Original Research Article

Visual outcome after PCIOL implantation in lens induced glaucoma

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Abstract

Background: Lens induced glaucoma is a type of secondary glaucoma which can be open angle or closed angle with an annual incidence estimated as 3.8 million. **Aims and Objectives:** To know the magnitude of lens induced glaucoma and to assess visual outcome and intra ocular pressure post operatively in lens induced glaucoma. **Materials and Methods:** 54 cases of lens induced glaucoma, admitted in ophthalmic wards of SVS Medical College and Hospital, Mahabubnagar, during the period June 2018 and May 2019. **Results:** The magnitude of lens induced glaucoma is 2.02%. 51% of the phacomorphic glaucomas and 60% of the phacolytic glaucomas recovered a good visual acuity (A vision of 6/12 or better is considered as good visual acuity). There was a significant risk of obtaining poor visual acuity when the duration between the onset of pain and surgery exceeded 2 weeks and the presenting IOP is >35mm Hg. **Conclusion:** Good visual acuity can be achieved in lens-induced glaucoma who underwent cataract surgery within two weeks of presentation and intraocular pressure of less than 35 mm Hg, with control of intraocular pressure and inflammation with medications pre and post operatively.

Key Words: Lens induced glaucoma, phacolytic glaucoma, phacomorphic glaucoma, visual acuity, intra ocular pressure.

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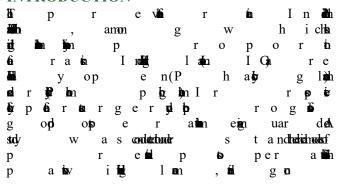
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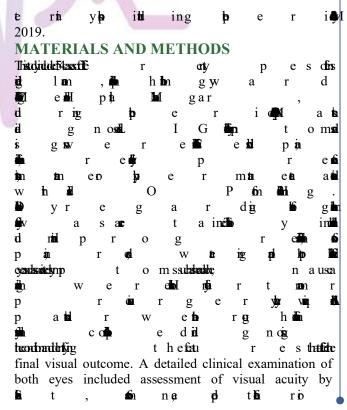
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INTRODUCTION





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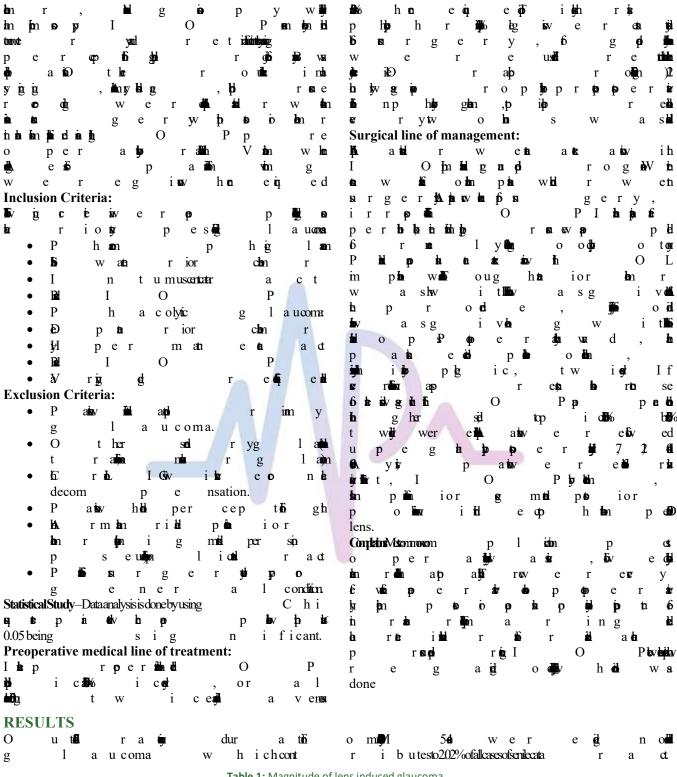


Table 1: Magnitude of lens induced glaucoma					
	No. Of Cases	Percentage			
Cataract	2672	100			
Lens Induced Glaucoma	54	2.02			

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	IOP(mm	Table 4: IOP at Pre Hg) No. Of Ca		_		
	21-30		28	_		
	31-40		24			
	>40	26	48	_		
	Table 5: IOP at preser			tic glaucoma otal		
	IOP(mm Hg) < 35	Phacomorphic 23	13	36		
	> 35	16	2	18		
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		/A in phacomorph	ic and phacolytic g			
	RCVΔ	f Cases Percentag				
	6/6 - 6/12 20	51.28	9	60		
	6/18-6/60 12	30.76		.3.33		
	<6/60 7 Total 39	17.94 100		100		
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and oo is show		7: Post OP IOP on	POD 1,21 and 60			
			morphic Phacol	<u>. </u>		
	Post Op IOP (0.	>21 <21 28 4	>21		
	POD 1 POD 2:		28 4 0 12	11 3		
	POD 60	39	0 15	0		
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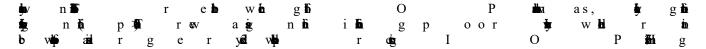


Table 8: Pre Op IOP and Final BCVA									
IOP(mm Hg)	6/6	6/6-6/12		6/18-6/60		<6/60		Total	
	No	%	No	%	No.	%	No	%	
20-30	2	66.66	0	0	1	33.33	3	100	
30-40	11	52.38	6	28.57	4	19.04	21	100	
>40	11	36.67	12	40	7	23.33	30	100	

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CONCLUSION

Good visual acuity can be achieved in lensw ħ R r d 16 оb a W 0 p e a t 0 p = h 1 i g h t alan ij 1 ab **28**01 0 r a o sis n m O d W O b Ι'n geh d r aian p e Б o nb wp r g achieved.

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