

Ophthalmic Surgery in Various Age Groups

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SURGERY for the cases with Ocular problems constitutes major population in the present day surgical cases in general hospitals. This becomes obvious also because of the priority of the problems considering eye, the most delicate organ, and vitally needed for the life of the person. Any ignorance towards the ocular problem may bring darkness for the whole life of a person.

With the advancement of medical sciences several sophisticated surgical techniques like Retinal Detachment, surgery penetrating Keratoplasty, Lamellar Keratoplasty, Glaucoma surgery and Ptosis surgery (sling) have also been developed for ocular surgery.

Considering the priority of the problem, advanced technique used and nature of the ocular problems, this becomes necessary to study

Table I
Showing Surgery Performed in Various Age Groups for Different Ocular Problems

Diagnosis	Sex	Age groups									Grand Total
		0-8	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89 & above	
Cataract	M	0	4	9	21	22	79	95	73	36	339
	F	0	4	6	9	47	80	102	56	12	316
Retinal Detachment	M	2	22	15	12	13	19	42	7	2	134
	F	0	6	6	6	11	15	9	3	1	57
Squint	M	10	23	22	1	3	0	0	0	0	59
	F	12	22	8	0	0	0	0	0	0	42
Paracentesis, Capsulotomy and Air Injection	M	3	4	4	2	2	4	2	3	1	25
	F	0	5	1	2	1	2	1	2	0	14
Cyclocryopexy	M	4	9	6	5	7	15	11	7	1	65
	F	4	7	1	3	2	5	4	4	0	30
Foreign Body Removal	M	3	4	18	4	0	0	1	0	0	29
	F	1	0	0	0	0	0	1	0	0	2
Entropion	M	0	0	2	0	2	2	3	3	0	12
	F	1	0	2	3	5	2	3	0	0	16
Blaskoviz & Ptosis & Sling	M	14	11	4	2	1	0	0	0	0	32
	F	4	5	0	0	1	0	0	0	0	10
Enucleation	M	9	4	1	0	4	1	0	2	0	21
	F	6	1	1	1	3	1	0	1	0	14
Probing	M	57	2	0	0	0	0	0	0	0	59
	F	40	0	0	0	0	0	0	0	0	40
Needling & Aspiration	M	13	14	11	0	0	0	0	0	0	38
	F	8	3	2	0	0	0	0	0	0	13
D. C. R.	M	5	1	9	6	1	4	0	1	0	27
	F	2	4	5	5	4	3	4	1	0	28
E. U. A.	M	42	0	0	0	0	0	0	0	3	42
	F	22	0	0	0	0	0	0	0	0	22
Canthoplasty & Tarsoraphy	M	2	3	1	0	1	3	2	1	0	13
	F	0	0	1	1	0	1	0	0	0	3
Synechiotomy, Iridectomy	M	2	3	3	0	2	4	2	0	1	17
	F	0	1	0	1	0	2	1	0	1	6
O. I. & C. I.	M	0	0	0	2	1	2	0	0	0	5
P. K. L. K.	F	0	0	0	0	0	0	0	1	1	1
		266	162	138	86	133	244	242	165	55	

the indicative surgical cases for various kinds of eye problems alongwith its use for the patients of various age groups.

The present study aimed at identifying the cases of various age groups, related nature of ocular problems and surgery used for the treatment. This helps in understanding frequency of surgical cases in various age groups.

Methods and Material

Sample: 1863 cases for whom ocular surgery was performed within the period of one year (December, 1980 to November, 1981) in the Department of Ophthalmology, Post-Graduate Institute of Medical Education and Research, Chandigarh, were retrospectively reviewed.

In the sample group only the cases for whom surgery was performed were included.

Methods: Information related to age, sex and diagnosis of these 1,863 cases were collected. This helped in identifying the diagnosis of cases in various age groups alongwith indicative sur-

gery and treatment.

Results: Results have been shown in Table I, describing surgery performed in different diagnostic groups at different age levels. Table II describes the surgical cases in the same way but with lesser frequency. Table III shows surgery performed disease-wise and lastly Table IV describes surgery, disease-wise, with lesser frequency.

Discussion: Results obtained signify Cataracts being the major group of surgical cases (655 male, female both 34%). Reason might be seen in the gradual increase of the surgery according to the progression of age. It is evident from the data that after the age of 40 years more cases have been operated for Cataract in both the sexes.

