

## ENT Congress 2019: E-BABE-The use of free flaps in children with head and neck tumors – 33 clinical cases- Rogachev- National Research Center of Pediatric Hematology.

**Rogachev**

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**Introduction:** Co-founder of Russian food discount chain Pyatyorochka (now X5 Retail Group) which merged in 2006 with Perekriostok, a majority-owned subsidiary of Russia's Alfa Group. Also co-founded grocery hypermarket chain Carousel which merged with X5 in 2009. Resigned from X5 board three years ago to be able to sell stock freely. His real estate assets not faring well; heavy debts and lawsuits are stunting Macromir, his St. Petersburg based development company and entities in his LEK Group are facing bankruptcy. Born in Tula, near Moscow; graduated from the Institute of Hydrometeorology in St. Petersburg. In early 1990s worked on the production of ecological-control instruments, participated in the creation of an electronic bourse and traded in imported food products before launching business.

**Abstract:** Experience of 33 surgical operations with free-flap microsurgical reconstructions in children between 4 and 18 years with head and neck malignant and benign tumors was obtained in department of paediatric surgery and oncology in D. Rogachev National Research Center of Paediatric Haematology, Oncology, and Immunology in 2015- 2019 years.

33 surgical operations were performed in patients with benign (or malignant tumors of upper lower jaws or temporal soft tissues with simultaneous or delayed reconstruction with fibula or ileac crest osteomuscular or soft-tissue radial free flaps. Operations were planed using 3D-modeling with building stereo lithographic models and resection limiters, fixing orthodontic devices were used to save occlusion in most cases of jaw resections. Also in all cases intact nerves (especial facial nerve with branches) and main vessels were preserved using microsurgi-

caltechnics. In all cases the anastomoses were functional, the flaps were viable, good aesthetic and functional results were achieved. Stage-by-stage rehabilitation treatment of patients after reconstruction of the upper and lower jaws includes teeth implantation at the age of 14-18 after bone consolidation and recurrence-free period. On current in 3 cases dental implants.

The use of free flaps in children with head and neck tumours seems appropriate and feasible since it makes it possible to close extensive mixed defects of head and neck contributing to the rapid rehabilitation and social adaptation of patients, which is especially important during the growth period of patients.

**Biography:** Grachev Nikolai Sergeevich has completed his PhD at the age of 35 from D. Rogachev National Research Center for Pediatric Hematology, Oncology and Immunology. He is the head of the Head and Neck Surgery department with reconstructive plastic surgery of this center. He has published over 35 articles in reputed journals and is a member of the editorial board of 2 Russian journals.

**Result:** The purpose of the centre is to develop and introduce new methods of treatment and medical and social rehabilitation of children with diseases of the blood of the immune system, hemoblastosis, tumours of the nervous system and a number of other diseases associated with the activities of the clinic. The Centre conducts research at the world level. On the basis of the permanent work of a group of scientists from two countries of Russia and Germany, the Moscow-Berlin protocol on the study of acute lymphoblastic.