	Panretinal	Retinal Tear	Focal NAVILAS	YAG-Iridotomy	YAG-Capsulotomy	SLT	Laser Suture Lysis	Cyclophotocoagulation
Preparation	Visual acuity Max. mydriasis Oxybuprocaine / Tetracaine +/- Paracetamol 30 minutes before	Visual acuity Max. mydriasis Oxybuprocaine / Tetracaine	Visual acuity Max. mydriasis	VA, IOP, Spersacarpine (pilocarpine) gtt, Tetra/Oxy. Gtt +/- Glycerine 10% gtt	Visual acuity IOP Max. mydriasis	Visual Acuity, IOP Tetracain +/- Spersacarpine (pilocarpine) gtt	Visual Acuity, IOP Oxybuprocaine or Tetracaine gtt	Visual Acuity, IOP retrobulbar / subtenon anesthesia (in operation room)
Technique	Valon / Argon Laser / NAVILAS 1 burn width apart	VALON / Argon Laser white spots, 3 rows around tear or until ora, +/- scleral indentation +/- cryotherapy if laser not possible	NAVILAS Lens: NAVILAS Focal (the bigger one) 3 test spots outside the macula	Nd:YAG-Laser minimal offset, at 11 or 1 o'clock in crypta, several shots until pigment flows through hole	Nd:YAG-Laser Offset +250um (posterior defocus); Can Opener 360° or inverted U (after PPV), alt. cross; exact focus (pits!), opening not too big	Nd:YAG-Laser (SLT-Mode) Puls 1 minimal offset	16x magnification, lens on conjunctiva, sutures visible after a few sec.	Diode laser + handpiece, ca. 2mm from limbus, leave out at least 1 quadrant (superonasal), in blind eyes 360°, not shots at 9, 12, 3, 6 o'clock
Spot Size	400um, near vascular arcades 100-200um	200-400um	50-100um				50um	
Puls Duration	100-150ms (more painful when longer)	100-150ms	100ms				300ms	2000ms
Power	begin with 150-220mW, increase until spots are yellow/white	100-220mW up to 600mW e.g. in case of vitreous hemorrhage	50-100mW	4.0mJ	1.0-2.0 mJ if possible, not >100mJ	0.9mJ to max. 1.5mJ, increase until bubbles	300mW	2000mW
Number of Spots	"moderate": 800-1000 normale: 1500-2000 max. 1000-1200 per session	3 columns around tear		several shots until pigment flows through hole		ca. 60-90 spots over 360°	1 shot usually sufficient	15-24 (max. 28)
Contact Lens	Superquad 160 (2.0x) Mainster PRP 165 (1.96x) Goldmann 3-mirror (middle mirror, 0.94x) Transequator (1.44x)	Mainster PRP 165 (1.96x) Goldmann 3-mirror (middle mirror, 0.94x) +/- scleral indentation	No contact lens needed	Abraham Iridotomy	CGPL Abraham Caps	SLT lens	Hoskins Suture Lysis Lens	
Postoperative	Lacrycon/Liposic/Vitamin A Dafalgan if needed	Follow-up after 1-3 days if incomplete for next laser treatment after 7-10 days if complete to check for sufficiency	Follow-up depending on disease	Pred forte gtt 4x/d for 5 days	Pred forte gtt 4x/d for 4d alt. Yellox gtt 2x/d for 3d Therapy not compulsory, +/- IOP lowering (e.g. 1xDiamox) check IOP after 1-2 days	Dexafree gtt 4x/d for 5d Follow-up after 4-6 weeks (successful?)	Follow-up after 1-3 weeks	Tobradex oint. 5x/d, taper over 1 month, altern. Tobradex gtt 4x + oint. At night, continue own glaucoma med. until follow-up, stop Diamox Follow-up after 5d and 1 month