

Supplementary Data

Blind participants who constituted group 1

Subject No.	Age (Yrs.)	Sex	Cause of Blindness	Age at onset of Blindness (Yrs.)	*Visual Acuity (Left / Right)
1	13	M	Eye infection	<2	0/0
2	12.6	M	Eye infection	<2	0/0
3	12.5	M	Cataract	1.5	LP
4	13	M	unknown	2	0/0
5	13	M	Eye infection	<1.5	0/0
6	12	M	Optic nerve atrophy	2	0/0
7	12	M	Microphthalmos	0	0/0
8	14	M	Microphthalmos	0	0/HM
9	12	M	Optic nerve atrophy	2.5	0/0
10	13	M	Eye infection	2	0/0
11	13.5	M	Microphthalmos	0	0/0
12	14	M	Fundus Coloboma	0	0/0
13	12	M	Glaucoma(Post measles)	3	0/0
14	13.6	M	Microphthalmos	0	HM/0
15	12	M	Cataract	2	0/LP
16	14	F	Cataract	<3	LP
17	14.5	F	Microphthalmos	0	0/0
18	12	F	Optic nerve atrophy	2.5	0/0
19	12.5	F	Glaucoma(Post measles)	2	LP/0
20	13	F	Retinal detachment	3	0/0
21	13	F	unknown	<2	0/0
22	13	F	Microphthalmos	0	LP/0
23	14	F	Glaucoma	<2.5	0/LP
24	15	F	Optic nerve atrophy	3	0/0
25	14	F	Cataract	2	LP
26	12	F	Eye infection	1.5	0/0
27	13	F	Eye infection	2	0/0
28	13.5	F	Optic nerve atrophy	2.5	0/0
29	12.5	F	Glaucoma	2	0/LP
30	14	F	Eye infection	<2.5	0/0

Children with congenital cataracts who constituted group 3

Age	Gender	Pre-op acuity	Ophthalmic diagnosis	Post-op acuity
17	M	HM	TOTAL Cataract	1.5
12	M	PL/PR	TOTAL Cataract	1.47
22	M	FC@50cm	TOTAL Cataract	1.39
16	M	PL/PR	Membranous cat.	1.47
12	M	PL/PR	Polar (R) + membranous cat. (L)	1.3
12	M	FC@50cm	Zonular cataract	1.17
16	M	PL/PR	Membranous cat.	1.17
14	M	PL/PR	TOTAL Cataract	1.43
15	M	HM	Membranous cat.	1.51
12	M	PL/PR	Polar Cat.	1.47

HM: Hand movement

PL: Perception of light

PR: Projection of rays (direction of light)

FC: Finger counting