

## 2<sup>nd</sup> International Conference on

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## Observation of the<br/>changes in ocularObjective To observe the changes of ciliary body after scleral buckling surgery by Ultrasound<br/>biomicroscopy.Anterior segmentMethods Ciliary body thickness and anterior chamber depth(ACD) in 22 patients who suffered

**Methods** Ciliary body thickness and anterior chamber depth(ACD) in 22 patients who suffered from the rhegmatogenous retinal detachment(RD) were measured before and 3,7,15, 28 days and 3 months after the procedure. Ultrasound biomicroscopy was used to evaluate ACD and ciliary body thickness.

**Results** The surgery caused significant increases in ciliary body thickness at 3,7,15,and 28 days postoperatively (P < 0.01). Ciliary body edema reached its peak at 3 days after surgery, followed by a gradual decrease there after. Ciliary body thickness in the encimling group was statistically greater than in the segmental buckling group at 3 and 7 days postoperatively (P < 0.01)

**Conclusions**: subclinical ciliary edema existed in all directions of all eyes for at least 1 month after the scleral buckling procedure. The ciliary body in the direction of scleral buckling showed

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biomicroscopy

after sclera buckling

surgery by ultrasound

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greater edema than the other areas.