

## عنوان مقاله:

Nicotinic Acid Treatment for Retinal Vein Occlusion

## محل انتشار:

مجله ایمنی و بهبود بیمار، دوره 2، شماره 1 (سال: 1393)

تعداد صفحات اصل مقاله: 8

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## خلاصه مقاله:

**Objectives:** To evaluate the effect of nicotinic acid in management of retinal vein occlusions (CRVO or BRVO).  
**Materials and Methods:** This prospective nonrandomized pilot study included 20 patients (21 eyes) with CRVO or BRVO that received nicotinic acid (3 g/day) for 3 months. A complete ophthalmologic examination uncorrected visual acuity (UCVA), best spectacle-corrected visual acuity (BSCVA), testing for a relative afferent pupillary defect (RAPD), slit-lamp examination, gonioscopy, intraocular pressure (IOP) measurement, funduscopy and fundus photography was performed. **Results:** Four patients did not appear for follow-up and hypersensitivity reaction to nicotinic acid and severe hyperglycemia happened in two patients. Therefore, the results of treatment in 16 eyes of 15 are reported. These patients had a mean age of  $59.56 \pm 11.12$  years. The average length of follow-up was  $8.6 \pm 2.7$  months. The mean BSCVA was  $1.56 \pm 0.66$  before treatment,  $1.38 \pm 0.72$  ( $p > 0.05$ ) at one month and  $0.88 \pm 0.69$  ( $p < 0.01$ ) at three months. The last BSCVA of all 16 eyes averaged  $0.97 \pm 0.73$  ( $p < 0.01$ ). All patients had reduction of hemorrhagic events, cotton wool spots, edema in macula and disc, venous tortuosity, and dilation on basis of fundus photographs 3 months after treatment. **Conclusion:** Nicotinic acid usage provides enough time for development of collateral vessels, by induction of vasodilatation. Nicotinic acid use is tolerable and is related with mild systemic side effects.

## کلمات کلیدی:

BRVO, CRVO, Niacin, Nicotinic acid, retinal vein occlusion

## لینک ثابت مقاله در پایگاه سیویلیکا:

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