

노인의 안과 질환

Ocular Diseases in the Elderly

가

505

Choun - Ki Joo, M.D.

Department of Ophthalmology & Laboratory of Visual Science

The Catholic University of Korea College of Medicine

Kangnam St. Mary's Hospital

E - mail : ckjoo@catholic.ac.kr

21

가
가

2019 65 가 14%
가
가
20% ,

Abstract

The proportion of elderly patients is growing gradually in the field of ophthalmology, and the most common disease is cataract. The biggest concern of patients is the disturbance of their visual acuity, but diseases causing symptoms other than visual problems are also important. Although the most common cause of visual impairment in the elderly is cataract, we should be reminded that retinal diseases are increasing nowadays, such as age - related maculopathy, diabetic retinopathy, and hypertensive retinopathy. Other common diseases in the elderly include senile entropion, dermatochalasia, blepharitis, dry eye, pterygium, pinguecula, arcus senilis, senile cataract, age - related maculopathy, diabetic retinopathy, and glaucoma. When managing eye troubles in elderly patients, we should also pay attention to their underlying systemic diseases and potential effects of medications they are taking. Physicians should always bear in mind that appropriate management of ophthalmologic problems in elderly patients is directly related to their quality of life.

Keywords : Old aged patients; Ocular disease; Visual impairment; Systemic disease

: ; ; ;

가 (1, 2).

가

24%가
가 , 가 , ,
(3).

1.

Moon, 1986(4)		Kim et al, 1993(3)		Jung et al, 1998(5)	
Disease	%	Disease	%	Disease	%
Cataract	39.0	Cataract	44.7	Cataract	36.0
Refractive error	26.1	Hypertensive retinopathy	11.9	Refractive error	36.0
Hypertensive retinopathy	6.7	Diabetic retinopathy	10.0	Macular degeneration	7.4
Vitreous opacity	6.0	Refractive error	9.5	Corneal opacity	3.9
Glaucoma	3.5	Corneal opacity	7.4	Diabetic retinopathy	3(?)
Corneal opacity	2.3	Vitreous opacity	6.7	Hypertensive retinopathy	2(?)
Diabetic retinopathy	1.9	Glaucoma	5.9	Vitreous opacity	?
Others	14.5	Others	3.9	Others	?
Total	100.0	Total	100.0	Total	100.0

, 1980

가

가 3.5

, 1990

가

가 2:1

가

(4, 5).

가

가

30%

가

가

20%

가

가

(3~7).

60



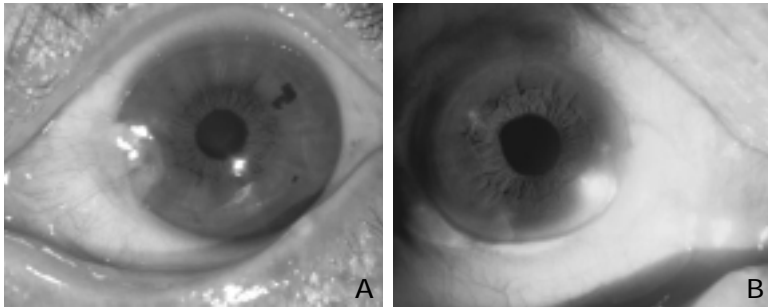
1)



,



3. A) B) C)



4. A) B)

가
(

3C).

1~2

가

(19~21).

(17, 18).

2.

3)

1)

가

, 가

(3A).

(4A).

(

20~40

가

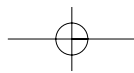
3B)

,

가 가

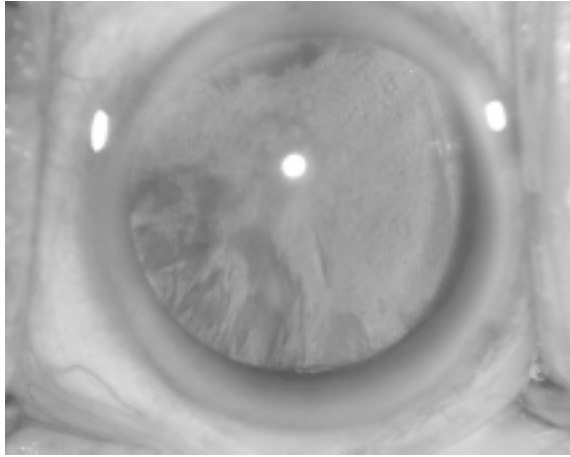
15%

, ,



Special Issue

가



5. -

3.

