



## Transconjunctival suturing techniques to treat over-filtration following trabeculectomy

### ***The Science behind the Tip***

Hypotony is a recognised complication following filtration surgery such as trabeculectomy<sup>1</sup>. Where this is due to over-filtration, intervention may be required to reduce filtration and prevent long-term vision loss.

Transconjunctival suturing is one treatment option that avoids the need to open the conjunctiva. This is either in a direct manner with sutures passed through the scleral flap radially<sup>2</sup>, or indirectly by placing the scleral passes distally on either side of the trabeculectomy flap to create a compressive effect over the flap<sup>3</sup>. Sutures can be subsequently removed to increase flow or left in situ where they pass through the conjunctiva and end up in the subconjunctival space and are no longer exposed.

### ***References***

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- 2) Scoralick ALB, Almeida I, Ushida M, et al. Hypotony Management through Transconjunctival Scleral Flap Resuturing: Analysis of Surgical Outcomes and Success Predictors. *J Curr Glaucoma Pract.* 2017 May-Aug;11(2):58-62. doi: 10.5005/jp-journals-10028-1224. Epub 2017 Aug 5.
- 3) Yu J TS, Mercieca K, Au L. Conjunctival bleb compression sutures: An effective method of addressing hypotony after trabeculectomy or trabeculectomy-related procedures. *Eur J Ophthalmol.* 2018 Nov;28(6):731-734. doi: 10.1177/1120672118777100. Epub 2018 Jun 11.