

















































Prevention:

• Diabetes?







- Mean number of shots = 10.7 (range: 6-19) • Diclofenac qid x I week post-op
- Post-op visits @ I day, I wk, 2 wks, & 4 wks

COMPLICATIONS OF ND: YAG LASER CAPSULOTOMY Khan, B., et al. Pakistani Journal of Ophthalmology, Sept. 2014, Vol. 30, No. 3, pp. 133-136						
 Complications of YAG laser cap 	sulotomy					
 IOL Pitting 	12.81%	(n=56)				
 Transient IOP Elevation* 	8.69%	(38)	*mean=7.4 mmHg			
 Cystoid Macular Edema 	3.89%	(17)	-			
• Uveitis	1.14%	(05)				
• Hyphema	0.68%	(03)				
 Retinal Detachment 	0.45%	(02)				
 Lens subluxation/dislocation 	1 0.22%	(OI)				
Endophthalmitis	0.22%	(01)				















2	0.15 VAC Ca	n –
L	UIS IAU Ca	Р. 🥘
Con	plication St	udy
Complication	Mean total energy with complication (m])	Mean total energy <u>without</u> complication (mJ)
Uveitis	65	42
IOP spike	76	42
IOL pitting	62	43
Cystoid macular edema	71	42
Retinal detachment	78	43
Overall average	66	37































YAG CAP: STAR TECHNIQUE
Linear incisions creating 5 or more "flaps"
Pros:

Low risk of capsular tags

* <u>Cons:</u>

Longest time to do?
* Flaps" could refuse to spread open

























































- For acute angle closure & narrow angles
- Essentially same cautions/contraindications as for YAG Cap & SLT
- Essentially same potential complications as YAG Cap, plus hyphema & dysphotopsias







- Developed 1999
- Uses Frequency Doubled, Q-
- switched Nd:YAG Laser @ 532 nm
- 3ns Pulse, 400 μ m Spot Size
- Mechanism of Action: Cellular?

































ê sc AA AA 8 22 Effect of topical prostaglandin analog use on outcome following selective laser trabeculoplasty Warren J Scherei nal of ocular pharmacology an apeutics 23 (5), 503-512, 2007 ose: The aim of this study wa <u>SLT</u> day, 1 week, an Δm 6 < < ₾ ш G 99

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<u>SLT</u>	Real-world out laser trabeculor Kingdom Anthony P Khowaya, Moholas Kinko Hiles Ophthalmology 127 (Purpose Selective laser trabe- common leastnerfor Case and baseline factors and baseline factors an	comes of selective plasty in the United Joanna H Campbell, 5 5 Chardmanni, Ian 5 5 Chardmanni, Ian 6 6, 748-757, 2020 Judpelatiy (21) is a Xinn for managing hypertainsion, We and effectiveness of SLT associated with readment Kingdom.	Main Outcome Change from I (IOP) and glas and 24 to 38 r survival analys SLT was defin procedure poe consecutive vi reduction <20 glaucoma me glaucoma me Results A total of 831 IOP 22.0 mmH AI 12 to 18 an respectively, o 95% confiden and -3.4 [85% < 0.0001) and number of gla	Nam Outcom Networks Onling from Sampling interfactors of the Sampling Samp				reaser vacecure tity associated sual field mean noncrent use of noncrent use of noncrent use of noncrent use of noncrent use of noncrent noncrent use noncrent use noncrent no	Second during revealed and the second during		
	from 5 UK ophthalmo	ledisoft Ltd, Leeds, UKJ) logy teaching centers.	0.33], P = 0.01 analysis demo 70%, 45%, an	05) were observed. instrated treatment d 27% of eyes at 6,	Survival success in , 12, and 24	(HTML) si	siencedirect.com	li -	>		
	Adult patients underg	oing their first recorded (same day), analyses	Months post-5 IOP was stron success (hazz	LT, respectively. Hi gly associated with rd ratio [HR], 0.671	igher baseline treatment for baseline	Cited by 9	,		>		
	included 1 randomly Methods	selected eye.	IOP >21 mmH 0.80; P < 0.00 success was n	ig vs. <21 mmHg, 9 1). Selective laser 1 of significantly ass	15% CI, 0.57– trabeculoplasty oriated with	Related a	rticles		>		
	Patient demographic clinical outcomes dat	s, procedure details, and a were extracted. Factors	age (P = 0.78) deviation (P =	1.00), or concurren	ild mean nt use of IOP-	All 7 versi	ons		>		
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Peri-Operative Protocols

- Informed Consent
- Photos pre- & post-procedure, as appropriate
- Record vitals (BP/pulse/IOP/VA) pre- & post-procedure
- Post-op instructions
- Schedule f/u & inform to call back if pain/redness/edema
 Clean & sterilize all non-disposable equipment post-op

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Scheduling Considerations

- Schedule all same day/consecutively? Personal Preference
- How long between procedures? 10-15 minutes
- Schedule Ist eye Post-Op on same day as 2nd eye sx?

