

4th Global Pediatric Ophthalmology Congress

March 07-08, 2019 | Berlin, Germany

Retinopathy of prematurity in infants' gestational age more than 30 weeks

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Purpose: The purpose of this paper is to analyze the possibility of developing retinopathy of prematurity (ROP) and need for treatment in premature babies born between 30 and 36 weeks of a gestational age and birth weight over 1500 g.

Method: In this retrospective study were analyzed data of premature babies which followed in period from May 2012 to May 2017. In Republic of North Macedonia for screening of ROP is used recommendations from the American Association for Pediatric Ophthalmology and Strabismus where clearly defined inclusion for the screening program for ROP of all pre-matures with a birth weight (BW) of 1500 g or less and/or born at 30 gestational weeks (GW) or earlier and selected infants with a birth weight between 1500 to 2000 g with unstable clinical course.

Results: In this retrospective study were included 130 premature babies treated with laser photocoagulation in the period from May 2009 to May 2014 performed by two eye surgeons. 52 treated neonates are with gestational age more than 30 gestational weeks and 37 infants are with BW over 1500 g.

Conclusions: The results concluded that premature infants with unstable clinical course, born between 31 and 36 weeks of a gestational age and birth weight over 1500 g should be screened for ROP.

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