

RESULTS OF RAPID ASSESSMENT OF AVOIDABLE BLINDNESS

VISUAL OUTCOME AFTER CATARACT SURGERY (LONG-TERM OUTCOME)

Date and time of report: 05-10-2017 08:58:13

This report is for the survey area: Dattawadi

Year and month when survey was conducted: 2017- 6 until 2017- 8

The visual acuity of all subjects operated earlier is measured with available correction and with a pinhole. This report gives population based data on visual outcome, not specific for one surgeon or one hospital and with follow-up periods ranging from one month to several decades. When cataract surgery took place several years earlier, the chance of vision loss due to other causes than cataract increases. If the proportion of eyes with a visual outcome less than 6/60 is higher than 10%, research into the possible causes of poor visual outcome is indicated.

1. VA in operated eyes in sample with available correction (PVA)

	Non-IOL		IOL		Couching		Total	
	Eyes	%	Eyes	%	Eyes	%	Eyes	%
Very good: can see 6/12	1	5.6%	561	47.9%	0	0.0%	562	47.2%
Good: can see 6/18	0	0.0%	243	20.7%	0	0.0%	243	20.4%
Borderline: can see 6/60	8	44.4%	262	22.4%	0	0.0%	270	22.7%
Poor: cannot see 6/60	9	50.0%	106	9.0%	0	0.0%	115	9.7%
Total	18	100.0%	1,172	100.0%	0	0.0%	1,190	100.0%

2. VA in operated eyes in sample with best correction (BCVA)

	Non-IOL		IOL		Couching		Total	
	Eyes	%	Eyes	%	Eyes	%	Eyes	%
Very good: can see 6/12	1	5.6%	693	59.1%	0	0.0%	694	58.3%
Good: can see 6/18	1	5.6%	202	17.2%	0	0.0%	203	17.1%
Borderline: can see 6/60	7	38.9%	189	16.1%	0	0.0%	196	16.5%
Poor: cannot see 6/60	9	50.0%	88	7.5%	0	0.0%	97	8.2%
Total	18	100.0%	1,172	100.0%	0	0.0%	1,190	100.0%

3. VA in operated eyes in sample by years after surgery

	3 yrs postop		4 - 6 yrs postop.		7+ yrs postop		Total	
	Eyes	%	Eyes	%	Eyes	%	Eyes	%
Very good: can see 6/12	259	57.0%	146	46.3%	157	37.3%	562	47.2%
Good: can see 6/18	81	17.8%	72	22.9%	90	21.4%	243	20.4%
Borderline: can see 6/60	86	18.9%	74	23.5%	110	26.1%	270	22.7%
Poor: cannot see 6/60	28	6.2%	23	7.3%	64	15.2%	115	9.7%
Total	454	100.0%	315	100.0%	421	100.0%	1,190	100.0%

4. Age at time of surgery in males and females

	Males		Females		Total	
	Eyes	%	Eyes	%	Eyes	%
1 - 29	0	0.0%	0	0.0%	0	0.0%
30 - 39	1	0.2%	3	0.4%	4	0.3%
40 - 49	22	4.7%	42	5.8%	64	5.4%
50 - 59	91	19.6%	209	28.8%	300	25.2%
60 - 69	198	42.6%	299	41.2%	497	41.8%
70 - 79	141	30.3%	153	21.1%	294	24.7%
80+	12	2.6%	19	2.6%	31	2.6%
Total	465	100.0%	725	100.0%	1,190	100.0%

5. Place of surgery by sex

	Males		Females		Total	
	Eyes	%	Eyes	%	Eyes	%
Government Hosp.	109	23.4	144	19.9	253	21.3
Voluntary/charitable hospital	123	26.5	227	31.3	350	29.4
Private hospital	223	48.0	325	44.8	548	46.1
Eyecamp	10	2.2	29	4.0	39	3.3
Total	465	100.0	725	100.0	1,190	100.0

6. Post-op VA with available correction by place of surgery

	Gov. Hosp.		Vol. Hosp.		Priv. Hosp.		Eye camp		Total	
	Eyes	%	Eyes	%	Eyes	%	Eyes	%	Eyes	%
Very good: can see 6/12	100	39.5	150	42.9	297	54.2	15	38.5	562	47.2
Good: can see 6/18	54	21.3	77	22.0	106	19.3	6	15.4	243	20.4
Borderline: can see 6/60	65	25.7	89	25.4	104	19.0	12	30.8	270	22.7
Poor: cannot see 6/60	34	13.4	34	9.7	41	7.5	6	15.4	115	9.7
Total	253	100.0	350	100.0	548	100.0	39	100.0	1,190	100.0

7. Post-op presenting VA and causes of borderline and poor outcome

	Selection		Surgery		Spectacles		Sequelae		Can see 6/12		Total	
	Eyes	%	Eyes	%	Eyes	%	Eyes	%	Eyes	%	Eyes	%
Very good: can see 6/12	0	0.0	0	0.0	0	0.0	0	0.0	562	100.0	562	47.2
Good: can see 6/18	57	21.7	36	35.0	102	73.4	48	39.0	0	0.0	243	20.4
Borderline: can see 6/60	124	47.1	44	42.7	34	24.5	68	55.3	0	0.0	270	22.7
Poor: cannot see 6/60	82	31.2	23	22.3	3	2.2	7	5.7	0	0.0	115	9.7
Total	263	100.0	103	100.0	139	100.0	123	100.0	562	100.0	1,190	100.0

8. Proportion and type of surgery

	Males		Females		Total	
	Eyes	%	Eyes	%	Eyes	%
Non-IOL	5	1.1	13	1.8	18	1.5
IOL	460	98.9	712	98.2	1,172	98.5
Couching	0	0.0	0	0.0	0	0.0
Total	465	100.0	725	100.0	1,190	100.0