

Unveiling the lens: delving subluxations in ROP babies - a case series

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ABSTRACT

Infants born prematurely face multiple ocular challenges, including retinopathy of prematurity (ROP). Subluxated lens in a newborn is rare, and its management is challenging. We report four cases of premature babies presenting with combined ROP and subluxated lens. All four infants were born prematurely at 26 weeks with a birth weight of less than 1000 g. All had complex medical issues but no birth trauma. The first and second infants had underlying bronchopulmonary dysplasia, intraventricular haemorrhage and anaemia of prematurity. The third and fourth infants had underlying respiratory distress syndrome. All infants developed stage 2 zone 2 ROP between 32 to 40 weeks. Incidentally, during ROP screening, noted presence of mild nasally subluxated lens with secondary glaucoma that was amenable to medical treatment. Unfortunately, the first and fourth infant's condition worsened, progressing to stage 4A and 4B ROP, respectively. In addition, the fourth infant had an anteriorly subluxated lens. Both infants underwent trans-pars plana vitrectomy and lensectomy. Infants with ROP and subluxated lenses need careful management to preserve vision, control glaucoma, and monitor long-term ophthalmologic complications for optimal visual development.