가 .
2/3가 40~60
80 100% .
가
(24).

가
가 가 가

가
(22). 가 가 가 가
2) (6).

(4B). 가 80 가 .
3~9
가

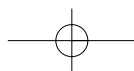
(23).

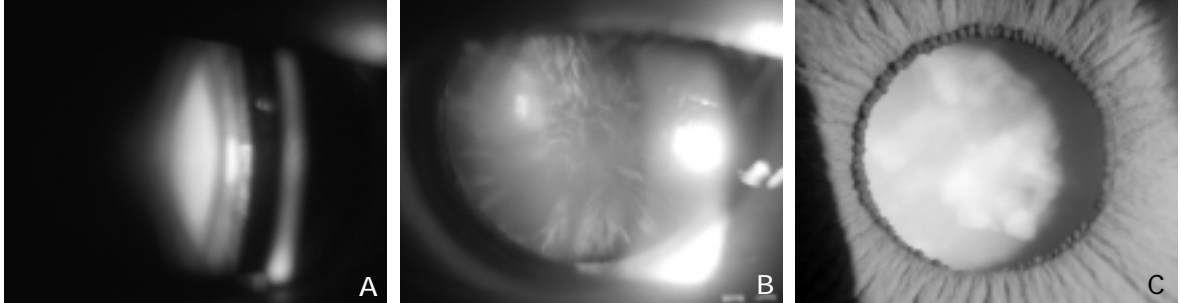
(25).

3)

4.

(5).
가 가 가 ,

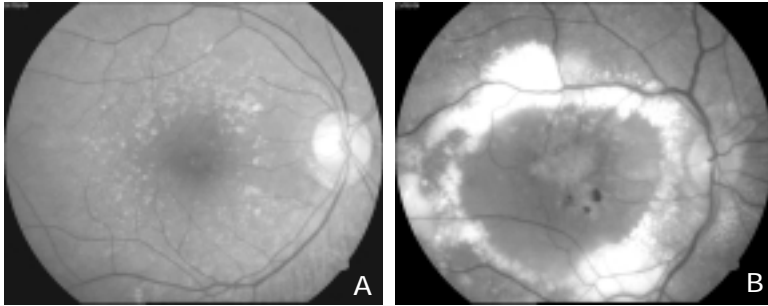




6. A)

B)

C)



A)

B)

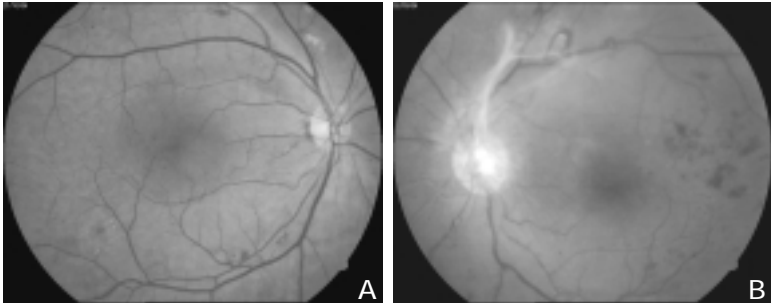
7.

가
· (age -
related maculopathy, ARM)
(early) (late) ,

(7).

가
가 , , 가
가 , 가
가 ,
가 .
(zinc)

1) 21% (26). 12~ 10%
(age - related macular degene-
ration) 가 ,



8. A)

B)

가

가

가

(8A)

가

가

(8B).

ICG

(27).

(

)

가

6

(29).

(Photodynamic therapy,

PDT) (28).

5.

가

가

2)

(9).

