

## عنوان مقاله:

Subfoveal Choroidal Thickness after Pars Plana Vitrectomy in Tractional Clinically Significant Macular Edema

## محل انتشار:

بیست و هشتمین کنگره سالیانه انجمن چشم پزشکی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

## نویسندگان:

Seyedeh Maryam Hosseini - Eye Research Center, Mashhad University of Medical Sciences

Nasser Shoeibi - Eye Research Center, Mashhad University of Medical Sciences

Maryam Dourandish - Eye Research Center, Mashhad University of Medical Sciences

Touka banaee - Eye Research Center, Mashhad University of Medical Sciences

## خلاصه مقاله:

**Purpose:** To evaluate changes in subfoveal choroidal thickness (SCT) in cases of tractional clinically significant macular edema (CSME) after pars plana vitrectomy (PPV) using Enhanced-depth optical coherence tomography (EDI-OCT). **Methods:** This quasi experimental study included 30 eyes of 30 patients who had underwent PPV for the management of tractional CSME. Best corrected visual acuity (BCVA), subfoveal choroidal thickness (SCT) and central macular thickness (CMT) were measured before, 1 month, 3 and 6 months after PPV in operated and fellow eyes. **Results:** The preoperative mean SCT of eyes with tractional CSME and fellow eyes was  $314/59 \pm 71.24$  (206-478)  $\mu\text{m}$  and  $283/56 \pm 97.48$  (142-405)  $\mu\text{m}$ , respectively. The postoperative 1 month, 3 months, and 6 months mean SCT of operated and fellow eyes was  $309/58 \pm 45/49$  (194-447),  $304/58 \pm 32.79$  (209-435),  $288/59 \pm 63.46$  (174-416),  $288/59 \pm 63.46$  (174-416),  $290/65 \pm 10.31$  (152-421) respectively. However, there were not a statistically significant decline in SCT 1 month and 3 months postoperative ( $P=0.54$  and  $P=0.24$ , respectively), but a statistically significant decline in SCT was observed at 6 months in eyes with tractional CSME ( $p=0.009$ ). **Conclusion:** There was a statistically significant decline in SCT 6 months postoperatively in eyes with tractional CSME. Type of surgery (PPV vs combined surgery) does not affect choroidal thickness

## کلمات کلیدی:

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