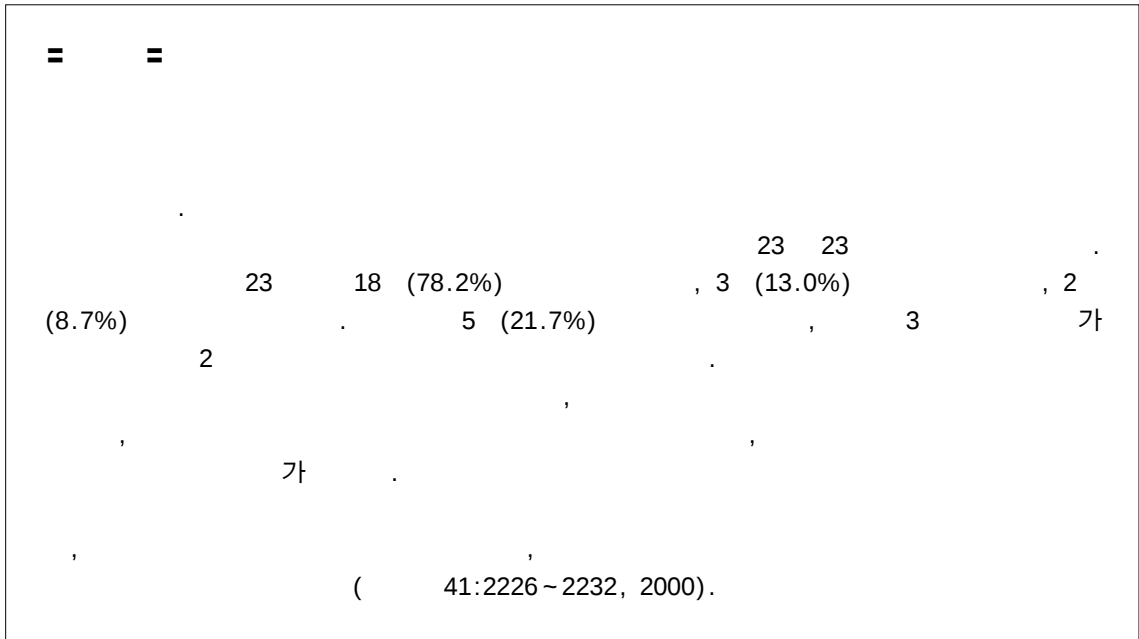




Abstract

Effects of Vitrectomy on the Clinical Course of Chronic Uveitis

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This study was undertaken to evaluate the efficacy of vitrectomy in the patients with chronic uveitis complicated with vitreous opacity and/or epiretinal membrane formation. We reviewed the records of 23 eyes of 23 patients with recurrent chronic uveitis. Final visual acuity improved in 18(78.3%) of 23 eyes, unchanged in

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* 1998 81

3 eyes(13.0%), but decreased in 2 eyes(8.7%). Five eyes showed a reactivation of inflammation after surgery. In 2 eyes of them, the recurrence was so severe to decrease visual acuity. Intraoperative factors which may be associated with the postoperative recurrence were incomplete vitrectomy, no cryotherapy in the peripheral uveitis with neovascularization, and type of uveitis. However the preoperative severity and recurrence rate of the disease were not significant factors in postoperative recurrence.

Our results indicate that the chronic recurrent uveitis with poor vision would be a good indication for vitrectomy, and in these cases, complete vitrectomy and combined cryotherapy may result in better prognosis(J Korean Ophthalmol Soc 41:2226~2232, 2000).

Key Words : Cryotherapy, Epiretinal membrane, Uveitis, Vitrectomy, Vitreous opacity

5-12)

1,2)

가

()

23 23

가
(B-scan)

3)

3 port

(membrane pick)

4)

, SF₆ 가

16

가

, SF₆ 가

(Table 3).

