

Bleb Compression Sutures for Overfiltration

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Introduction

- An overfiltration bleb is a common occurrence with filtration surgery after introduction of antimetabolites.
- Transconjunctival suturing of the scleral flap did improve hypotony maculopathy resulting from overfiltration after Trabeculectomy + MMC.

Case History

- Male patient 34 years old suffered hypotony maculopathy of 2.5 months duration with IOP of 2-3 mmhg due to overfiltration
- Has a history of bil. Idiopathic chronic ant. uveitis
- On systemic & topical steroids for 8 years duration .
- Bil pseudophakia
- Rt Trab + mmc (0.4mg/ml/ 2 min.)
- IOP was low in spit of no documented ciliochoroidal detachment, no shallow AC, no bleb leakage)
- Deterioration of visual acuity from 6/12 to 2/60

Surgery

- The patient underwent transconjunctival scleral flap suturing . The scleral flap was sutured through the conjunctiva using a spatulated needle with a 10-0 nylon suture.
- This technique is easy to adopt and minimally invasive, and it does not preclude further bleb revision surgery if needed.

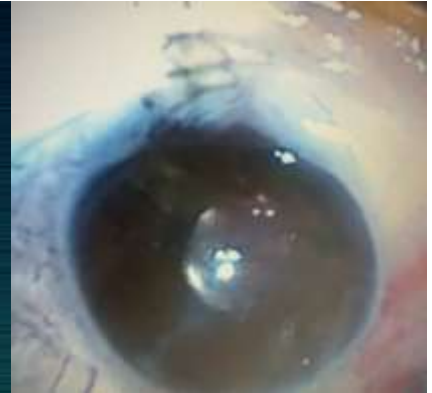
2nd Postop. Day

*IOP 12 mmHg

*bleb still formed but smaller in size.

*VA improved in the next few days to reach 6/24

6/18 after one month and persisted thereafter .



Conclusion

Transconjunctival suturing of the trabeculectomy scleral flap is an effective treatment to raise IOP and improve visual loss from hypotony maculopathy immediately.

They preserve the bleb, and by selecting which sutures to remove postoperatively, we get a very nice outcome.

References:

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Thank You