

Non penetrating approach to conventional pediatric glaucoma surgery



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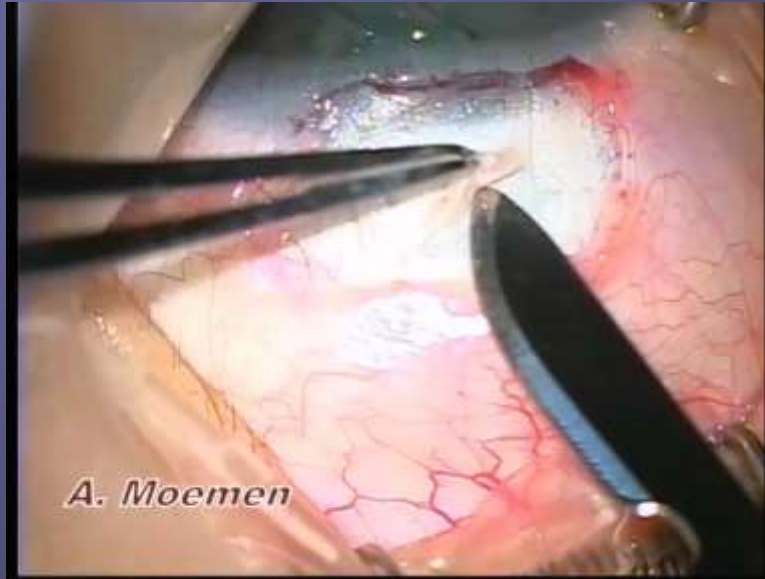
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- Combined trabeculectomy trabeculotomy technique is considered one of the most effective techniques for the management of primary congenital glaucoma

(Mullaney et al , 1999 Arch Ophthalmol. 1999;117(4):457-460.

doi:10.1001/archopht.117.4.457)

The classic technique:



Problems:

- During such surgery finding of Schlemm's canal can be challenging
- I need to be very lucky to find the proper site of the canal in each time I perform the surgery

Problems:

- Premature opening of the AC can occur before finding the Schlemm's canal
- Introduction of the trabeculotome in the improper place can lead to make a cyclodialysis cleft in stead of a trabeculotomy

Meanwhile:

- In my adult open angle glaucoma patient I used to do NPGS (viscocanalostomy)
- I found the technique of deroofting of the Schlemm's canal in NPGS is much more reproducible with me

- So I decided to perform this approach to find the canal in my pediatric patients

The NPGS approach:



Advantages:

- Much more controlled and reproducible specially when you are accustomed to NPGS
- It allows good exposure the openings of Sclemm's canal to help the introduction of the trabeculotome in the proper place

Advantages:

- Avoids the accidental premature opening of the AC before reaching the canal of Schlemm

