

	Trabaculactomy		Comments/Evalenation
	Trabeculectomy		Comments/Explanation
	Inject Mitomycin C sub-conjunctively	0:12	Mitomycin C helps prevent excess scaring
	in superior fornix (not shown)		and reduces the risk of trabeculectomy
			failure
1.	Mark superior limbus prior to	0:20	
	traction suture to maintain		
	orientation throughout the case		
2.	Place limbal traction suture	0:24	
	a. Create loop and secure	0:35	The suture should be deep (~80%) but not
	inferiorly with hemostat to		full thickness.
	expose superior region		
3.	Position corneal shield	0:46	
4.	Incise conjunctiva along limbus	0:50	
	a. Undermine the conjunctiva	1:09	This is done with a reverse scissoring
	with blunt dissection		technique.
5.	Scleral electrocautery for hemostasis	1:30	
6.	Use Gill knife to prepare/smoothen	1:46	
0.	scleral bed		This step also helps with wound healing.
7.	Create scleral flap	2:00	
	a. Initially dissect under flap	2:10	
1	with 75-13 scalpel, then	2.10	
	extend to limbus with 2.5		
	crescent blade		
8.	Pre-place 10-0 nylon sutures at the	2:46	
٥.	•	2:40	
	corner of the flap (repeat on other		
	side)	2.06	
9.	Miochol-E injection (especially	3:06	
	important if following		
	phacoemulsification)		
	· · · · · · · · · · · · · · · · · · ·	•	comfortable, the blood pressure is okay,
	a patent paracentesis, release traction		nd all instruments are rapidly available.
10.	Use a 75-13 scalpel to enter the	3:22	
	anterior chamber at the base of the		
	flap		
	a. Use a Kelly punch to create	3:30	
	sclerotomy		
	b. Create surgical iridotomy	3:42	If you have an assistant, it can help to have
11	Has alia kasta ta assura flora davur	3:53	them hold the flap out of the way.
11.	Use slip knots to secure flap down		
	a. Adjust knot tension until the	4:02	
	flap is holding pressure but		
	easily burped	4.00	
	b. Complete and bury slip knots	4:09	This helps decrease the risk of conjunctival erosion
12	Place two additional "safety sutures"	4:30	These are looser than the corner sutures and
12.	•	4.30	
	with slip knots.		can be helpful to titrate IOP post-operatively as sutures begin to be cut (starting with the
1			tightest).
_	a. Bury knots	4:58	-
	a. Bury knots	4.38	This helps decrease the risk of conjunctival erosion
12	Conjunctival closure	5:06	C. (3)(0)1
13.	a. Place wing suture and anchor	5:06	
1	with 3-1-1 knot	3.00	
		5:49	
	 Radial closure with running suture and secure with 2-1-1 	3.49	
	knot	6:20	
1	c. Roughen limbal surface with	0.20	
1	Gill knife and close other side		
	of conjunctiva	6.33	
14.	Use BSS to bring eye to physiologic	6:32	
	pressure, if necessary	6.11	
15.	Burp flap to test trabeculectomy flap	6:41	
	and bleb closure		
16.	Use a fluorescein strip to check for	6:50	Leakage will appear as a bright green stream
	any leaks		of dye under cobalt blue light.
17.	Remove traction suture and finish	6:57	
Í	with sub-conjunctival injection of		
			1
	Ancef/Decadron into inferior fornix		