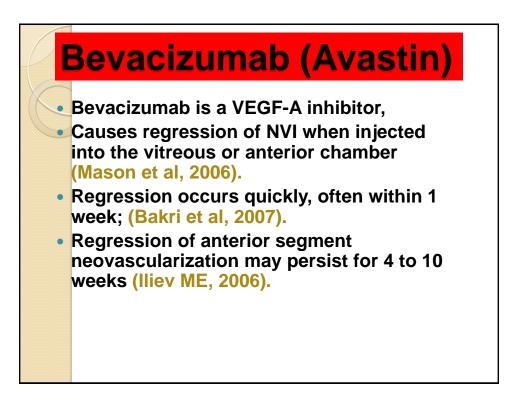
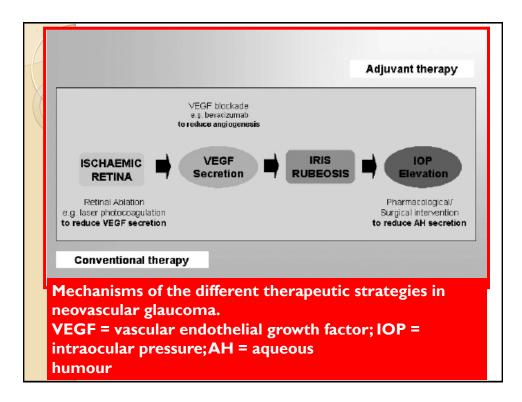
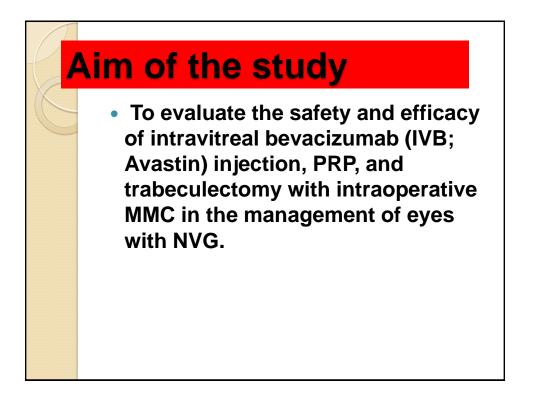




- Linked to locally produced angiogenic growth factor: vascular endothelial growth factor (VEGF) (Tripathi et al, 1998).
  - In NVG and anterior segment neovascularization, the level of VEGF in the aqueous humor is significantly increased (Tripathi et al, 1998).
  - Artificially elevating VEGF levels in animal eyes was sufficient to result in NVI and NVG (Tolentino et al, 1996).



