

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Retina and Vitreous N° CEP

Vitreotomy in Stage V of Retinopathy of Prematurity : Three Years Follow up

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Purpose: to evaluate the status of the retina and visual acuity in babies with retinopathy of prematurity stage V who underwent vitrectomy. Methods: prospective study. None of the patients was born in São Paulo Hospital . The babies came from outside services. All patients had a total retinal detachment (ROP V) and ultrasound was done in all cases. If the anterior retina was open, we indicated surgery. The surgery consisted of pars plicata vitrectomy, lensectomy and peeling of membranes. All surgery was done by the same surgeon. Visual evoked potential (VEP) was used for visual acuity at 6, 12, 24 and 36 months after surgery. Results: Thirty eight eyes of thirty eight babies had three years of follow up after vitrectomy for ROP V. Twenty three eyes (60%) had an attached retina after surgery. Two needed more than one surgery. 70% had visual acuity better in the eye with surgery. The visual acuity ranged from light perception to 20/750. Three babies had worst visual acuity during the follow up. Conclusion: Retinal detachment in premature babies with (ROP V) was associated with poor visual results. Vitrectomy was more successful in anatomic function than visual function. Prevention of ROP V is better than the vitrectomy results.