DISEASE	SYMPTOMS	TREATMENT TYPE	LOCATION OF TREATMENT	WAVELENGTH	SINGLE SPOT OR PATTERN	LENS	SPOT SIZE AT TISSUE MICRONS	EXPOSURE TIME MS	STARTING POWER MW	PATTERN SHAPE	PATTERN SIZE	SPACING	TOTAL N° SPOTS/ SESSIONS
Diabetic Retinopathy	Proliferative Neovascularization	PRP to destroy outer retinal tissue, halt progression and cause regression NV	arcades and disc to mid- periphery	green or yellow	pattern	mainster 165, Volk HRWF, Volk Superquad, 3 Mirror	400	20	200	square, wedge, circle or arc	as needed	0.5	up to 1000 per eye quadrant in one or two sessions
	Proliferative Neovascularization	PRP with smaller patterns and lower fluence	periphery	green or yellow	pattern	same	400	20	200	square, wedge, circle or arc	3x3 or 2x2	0.25 - 0.5	up to 1000 per eye quadrant in one or two sessions
	Pre-proliferative Neovascularisation	scatter coagulation to stimulate retinal metabolism and reduce proliferative drive	center and periphery	green or yellow	pattern	same	200 - 400	10 - 20	100 - 200	square or arc	as needed	1 - 2	1, 500
	Clinically significant, non center involving macular edema	grid across area of oedema to decrease swelling	macula, periphery of fovea	yellow, red	pattern	area centralis	100	10	80	square, semi circle	2x2	1.5 - 2	
		focal to coagulate aneurysms	macula, periphery of fovea	yellow	pattern single spot	area centralis	100 50 - 100	10 10	80 80	arc, wedge	small	0.25 - 0.5	
Retinal Holes and Tears		retinopexy around tear or hole	usually periphery	green or yellow	pattern	mainster 165, Volk HRWF, Volk superquad	200 - 400	20	200	double or triple line, double arc, plus triangle	as needed	0 - 0.25	
Ischemic CRVO or BRVO	Ischemia	reduction ischemia, regression NV	mid periphery	green or yellow	pattern		100 - 200	10 - 20	as per PRP	as per PRP	as per PRP	as per PRP	
Neovascular Glaucoma/ Rubeosis iridis	Neovascularisation	regression NV							as per PRP	as per PRP	as per PRP	as per PRP	
Vitreous or Sub-retinal hemorrhage	Presence of blood	pass through hemorrhage to coagulate source	sub-retinal	red	single spot or pattern	volk superquad							
leakage Spots in CSCR	Leakage	treat leakage point	central	red	single spot	area centralis	200	100	100 - 200				
CME	Oedema, thickening	reduce oxygen consumption in outer retina	central	yellow	small pattern	area centralis	100	20	100 - 200	small square or triangle			
Choroidal neovascularisation	New vessels near fovea	direct coagulation - visible endpoint	deep seated lesion often close to fovea	red	single	area centralis	100	100	100	single or square	2x2		
ROP	Neovascularisation	destroy NV		red	single	LIO/28D	300 - 500	200 -1000	500 - 1000				
Iridotomy	Acute angle closure	creation perforating hole	crypt in peripheral iris	green or yellow	single	abraham	50	50 -100	800				80 - 100
Iridoplasty	Narrow angle	stretch iris tissue	outer edge of iris	green	single	abraham	500	500	250				20 - 30
Trabeculoplasty	High IOP	small coagulation	trabecular meshwork	green	single	ritch	50	100	400 - 600				50 - 100
Suturelysis		sectionning suture	filtering bleb	green	single		50	100	100 - 500				1 - 5