

Effetti della Pneumotrabeuloplastica (PNT) nel Glaucoma Primario ad angolo aperto (Effects of Pneumatic Trabeculoplasty in Primary Open Angle Glaucoma)

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ABSTRACT

Pneumatic trabeculoplasty (PNT) is a recently developed non surgical approach, useful in the treatment of elected forms and conditions of glaucoma. The action of PNT is prevalently mechanical and based on the calibrated suction of the eye able to remodel the trabecular meshwork and, at the same time. able to determine a better aqueous outflow.

The aim of the study is twofold: the **first** one is to evaluate the wideness modification of the anterior chamber angle following a double pneumatic trabeculoplasty treatment through ultrasound biomicroscopy examination (UBM); the second one is to evaluate, the possible effect of PNT on the uveoscleral outflow comparing two glaucomatous patients samples, one using prostaglandins and the other using β -blockers.

The statistic correlation prove a significant increasing of the anterior chamber angle wideness at one month, with an associated reduction of intraocular pressure (IOP); nevertheless the outcomes don't prove a possible useful effect of pneumatic trabeculoplasty on the uveoscleral outflow.

Key Words - : Pneumatic trabeculoplasty, anterior chamber angle wideness, ultrasound biomicroscopy, uveoscleral outflow.