

Ocular and Optic Nerve Ischemia Treated with Prostaglandin E1

R.D. Steigerwalt Jr¹, A. Pascarella², G. Belcaro³, C. M Rosaria³

¹ *Ophthalmology, Vascular, ARS Medica*, ² *Ophthalmology, Medical Retina, Ophthalmic Hospital, Rome*, ³ *Vascular Research, Ophthalmic, Irvine Vascular Research Center, S Valentino, Pescara, Italy*

Prostaglandin E1 (PGE1) is a powerful vasodilator of the microcirculation. It is a safe drug with few side effects. The authors present the use of intravenous PGE1 in a study to treat 8 patients with nonarteritic anterior ischemic optic neuropathy. They also present the use of PGE1 in case series to treat arteritic anterior ischemic optic neuropathy, branch retinal artery occlusion, ocular ischemia in high myopia and ocular ischemia in the aged eye. The methods, frequency, dosages and evaluation of treatment as well as the advantage of combination treatment with steroids will be presented.