

Factors associated with recurrence of bleb-related infections

メタデータ	言語: eng
	出版者:
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	キーワード (Ja):
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	作成者: 小澤, 憲司
	メールアドレス:
	所属:
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Table 1. Background and demographics of participants

Patients       103         Age [range] (years)       59 [41, 69]         Sex, male (%) and female (%)       61 (59.2%) and 42 (40.8%)         Diabetes number (%)       11 (10.7%)         Right/Left eyes       60 (55.6 %) /48 (44.4 %)         Refractive error (spherical equivalent)       -2.25 D [-7.00, 0.50 D]         Morphology of bleb       94 (88.7%)         Cystic       94 (88.7%)         Diffuse       11 (10.4%)         Flat       1 (0.9%)         Vascularity of bleb       4 (89.7%)         Avascular       96 (89.7%)         Hypervascularity       10 (9.3%)         Hypervascularity       1 (0.9%)         Lens status       Flatian         Phakia       75 (69.4%)         Aphakia       9 (8.3%)         Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       5-fluorouracil         9 (8.4%)       9 (8.4%)         Mitomycin C       96 (89.7%)         0.02 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)	Number of eyes	108
Age [range] (years)       59 [41, 69]         Sex, male (%) and female (%)       61 (59.2%) and 42 (40.8%)         Diabetes number (%)       11 (10.7%)         Right/Left eyes       60 (55.6 %) /48 (44.4 %)         Refractive error (spherical equivalent)       -2.25 D [-7.00, 0.50 D]         Morphology of bleb       94 (88.7%)         Cystic       94 (88.7%)         Diffuse       11 (10.4%)         Flat       1 (0.9%)         Vascularity of bleb       4 (89.7%)         Avascular       96 (89.7%)         Hypervascularity       1 (9.3%)         Hypervascularity       1 (0.9%)         Lens status       75 (69.4%)         Phakia       75 (69.4%)         Aphakia       9 (8.3%)         Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       5-fluorouracil       9 (8.4%)         Mitomycin C       96 (89.7%)         0.02 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       75 (69.4%)         Primary open angle glaucoma       38 (35.2%) <t< td=""><td></td><td></td></t<>		
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Cystic       94 (88.7%)         Diffuse       11 (10.4%)         Flat       1 (0.9%)         Vascularity of bleb       96 (89.7%)         Avascular       96 (89.7%)         Hypovascularity       1 (0.9%)         Lens status       75 (69.4%)         Phakia       75 (69.4%)         Aphakia       9 (8.3%)         Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       5-fluorouracil         Mitomycin C       96 (89.7%)         0.02 mg       1 (0.9%)         0.03 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       2 (1.9%)         Primary open angle glaucoma       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	Refractive error (spherical equivalent)	-2.25 D [-7.00, 0.50 D]
Diffuse         11 (10.4%)           Flat         1 (0.9%)           Vascularity of bleb         96 (89.7%)           Avascular         96 (89.7%)           Hypovascularity         10 (9.3%)           Hypervascularity         1 (0.9%)           Lens status         75 (69.4%)           Phakia         75 (69.4%)           Aphakia         9 (8.3%)           Intraocular lens         24 (22.2%)           Filtering surgery with antifibrotic agents         9 (8.4%)           5-fluorouracil         9 (8.9.7%)           0.02 mg         1 (0.9%)           0.03 mg         1 (0.9%)           0.05 mg         1 (0.9%)           0.1 mg         75 (69.4%)           0.2 mg         18 (16.7%)           None         2 (1.9%)           Types of glaucoma (%)         2 (1.9%)           Primary open angle glaucoma         38 (35.2%)           Normal tension glaucoma         15 (13.9%)           Primary angle closure glaucoma         3 (2.8%)	Morphology of bleb	
Flat 1 (0.9%)  Vascularity of bleb  Avascular 96 (89.7%) Hypovascular 10 (9.3%) Hypervascularity 1 (0.9%)  Lens status Phakia 75 (69.4%) Aphakia 9 (8.3%) Intraocular lens 24 (22.2%)  Filtering surgery with antifibrotic agents 5-fluorouracil 9 (8.4%) Mitomycin C 96 (89.7%) 0.02 mg 1 (0.9%) 0.03 mg 1 (0.9%) 0.05 mg 1 (0.9%) 0.1 mg 75 (69.4%) 0.2 mg 18 (16.7%) None 2 (1.9%)  Types of glaucoma (%) Primary open angle glaucoma 38 (35.2%) Normal tension glaucoma 15 (13.9%) Primary angle closure glaucoma 3 (2.8%)	Cystic	94 (88.7%)
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Avascular Hypovascular Hypervascularity  Lens status Phakia Phakia Aphakia Intraocular lens  Filtering surgery with antifibrotic agents 5-fluorouracil Mitomycin C 0.02 mg 1 (0.9%)  0.03 mg 1 (0.9%)  0.05 mg 1 (0.9%)  0.1 mg 0.2 mg 1 (0.9%)  0.2 mg 1 (0.9%)  0.75 (69.4%)  0.96 (89.7%)  0.10 mg 1 (0.9%)  0.10 mg 3 (2.8%)  Types of glaucoma (%) Primary open angle glaucoma Primary angle closure glaucoma  Rose (89.7%)  1 (0.9%)	Flat	1 (0.9%)
Hypovascular       10 (9.3%)         Hypervascularity       1 (0.9%)         Lens status       75 (69.4%)         Phakia       75 (69.4%)         Aphakia       9 (8.3%)         Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       9 (8.4%)         5-fluorouracil       9 (8.9.7%)         Mitomycin C       96 (89.7%)         0.02 mg       1 (0.9%)         0.03 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       2 (1.9%)         Primary open angle glaucoma       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	Vascularity of bleb	
Hypervascularity       1 (0.9%)         Lens status       75 (69.4%)         Aphakia       9 (8.3%)         Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       5-fluorouracil       9 (8.4%)         Mitomycin C       96 (89.7%)         0.02 mg       1 (0.9%)         0.03 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	Avascular	96 (89.7%)
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Intraocular lens       24 (22.2%)         Filtering surgery with antifibrotic agents       9 (8.4%)         5-fluorouracil       96 (89.7%)         0.02 mg       1 (0.9%)         0.03 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	Phakia	75 (69.4%)
Filtering surgery with antifibrotic agents  5-fluorouracil 9 (8.4%) Mitomycin C 96 (89.7%) 0.02 mg 1 (0.9%) 0.03 mg 1 (0.9%) 0.05 mg 1 (0.9%) 0.1 mg 75 (69.4%) 0.2 mg 18 (16.7%) None 2 (1.9%)  Types of glaucoma (%) Primary open angle glaucoma Normal tension glaucoma Primary angle closure glaucoma 3 (2.8%)	Aphakia	9 (8.3%)
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Mitomycin C  0.02 mg  1 (0.9%)  1 (0	Filtering surgery with antifibrotic agents	
0.02 mg       1 (0.9%)         0.03 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Primary open angle glaucoma       15 (13.9%)         Normal tension glaucoma       3 (2.8%)	5-fluorouracil	9 (8.4%)
0.03 mg       1 (0.9%)         0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Primary open angle glaucoma       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	Mitomycin C	96 (89.7%)
0.05 mg       1 (0.9%)         0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Primary open angle glaucoma       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	0.02 mg	1 (0.9%)
0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Primary open angle glaucoma       35 (13.9%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	0.03 mg	1 (0.9%)
0.1 mg       75 (69.4%)         0.2 mg       18 (16.7%)         None       2 (1.9%)         Types of glaucoma (%)       38 (35.2%)         Primary open angle glaucoma       38 (35.2%)         Normal tension glaucoma       15 (13.9%)         Primary angle closure glaucoma       3 (2.8%)	0.05 mg	1 (0.9%)
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Types of glaucoma (%)  Primary open angle glaucoma  Normal tension glaucoma  Primary angle closure glaucoma  38 (35.2%)  15 (13.9%)  3 (2.8%)		
Primary open angle glaucoma  Normal tension glaucoma  Primary angle closure glaucoma  38 (35.2%)  15 (13.9%)  3 (2.8%)	Types of glaucoma (%)	, ,
Normal tension glaucoma 15 (13.9%) Primary angle closure glaucoma 3 (2.8%)	. ,	38 (35.2%)
Primary angle closure glaucoma 3 (2.8%)		
	-	
	Developmental glaucoma	27 (25.0%)

