Yana Bylinko<sup>1</sup>** and **Olga Orlova<sup>2</sup>**

<sup>1</sup>Federal State Budgetary Institution, Russia

<sup>2</sup>Federal Medico-Biological Agency of the Russian  
Federation, Russia

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