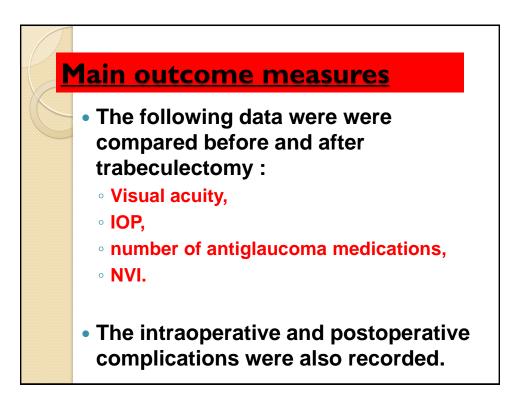


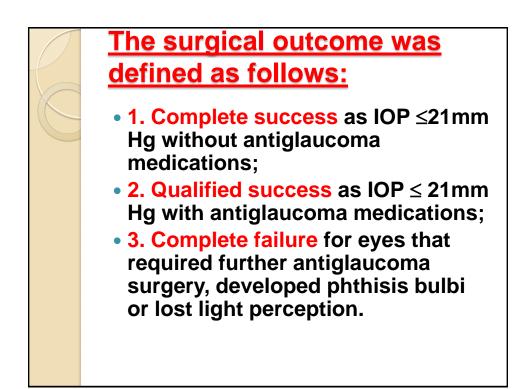


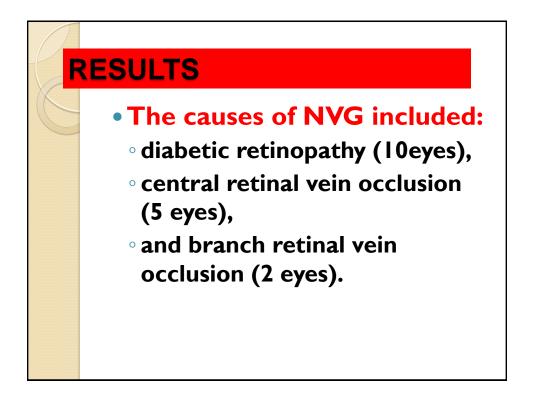
#### **PATIENTS AND METHODS**

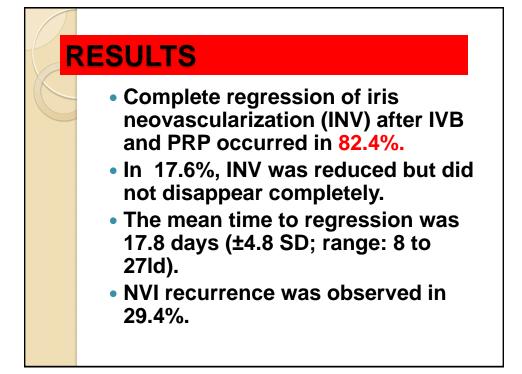
17 eyes with NVG were included in the study.

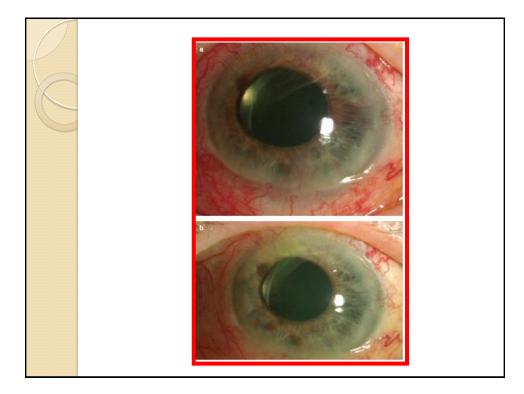
- PRP was performed in either single or multiple sessions depending on the view to the retina and patient tolerance.
- Intravitreal injection of 1.25mg (0.05 mL) bevacizumab (Avastin; 100 mg/4 mL) was given in the operating room through the pars plana.
- Trabeculectomy with MMC (0.4 mg/mL for 3 minutes) was performed within 1 month after IVB injection











# Mean IOP before and after IVB and PRP

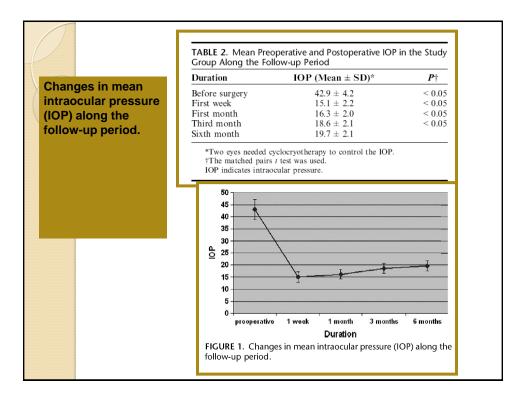
 Mean IOP before IVB and PRP was 47.2±7.7mm Hg that decreased to 42.9±4.2mm Hg within 1 month after IVB injection.

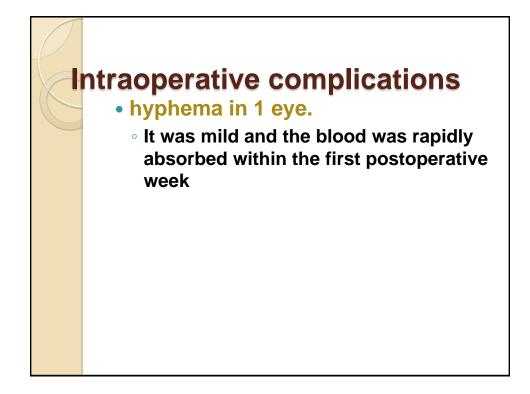
#### Initial and final visual acuities

Initial visual acuity	No. (%)
1/60 or worse	7 (41.2)
> 1/60 to 6/60	6 (35.3)
Better than 6/60	4 (23.5)
Final visual acuity	
No light perception	2 (11.8)
1/60 or worse	6 (35.3)
> 1/60 to $6/60$	4 (23.5)
Better than 6/60	5 (29.4)

## SUCCESS CRITERIA

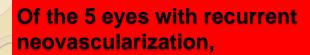
Success criteria 1. Complete success 2. Qualified success 3. Complete failure	<b>No. (%)</b> 9 (52.9) 6 (35.3) 2 (11.8)





### **Postoperative complications**

	Patien	
Complications	Number	%
1. Hypotony	3	17.6
2. Conjunctival dehiscence	1	5.9
4. Shallow anterior chamber	2	11.8
5. Corneal erosion	1	5.9
5. Hyphema	4	23.5
6. Choroidal detachment	2	11.8
7. Blebitis		
8. Endophthalmitis		



- Additional PRP and IVB injection was performed that resulted in regression of the neovascularization in 3 eyes.
- In 2 eyes persistent neovascularization was present and the trabeculectomy was not functioning.
- These 2 eyes needed cyclocryotherapy to control the IOP and these were the eyes that lost light perception.