Secondary glaucoma	24 (22.2%)
Posner-Schlossman	1
Steroid	2
Trauma	4
Uveitis	5
Capsular	5
Unknown	7
Congenital	1 (0.9%)
Bleb revision before initial BRI	12 (11.1%)
Stage of BRI at diagnosis	
Stage I	65 (60.2%)
Stage II	20 (18.5%)
Stage III	23 (21.3%)
Years from surgery to initial infection	6.30 [3.20, 10.77]
IOP at onset of initial BRI (mmHg)	9.0 [5.0, 12.5]
IOP at onset of initial BRI ≤5 mmHg (Hypotony)	30 (29.1%)
Bleb leakage at onset of initial BRI	52 (48.1%)
Hypotony+, Bleb leakage+	20 (18.5%)
Hypotony+, Bleb leakage-	10 (9.3%)
Hypotony-, Bleb leakage+	30 (27.8%)
Hypotony-, Bleb leakage-	43 (39.8%)
IOP was unknown at onset	5 (4.6%)
Bleb leakage after the resolution of initial BRI	33 (33.7%)
Hypotony+, Bleb leakage+	7 (6.5%)
Hypotony+, Bleb leakage-	5 (4.6%)
Hypotony-, Bleb leakage+	26 (24.1%)
Hypotony-, Bleb leakage-	56 (51.9%)
IOP was unknown after initial BRI	14 (13.0%)
Oozing at the onset of initial BRI	7 (7.0%)
Hypotony after the resolution of initial BRI	12 (12.5%)
Oozing after the resolution of initial BRI	8 (8.2%)
Use of prophylactic antibacterial drops	81 (75.7%)

Use of prophylactic steroid drops	12 (11.1%)	
Treatment at initial infection		
Topical and systemic	35 (32.4%)	
Subconjunctival injection	42 (38.9%)	
Intracameral injection	6 (5.6%)	
Intravitreal injection	3 (2.8%)	
Vitrectomy	22 (20.4%)	
Recurrent eye	21 (19.4%)	

BRI: bleb related infection, IOP: intraocular pressure