

### Appendix 1: CLINICAL PHENOTYPE OF PCG CASES

S. No.	Pt.ID	Sex	Age of onset of disease	Age at presentation / Sampling	Buphthalmos	Corneal Diameter (mm) OS/OD	IOP OS/OD	Haabs' Striae	Last Cup Disc ratio OS/OD	Corneal edema	Treatments
1.	PCG04	M	By birth	10 months	Absent	12x11/12x12	22/24	Absent	0.4:1/0.4:1	Absent	Medical and OU/Trab/Trab+MMC
2.	PCG06	M	By birth	4 months	OU	12x13/12x13	22/23	Absent	0.5:1/0.5:1	Absent	Medical and OU Trab/Trab+MMC
3.	PCG07	F	By birth	18 months	OS	12x13/11x11.5	38/14	Absent	0.4:1/0.4:1	Absent	Medical and OU Trab/Trab+MMC
4.	PCG08	F	1 month		OD	NA	23/25	Absent	Hazy media	One eye	Medical and OD Trab/Trab+MMC
5.	PCG09	M	2 months	13 months	Absent	12x12/12x12	22/22	Absent	NA	Absent	Medical and OU Trab/Trab+MMC
6.	PCG010	F	1 month	1 month	OD	NA	23/24	Absent	NA	One eye	Medical and OD Trab/Trab+MMC
7.	PCG011	M	1 year	4 months	OU; OD>OS	14x14/14x15	26/22	Absent	Absent	NA	Medical and OU 1XTrab/Trab+MMC
8.	PCG012	M	By birth	58 months	OU	14x14.5/14x14.4	32/32	Absent	NA	Absent	Medical and OU 1XTrab/Trab+MMC
9.	PCG014	F	By birth	1 month	OU	NA	25/24	Absent	Hazy media	Absent	Medical and OU 2XTrab/Trab+MMC
10.	PCG016	M	By birth	6 months	OD	11x11/12x12.5	18/26	Absent	0.4:1/0.5:1	Absent	Medical and OD Trab/Trab+MMC
11.	PCG018	M	By birth	3.4 years	OU; OS>OD	14.5x14/14x14	20/20	Absent	NA	Absent	Medical and OU Trab/Trab+MMC
12.	PCG019	F	By birth	7 months	OU	12x12.5/12x12	22/22	Absent	NA	Absent	Medical and OU 2XTrab/Trab+MMC
13.	aPCG020	M	By birth	7 years	OU; OD>OS	12x13/13x13	18/37	Absent	Hazy media	Absent	Medical and OU 1X Trab/Trab+MMC
14.	PCG021	M	By birth	2 years	OS	15x16/11.5x12	32/15	OU	Hazy media	Absent	Medical and 2X Trab/Trab+MMC OS
15.	PCG023	M	By birth	4 months	OU	14x15/14x15	34/36	OU	Hazy media	OU	Medical and OU 1X Trab/Trab+MMC
16.	PCG024	M	By birth	1 months	OU	14x13/14x13	30/24	Absent	0.7:1/0.7:1	OU	Medical and OU 1X Trab/Trab+MMC
17.	PCG025	F	By birth	18 years	Absent	NA	32/10	Absent	NA	Absent	Medical and OS Trab/Trab+MMC
18.	PCG026	M	By birth	2 years	OU	14x15/14x15	22/22	Absent	Hazy media	OU	Trab+MMC Trab/Trab+MMC
19.	PCG027	F	By birth	2 years	OU	13x13.5/15x14.5	22/22	Absent	0.8:1/0.8:1	Absent	Medical and OU 1X Trab/Trab+MMC

