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### School of Vision: A new organization form of treatment process for kids with ophthalmic disorders

**Background:** The aim of 'School of Vision' is to achieve the higher results in the therapy of the eye diseases such as amblyopia induced by refractive and binocular disorders using special complex of medical cure. This complex includes medication, hardware and computer software treatment in-office performed under the doctor supervision, lectures for parents and workshops for kids, supplemented with procedures done at home in between of the visits to a doctor (home reinforcement or homework).

**Objective:** School of Vision's general objectives are: To increase the level of parent's awareness about aims and methods of treatment that their kids with eye abnormalities are going through; to use individual programs and combination of treatment methods based on the type of the eye disorder, level of amblyopia, age, gender and other criteria; and to educate parents and kids about home therapy procedures and self-control practices.

**Material & Methods:** The group of 35 kids aged 4 to 6 (mean age±standard deviation=4.7±1.2 years) with low degree of amblyopia due to refractive errors and binocular dysfunctions attended 'School of Vision' for the period of up to 9 months.

**Result:** A comparative analysis of vision acuity, binocular functions, motivation in treatment has been conducted. Visual acuity before treatment initiation was  $0.62 \pm 0.08$ ; visual acuity after treatment was  $0.83 \pm 0.08$ . Improving of binocular interaction, increasing of motivation in patching and other treating procedures had been observed.

**Conclusion:** School of Vision is a program that allows achieving high results in visual skills and abilities while treating amblyopia in shorter time, combining special treating procedures with education for kids and parents, increasing motivation to therapy.

### Biography

Ekaterina Naumova has graduated from Ural State Medical Academy in 2006 and completed Postdoctoral studies at IRTC Eye Microsurgery Ekaterinburg Center, Ekaterinburg in 2007. She is the Chief of Pediatric Department at IRTC Eye Microsurgery Ekaterinburg Center, Ekaterinburg since 2014.

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