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### **Corneal Topography changes after Vítreo-Retinal Surgery**

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**Purpose:** To measure and analyze corneal topography changes after retinal surgery **Methods:** A prospective observational clinical study with a total of 32 eyes of 32 patients were assigned to 1 of 2 groups based on the type of surgery (PPV or PPV + encircling buckle). Corneal topography was measured on all patients with the Eye Sys System 2000; pre operatively, 1 week pos operatively, 1st and 3rd month PO. All data was statistically evaluated.

**Results:** The measurement of all topographic indices were statistically significant different from baseline 1 week pos operatively, but at 1 and 3 months there was no significant difference from pre operative indices. **Conclusions:** There was no statistically difference between pre operative and final topography at the end of the study. An important increase of the corneal astigmatism can occur after all types of retinal surgery in the immediate pos operative period (1 week). Consecutive stabilization of pre operative values was obtained after several weeks (4-12)