가



1. . 1979; 20: 555 - 8
2. . 1992; 33 - 53
3. (). 1993; 34: 1275 - 81
4. . 1986; 27: 612 - 7
5. . 1998; 39: 1274 - 81
6. Martinez GS, Campbell AJ, Reinken J, Allan BC. Prevalence of ocular disease in a population study of subjects 65 years old and older. *Am J Ophthalmol* 1982; 94: 181 - 9
7. Riffat R, Kibela SL. Occurrence of eye disorders and need for treatment in the elderly nursing homes. *Acta Ophthalmologica* 1989; 67: 657 - 63
8. . 1999; 40: 2875 - 84
9. Nerad JA. The diagnosis and treatment of entropion. In: Krachmer JH. *Oculoplastic surgery: the requisites in ophthalmology*. 1st ed. St. Louis: Mosby, 2001: 89 - 103
10. Collin JR, Rathbun JE. Involutional entropion: a review with evaluation of a procedure. *Arch Ophthalmol* 1978; 96: 1058 - 64
11. Nerad JA. The daignosis and treatment of ectropion. In: Krachmer JH. *Oculoplastic surgery: the requisites in ophthalmology*. 1st ed. St. Louis: Mosby, 2001: 71 - 88
12. Nowinski TS, Anderson RL. The medial spindled procedure for involutional medial ectropion. *Arch Ophthalmol* 1985; 103: 1750 - 3
13. Lemke BN, Stasior OG. The anatomy of eyebrow ptosis. *Arch Ophthalmol* 1982; 100: 981 - 6
14. Jelks GW, Jelks EB. Preoperative evaluation of the blepharoplasty patient. By - passing the Pitgalls. *Clin Plast surg* 1993; 202: 13
15. Putterman. *Cosmetic oculoplastic surgery: eyelid forehead and facial technique*. 3rd ed. Philadelphia: WB Saunders, 1999: 101 - 50
16. Weng CJ, Nordhoff MS. Complication of oriental blepharoplasty. *Plast Reconstr Surg* 1989; 83: 622 - 8
17. Baylis HI, Long JA, Groth MJ. Transconjunctival lower eyelid blepharoplasty. Technique and complications. *Ophthalmology* 1989; 96: 1027 - 32
18. Beard C. Lower lid blepharoplasty. *Ophthalmology* 1978; 85: 712 - 5
19. Gorden LR, Murphy B, Rodnite J, Genvert GI. Lid flora in blepharitis. *Cornea* 1991; 10: 50 - 3
20. Mathers WD, Mathers WD, Shields WJ, Sachdev MS, Petroll WM, Jester JV. Meibomian gland dysfunction in chronic blepharitis. *Cornea* 1991; 10: 277
21. Shields WJ. Criteria for the evaluation of lid margin in blepharitis. *Invest Ophthalmol Vis Sci* 1990; 31(Suppl): 483
22. Moran DJ, Hollow FC. Pterygium and ultraviolet radiation: a positive correction. *Br J Ophthalmol* 1984; 68: 182
23. Fuchs. E. Zur anatomic der pinguecula. *Arch f. Ophth* 1891; 38: 143
24. Corgan DG, Kuwabara T. Arcus senilis: its pathology and histochemistry. *Arch Ophthalmol* 1959; 61: 353

25. Steinert RF, I. Howard Fine, Howard VG, Douglas QK, Richard LL, Robert HO, et al. Cataract surgery: Techniques, Complications, and Management. 2nd ed. Philadelphia: Saunders, 2004: 1 - 17
26. . . . 2nd ed. . . . , 2005: 359 - 71
27. . . . 2nd ed. . . . , 2005: 372 - 83
28. . . . 2nd ed. . . . , 2005: 384 - 401
29. . . . 1st ed. . . . , 2000: 64 - 9, 130 - 52
30. . . . 3rd ed. . . . , 2003: 1 - 82
31. Novack GD, O'Donnell MJ, Molloy DW. New glaucoma medications in the geriatric population: efficacy and safety. J Am Geriatr Soc 2002; 50: 956 - 62