Age-wise, three groups seemed to be important where more than 250 cases in age group were reported, these age groups are 1-9 years, (319 cases), 50-59 (293 cases) and 60-69 (296 cases). This signifies that still prophylactic measures are immensely needed to protect the

Table II
Showing Surgery Performed with Less Frequency (in comparison to Table I) in Various Groups for Different Ocular Problems

Diagnosis	Sex	Age groups									Grand Total
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	
Eveceration	M	0	0	0	0	1	1	0	1	0	3
	F	0	1	0	0	0	0	0	0	0	1
Glaucoma & Tripano Trab	M	2	0	4	3	1	9	10	5	1	35
	F	0	0	1	1	5	5	8	1	0	21
Chalazion & Pterygium	M	1	2	14	2	4	4	1	0	1	29
	F	3	2	4	5	3	1	1	0	0	19
P. I. & Filtering	M	4	1	0	3	13	10	3	1	0	35
	F	1	2	0	2	12	2	10	0	0	29
Exeferation	M	2	0	0	1	3	1	1	2	0	10
	F	1	0	0	2	0	0	0	0	0	3
Goniotomy & Stich Removal	M	9	1	1	0	0	2	1	0	0	14
	F	4	0	3	0	2	2	0	0	0	11
Skin Graft & Dermoid Cyst	M	9(1)	7	2	0	0	0	3	1	0	13 (22)
	F	4	4	3	0	1	2	3	0	0	17
Cyclodialysis	M	2	0	0	0	0	1	2	2	0	7
	F	0	2	0	0	0	0	3	0	0	5
Pe forating Injury	M	1	0	2	0	0	0	0	1	0	4
	F	0	0	0	0	0	0	0	0	0	0
Aspiration of Orbit and Exploration	M	2	0	1	0	0	0	0	0	0	3
	F	0	1	0	0	0	1	0	0	0	2
Excission and Repair and Biopsy	M	4	0	2	1	6	0	3	2	0	18
	F	4	1	0	2	2	3	2	2	0	16
Scleral graft and Conjunctival Flap	M	0	0	0	1	2	4	3	0	0	10
	F	0	0	1	0	0	1	0	0	0	2
Tumor and Orbitotomy	M	1	0	1	0	2	0	0	1	0	6
	F	0	0	0	0	1	0	0	0	0	1
		54	24	39	23	58	49	54	19	2	

Table III

Showing the Number of Surgeries Performed, More Frequently, December, 1980 to November, 1981, for Different Diagnostic Groups

	M	F	Grand Total
1. Cataract	339	316	655
2. Retinal Detachment	134	57	191
3. Squint	59	42	101
4. Cyclocryopexy	65	30	95
5. Foreign Body Removal	29	2	31
6. Blaskoviz, Ptosis and sting	32	10	42
7. Enucleation	21	14	35
8. Probing	59	40	99
9. Needling and Aspiration	38	13	51
10. E. U. A.	42	22	64
11. Glaucoma and Trepano-Trabeculotomy	35	21	56
12. Chalazion and Pterygium	29	19	48
13. P. I. and Filtering	35	29	64
14. Excession & Repair and Biopsy	18	16	34
15. D. C. R.	27	28	55
	962	659	1621

Table IV

Showing the Number of Surgeries Performed Less Frequently for Different Diagnostic Groups

	M	F	Grand Total
1. P. K. L. K.	5	1	6
2. Synechiotomy Iridectomy O.I. & C.I.	17	6	23
3. Tumour and Orbitotomy	5	1	6
4. Scleral graft and Conjunctival Flap	10	2	12
5. Aspiration of Orbit & Exploration	3	2	5
6. Eveceration	3	1	4
7. Exenteration	10	3	13
8. Cyclodialysis	7	5	12
9. Perforating Injury	4	0	4
10. Goniotomy and Stich Removal	14	11	25
11. Skin Graft & Dermoid Cyst	22	17	39
12. Canthoplasty and Tarsoraphy	13	3	16
13. Entropion	12	16	28
14. Paracenticis Capsulotomy & Air Injection	25	15	39
	160	82	242

eyes at low-age levels. This prevention requires attention at the initial stage of life. These data suggest more surgical cases came from age groups 1-9 years. Most of the cases in this age group suffered problems due to accidents, seasonal and congenital. Sophisticated newly advanced surgical techniques like Retinal Detachment surgery, Penetrating Keratoplasty, Lamellar Keratoplasty and Glaucoma surgery were also used in the cases, 191, 6 and 56 respectively. The overall findings have implication in dealing

with preventive aspects in Ophthalmology, handling surgical problems and planning out the surgery of frequently reported ocular problems.

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Profiles of Award Winners

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Shirsode, District Jalgaon, Maharashtra State has an outstanding performance to her credit in many fields especially in the field of Family Planning, Maternity Child Health and in the field of Multipurpose Workers Scheme. She is very prompt in attending to emergency and her regular attendance in O.P.D. is remarkable. She always takes initiative in the National Health Programme such as Small Pox Eradication Programme, Mater-

nity Child Health and School Health Programme, Environmental Sanitation Programme. She has been awarded congratulatory certificate in the presence of Hon'ble Member, Legislative Assembly, Mr. Appasaheb Bhaskarao Rajaram Patil on January 13, 1981 for commendable work done and service rendered by her to the national cause by promoting Family Planning Movement in the year 1980-81, from District Health Officer, Zila Pari-

shad, Jalgaon. A special wrist watch was also awarded to her from Zila Parishad, Jalgaon, in the year 1973 for promoting and achievement of target of Family Planning and sincerely assisting the Surgeon. Her name was recommended by the Government of Maharashtra for her training in Australia in the year 1979. She has rendered 21 years in the field of Nursing.

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