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Factors associated with recurrence of bleb-related infections

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Table 3. Cox proportional hazards analysis of factors associated with recurrence of BRI

	Unadjusted			Adjusted for age		
	HR	95%CI	P value	HR	95%CI	P value
Age	0.985	0.960-1.010	0.239	-	-	-
Sex (patient base)	1.017	0.406-2.460	0.970	1.131	0.461-2.773	0.788
Diabetes (patient base)	1.249	0.366-4.262	0.723	1.531	0.425-5.518	0.515
Laterality	0.916	0.387-2.165	0.841	0.943	0.399-2.232	0.894
Refractive error (D)	0.959	0.878-1.047	0.351	0.978	0.899-1.063	0.597
Morphology of bleb						
Cystic	1[Reference]	-	-	1[Reference]	-	-
Diffuse	1.086	0.250-4.712	0.913	1.044	0.240-4.542	0.954
Flat	n.c.			n.c.		
Vascularity of bleb						
Avascular	1[Reference]	-	-	1[Reference]	-	-
Hypovascular	0.461	0.061-3.474	0.452	0.438	0.058-3.321	0.424
Hypervascularity	n.c.			n.c.		
Bleb leakage						
At onset of initial BRI	2.183	0.842-5.660	0.108	2.072	0.794-5.406	0.137
After resolution of initial BRI	2.882	1.129-7.354	0.027	3.137	1.206-8.162	0.019
Oozing						
At onset of initial BRI	0.655	0.087-4.917	0.681	0.676	0.089-5.125	0.705
After resolution of initial BRI	1.573	0.456-5.428	0.474	1.618	0.465-5.626	0.449
Lens status						
Phakia	1[Reference]	-	-	1[Reference]	-	-

Intraocular lens	0.652	0.187-2.275	0.503	0.780	0.214-2.845	0.706
Aphakia	2.674	0.869-8.225	0.086	2.801	0.912-8.604	0.072
Prophylactic use of topical antibiotics	3.945	0.918-16.940	0.065	3.538	0.799-15.660	0.096
Prophylactic use of topical steroids	1.772	0.406-7.730	0.447	2.185	0.477-10.010	0.314
Infection stage						
Stage I	1[Reference]	-	-	1 [Reference]	-	-
Stage II	0.701	0.204-2.413	0.573	0.806	0.229-2.833	0.737
Stage III	0.453	0.103-1.994	0.295	0.408	0.092-1.810	0.239
Antibiotic therapy						
Topical/systemic only	1[Reference]	-	-	1[Reference]	-	-
Subconjunctival injection	0.703	0.277-1.786	0.459	0.750	0.291-1.932	0.552
Intracameral injection	0.547	0.069-4.315	0.567	0.579	0.073-4.566	0.604
Intravitreal injection	n.c.			n.c.		
Vitrectomy	0.373	0.081-1.720	0.206	0.350	0.076-1.615	0.178
Bleb revision before the initial BRI	0.550	0.127-2.389	0.425	0.494	0.113-2.172	0.350
IOP ≤5 mmHg (Hypotony)						
At onset of initial BRI	0.301	0.126-0.716	0.007	0.266	0.111-0.641	0.003
After resolution of initial BRI	0.782	0.181-3.381	0.742	0.780	0.180-3.374	0.740
5-FU vs MMC	2.120	0.283-15.850	0.464	2.126	0.284-15.900	0.463

BRI, bleb-related infection; IOP, intraocular pressure; 5-FU, 5-fluorouracil; MMC, Mitomycin C; n.c., not calculated