

عنوان مقاله:

Intravitreal Bevacizumab injection outcomes in Aggressive Posterior retinopathy of prematurity compared with type one retinopathy of prematurity

محل انتشار:

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خلاصه مقاله:

Purpose: To compare type I retinopathy of prematurity (ROP) with aggressive posterior retinopathy of prematurity (AP- ROP) regarding risk factors, complications and treatment outcomes. **Methods:** A prospective cohort approach was applied on premature newborns diagnosed as Type I ROP and APROP. An intravitreal injection of bevacizumab (Avastin®) was given to each patient. Demographic features such as gestational age, birth weight, age at the initial injection, involved eye, treatment response, relapses and need to extra interventions were compared. **Results:** Seventy-seven patients underwent an initial intravitreal injection of Bevacizumab (IVB), 108 eyes were type I ROP and 30 eyes were A-P ROP. There was no significant difference in birth weight and gestational age (GA) between two groups. ROP relapsed in 8 eyes of 4 patients with A-P ROP (26.6 %), of which 6 eyes of 3 patients received re-injection of bevacizumab, and 2 eyes of one patient underwent a laser treatment. Recurrence occurred in 2 eyes of one patient with Type I ROP (1.8 %), which were treated by laser. **Conclusion:** Bilateral eye involvement, relapse and retreatment (IVB, laser and surgical intervention) are more frequent in A-P ROP than type I ROP even when treated .with intravitreal Bevacizumab injection

کلمات کلیدی:

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