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Other Laser/Advanced Procedure Considerations

Make sure your Professional Liability Insurance policy covers these procedures!!!

- Some don't!
- Lockton Affinity through AOA Excel definitely does!!

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YAG Cap Coding & Billing

- CPT: 66821
- '19 Medicare National Payment Amt: \$317.86
- '19 BC/BS PPO (Louisiana): \$470.55

•90-Day Global





















Peri-Operatively

- Proper Personal Protective Equipment (sterile gloves, sterile field, mask?, etc.) with <u>Universal Precautions</u>
- Use skin marker prn
- Asepsis/prepping area (Betadine swab or alcohol)
- Anesthetize area (topical, injectable, iontophoresis, other) & test efficacy with forceps, etc.:
 - Topical lidocaine gel
 - 2% Lidocaine with epi for infiltrative anesthesia
- Alternatives...

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Peri-Operative Protocols

- Informed Consent
- Photos pre- & post-procedure
- Record vitals (generally BP/pulse) pre- & post-procedure
- Hemostasis prep
- Sterile technique & proper tissue-handling/sharps/biohazardous
 waste *Beware bloodborne pathogens & needlesticks!*
- Post-op instructions (e.g. steroid-antibiotic, pain meds)
- Schedule f/u & inform to call back if pain/redness/edema
- Clean & sterilize all non-disposable equipment post-op

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RF Alternative: Fugo Plasma Blade

<u>Numerous ophthalmic applications:</u>

- Cataract Surgery (anterior capsulotomy)
- Glaucoma Surgery (transciliary filtration)
- Peripheral Iridotomy
- Lesion Removal

Approved in U.S.



RF Alternative: Cryotherapy

- Rich Castillo, DO, OD developing periocular technique
- For lesion removal
- Uses Liquid Nitrogen
- Treat lesion for 20-30 secs post-topical anesthetic (i.e. no needles, no scalpels)
- Lesion blanches & falls off after 2-3 weeks
- Inexpensive (<\$1200 for entire system)

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blepharitis, etc.)

* Definitive Therapy





































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CHALAZION – INCISION / CURETTAGE

• Vertical incision through the palpebral conjunctiva, staying away from the lid margin



Courtesy: Dave Tally, O.D. West TN







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INTENSE PULSED LIGHT THERAPY (IPL)

- Brief, powerful bursts of light (500-800 nm) emitted by handpiece & absorbed by oxyhemoglobin
- · Heat coagulates cells causing vascular thrombosis, ↓↓ redness & ↓ problematic skin flora
- Off-label for MGD/DES & to













	67850 dest. Lesion eyelid	292	305	
	Shave Shis Funktion			
	Shave Skin Excisions			
	*11200 tags, up tound 15 lesions	70	115	
	11200 tel - Car	18	66	
	11300 tal <.0cm	58	97	
	11301 tai <.0-1.0cm	75	124	
	11202 tal 0 0 0	90	165	
	11000 tai #2.00m	108	211	
	11305 snhfg < .6 cm2	58	106	
	11306 snhfg < .6-1.0 cm2	81	137	
	11307 snhfg < 1.1-2.0 cm2	93	170	
	11308 snhfg >2.0 cm2	110	222	
	11310 face < 0.5cm3	71	123	
	11311 face .6-1.0 cm3	88	157	
	11312 face 1.1-2.0 cm3	101	190	
	11313 face > 2.0nm3	192	249	
	Skin Terre/Elat Works & fall up and	199	240	
	11200 Evolution to 15			
	11200 Excodes oction up to 15	70	115	
	17110 Deate Eletworte mellos un la de	18	66	
	17111 Elaturate wate, motos up to 1	87	89	
	48000 Finite Warts, moluscum up to 15	99	142	
	40220 Excision of single anal tag	149	204	
	Hozou Excision of ext. hem tag	220	290	
11	Gosmatic Procedures (CASH) depending on	citentele		
	Low	High		
	Cosmetic Lesion removal	\$100	\$500	
	Earlobe Repair	\$300	\$600	
	Telangiectasias/Hemangiomas	\$100	\$600	
	Skin Tightening	\$1,500	\$3,500	
	(4 procedures @ 10-15 mins per procedure) Epilation			
	(including blond, gray, and dark hair)	\$150	\$500	
	CPT Description Nat	Care (office) Estin	50% Fee	
	Evelid Procedures			
	67810 biopsy evelld	194	225	
	67825 trichiasts coll by forcen	113	204	
	67840 exclistion w r w/o simple clos	970	245	
	67850 destruction lesion evelid	202	305	









Coding & Billing for RF

RF & IPL Devices can also be used to treat chalazia with direct heat/massage for several sessions prior to more invasive procedures...

> Especially for those uncomfortable with I&C, intralesional steroid injection No CPT, so would be out-of-pocket for patient

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THANK YOU!

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Fellow - American Society of Optometric Surgeons

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