Table 2. Preoperative ocular findings

Ocular finding	No. of case
Vitreous opacity	
dense	7
moderate	13
Snow bank	13
Tractional retinal detachment	11
Preretinal membrane	14
Cataract	9
Cystoid macular edema	5
Macular pucker	2
Macular hole	1

Table 3. Surgical procedures combined with vitrectomy

surgical procedure	No. of case
PPV + lensectomy	1
PPV + P-PCL	1
PPV + CT + SB	1
PPV + MP	3
PPV + MP + SF ₆	1
PPV + MP + EL	1
PPV + MP + P-PCL	1
PPV + MP + CT	2
PPV + MP + CT + P-PCL	1
PPV + MP + CT + SB	1
PPV + MP + CT + SB + P-PCL	2
PPV + MP + CT + SB + SO	1
PPV + MP + CT + SO + ECCE	2
PPV + MP + CT + SF ₆	2
PPV + MP + CT + SF ₆ + SB	1
PPV + MP + CT + SF ₆ + EL	1
PPV + MP + CT + SF ₆ + EL + SB	1

PPV : pars plana vitrectomy

MP : membrane peeling, CT : cryotherapy

P-PCL : phacoemulsification with PCL implantation

SB : scleral buckle, SF₆ : SF₆ gas injection

SO : silicone oil injection, EL : endolaser therapy

ECCE : extracapsular cataract extraction

Pearson's correlation
 chi-square test

23 13
 36.7 (24~88)
 27.1 (3~90)
 23

14 가
 5 , 2 (Table 1).
 20

(snow bank),

(Table 2).

, 360. 1 가 6
 4.6
 (1~12)
 15.3 (5~60)
 2.7 (1~5)

Table 1. Diagnosis of chronic uveitis patients

Diagnosis	No. of case
Intermediate uveitis	14
Posterior uveitis	5
Behcet's disease	2
Panuveitis	1
Vasculitis	1
Total	23

7, 3, 2 (100%), 1 (100%), 1 (20%), 1 (7.1%)
 3, 1, 가
 SF₆ 가, 2, 1
 23, 18 (78.3%)
 , 3 (13.0%), 2 (8.7%)
 15 (65.2%), 0.4
 1 (4.3%), 12
 (52.2%) 가 (Table 4).

17
 5, 2, 2 (11.8%)
 , 6, 3 (50%)
 , 가, 11
 1, 2, 3, 3, 1 (33.3%)
 6 (Table 5). 23, 5
 3
 가, 2

Table 4. Initial versus final visual acuity

visual acuity	Initial(%)	Final(%)
0.4≤	1	12(52.2)
0.4>	10(43.5)	7(30.4)
0.1>	7(30.4)	1
0.05>	5(21.7)	3
Improved		18(78.3)
2 line or more improved		15(65.2)

1978 Diamond Kaplan¹⁴⁾
 가 5-12)

Table 5. Postoperative complications

	Intermediate uveitis(n=14)	Posterior uveitis(n=5)	Behcet's disease(n=2)
RD		1	
MP	1	1	
PVR	2	1	
Cataract	4	2	
Glaucoma	2	1	
Band keratopathy			1

RD : retinal detachment, MP : macular pucker, PVR: proliferative vitreoretinopathy

, 52.2% 0.4

가

Heiligenhaus⁸⁾ 가

28 82.8%

¹⁵⁾, 57% 6/24

25

56% 32% 0.5

Verbraeken¹¹⁾

30 63.3% 50%

0.1 Yu Chung¹⁰⁾

1,5,12)

가

가

가 63.3% 86%

18-22)

6,8,11,16)

4,8)

가

8)

. Green²⁾

가

가

8,10,11)

^{2,15)}, Brinkman

Otto⁴⁾

가

²³⁾

가

(infiltrative shortening)

가

16,17)

가

가, Heiligenhaus

^{3,6)}

5

2

, Heiligenhaus⁸⁾

6

3

23

78.3%

23

5

65.2%

가

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가 (P<0.05),
가

12)

가

1,8,24)

25)

가

가

1,13)

가

26-28)

가

가

가

27)

(barrier)

3)

가

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