20.	PCG028	M	By birth	2.5 years	OU	13x13.5/13x13.5	20/20	Absent	Hazy media	One eye	Medical and OU 1X Trab/Trab+MMC
21.	PCG029	F	By birth	3 months	OU	15x15/14x14	28/27	OU	Hazy media	OU	Medical and 2X Trab/Trab+MMC
22.	PCG030	M	By birth	1 months	OU	13x13.5/13.5x13	26/26	Absent	0.7:1/0.7:1	One eye	Medical and 1X OU Trab/Trab+MMC
23.	PCG031	M	By birth	4 months	OU	11x14/14x15	34/36	Absent	Hazy media	Absent	Medical and 1X OU Trab/Trab+MMC
24.	PCG032	M	By birth	10 months	OS	15x15/12x12	18/24	Absent	0.3:1/0.3:1	Absent	Medical and 1X OS Trab/Trab+MMC
25.	PCG033	M	By birth	1 year	OS	13x13/11x11	12/12	Absent	0.2:1/NO glow	One eye	Medical and 1X OS Trab/Trab+MMC
26.	PCG035	M	By birth	3 months	OS	13x13/13x12	18/16	Absent	No glow	Absent	Medical and 1X OS Trab/Trab+MMC
27.	PCG037	M	By birth	1 month	OU; OS>OD	14x14/11x11	18/22	Absent	Hazy media	One eye	Medical and 1X OU Trab/Trab+MMC
28.	PCG038	M	By birth	3.5 years	OD	Corneal: Dulcer/14x14	18/20	Absent	Hazy media	OU	Medical and 1X OD Trab/Trab+MMC
29.	PCG040	F	By birth	2 months	OU; OD>OS	11.5x12.5/12x13	23/24	Absent	Hazy media	OU	Medical and OD 1XTrab/Trab+MMC
30.	PCG044	M	By birth	4 years	OU	14x14/14x14	26/24	Absent	0.8:1/0.9:1	Absent	Medical and 1X OU Trab/Trab+MMC
31.	PCG046	M	By birth	6 months	OU	13x13/13x13.5	24/16	Absent	0.5:1/0.3:1	Absent	Medical and 1X OU Trab/Trab+MMC
32.	PCG047	F	By birth	5 months	OU	14.5x14/14x14	30/20	Absent	0.7:1/0.9:1	One eye	Medical and 1X OU Trab/Trab+MMC
33.	PCG048	M	By birth	11 months	OU	13x13.5/12x13	28/26	Absent	NA	Absent	Medical and 1X OU Trab/Trab+MMC
34.	PCG049	M	By birth	6 months	OU	18x20/14x16	24/22	Absent	No glow/0.5:1	Absent	Medical and 1X OU Trab/Trab+MMC
35.	PCG050	F	By birth		OU	11x11.5/11x11.5	26/30	Absent	0.3:1/0.3:1	Absent	Medical and 1X OU Trab/Trab+MMC
36.	PCG051	F	By birth	36 months	OU;OD>OS	11x11.5/13x13	22/28	Absent	0.8:1/0.9:1	OU	Medical and 1X OU Trab/Trab+MMC; OU cataract surgery
37.	PCG052	F	By birth	2 months	OU	12.5x13/12.5x13	20/20	Absent	Hazy media/0.5:1	Absent	Medical and 1X OU Trab/Trab+MMC
38.	PCG053	F	By birth	4 months	OU;OD>OS	11.5x12/12x12	40/23	Absent	Hazy media	OU	Medical and 1X OU Trab/Trab+MMC
39.	PCG054	M	By birth	9 months	OU	15x14.5/15x14.5	26/26	Absent	Absent glow	Absent	Medical and 1X OU Trab/Trab+MMC
40.	PCG057	M	By birth	3 months	OU;OD>OS	13x13/13.5x13.5	28/30	Absent	0.7:1/0.7:1	Absent	Medical and 1X OU Trab/Trab+MMC

41.	PCG058	M	By birth	15 months	OU;OS>OD	14x14/12.5x12.5	20/16	Absent	total cupping/0.5:1	Absent	Medical and 1X OU Trab/Trab+MMC
42.	PCG059	F	By birth	10 months	OU;OS>OD	14x14.5/13.5x14	31/31	OS	NA	Absent	Medical and 1X OU Trab/Trab+MMC
43.	PCG060	F	7 months	41 months	OU;OS>OD	14x14/13x13.5	24/18	Absent	0.4:1/0.6:1	Absent	Medical and 1X OU Trab/Trab+MMC
44.	PCG061	M	By birth	4 months	OU;OS>OD	15.5x15/14x14	30/34	OU	Not visible/0.9:1	OU	Medical and 1X OU Trab/Trab+MMC
45.	PCG062	M	By birth	8 months	OU;OS>OD	11x11.5/10x11.5	22/16	Absent	0.6:1/0.6:1	Absent	Medical and 1X OU Trab/Trab+MMC
46.	PCG063	M	3 months	12 months	OU;OS>OD	12x12/11x12.5	22/23	Absent	0.4:1/0.4:1	Absent	Medical and 1X OU Trab/Trab+MMC
47.	PCG064	M	By birth	1 month	OU;OS>OD	12x12/11.5x11.5	28/24	Absent	not visible/0.7:1	Absent	Medical and 1X OU Trab/Trab+MMC
48.	PCG065	M	By birth	6 months	OU;OS>OD	13x13/12.5x13	25/26	Absent	0.7:1/0.7:1	Absent	Medical and 1X OU Trab/Trab+MMC
49.	PCG066	M	3 months	13 months	OU	12.5x12/12.5x12	22/24	Absent	0.4:1/0.4:1	Absent	Medical and 1X OU Trab/Trab+MMC
50.	PCG067	M	11 months	132 months	OU;OD>OS	12x13/13x14	21/24	Absent	Not visible	OU	Medical and 1X OU Trab/Trab+MMC
51.	PCG069	M	By birth	4 months	OU;OS>OD	13x13/12x13	24/26	Absent	0.5:1/0.6:1	Absent	Medical and 1X OU Trab/Trab+MMC
52.	PCG071	M	13 months	18 months	OU	12x12/12x12	22/23	Absent	0.4:1/0.4:1	Absent	Medical and 1X OU Trab/Trab+MMC
53.	PCG072	M	By birth	45 days	OU;OS>OD	12x12/12x11.5	20/24	Absent	No glow	OU	Medical and 1X OU Trab/Trab+MMC
54.	PCG073	M	By birth	2 months	OU;OS>OD	12.5x13/11x12	22/22	Absent	Hazy media	OU	Medical and 1X OU Trab/Trab+MMC

**Key:** M- male; F- female; H- homozygous; h-heterozygous; X- times; Trab/Trab+MMC- combined trabeculotomy trabeculectomy and mitomycin C treatment right eye; OS- left eye; OD-right eye; OU- both eyes; NA- not available