

Retinopathy of Prematurity in Bundelkhand: A Risk Factor Analysis

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ABSTRACT

Retinopathy of prematurity(ROP) is a vasoproliferative disorder of the retina. It may progress to stage of retinal detachment and blindness. The purpose of this study was to assess the incidence and to identify the risk factors for retinopathy of prematurity (ROP) in bundelkhand region. One Hundred preterm neonates were screened in a tertiary care centre. Proper history, clinical examination and fundus examination of all patients was done and findings were noted. Out of the 50 neonates included in this study, 8 (16%) cases developed ROP in one or both eyes which was further classified as: 5 (62.5%) cases stage 1, 2 (25%) cases stage 2, and 1 (12.5%) case stage 3 with plus disease. None of the studied neonates presented ROP at stages 4 or 5. The incidence of ROP in this study was 16%. On univariate analysis gestational age was an independent risk factor while birth weight and duration of oxygen therapy found to be a relative risk factors. All high risk infants should be screened for ROP.