

Supplement 2. Multivariable analysis of factors associated with FB-associated ocular injury among ocular injury patients at community hospitals in Thailand subgroup analysis by department

Supplementary file for:

“Prevalence and factors associated with foreign body-associated ocular injury among ocular injury patients in four community hospitals, central, thailand; a multicenter study”

Supplementary Table 2 Multivariable analysis of factors associated with FB-associated ocular injury among ocular injury patients at community hospitals in Thailand subgroup analysis by department

Variables	ER					OPD				
	Non-FB associated ocular injury	FB-associated ocular injury	aPR	95%CI	p-value	Non-FB associated ocular injury	FB-associated ocular injury	aPR	95%CI	p-value
	n (%)	n (%)				n (%)	n (%)			
Gender										
Male	894 (34.5)	1,698 (65.5)	1.10	1.00, 1.21	0.042*	509 (28.6)	1,272 (71.4)	1.15	1.04, 1.26	0.004*
Female	613 (47.5)	678 (52.5)	ref			716 (47.0)	808 (53.0)	ref		
Age (years old)										
Median (IQR)	45 (32-59)	41 (31-54)				49 (35-64)	42(30-56)			
Mean ± SD	46 ± 17	43 ± 15	1.00	0.99, 1.00	0.673	50 ± 18	44 ± 16	1.00	0.99, 1.00	0.324
Occupation (n=5,302)										
Manual labor	613 (27.4)	1,627 (72.6)	1.03	0.93, 1.15	0.543	464 (23.7)	1,493 (76.3)	1.05	0.94, 1.18	0.381
Non-manual labor	175 (31.7)	377 (68.3)	ref			181 (32.7)	372 (67.3)	ref		
Hospital level										
M2	544 (25.2)	1,611 (74.8)	1.46	1.32, 1.62	<0.001*	638 (25.2)	1,892 (74.8)	2.63	2.24, 3.08	<0.001*
F2	963 (55.7)	765 (44.3)	ref			587 (75.7)	188 (24.3)	ref		
Onset of injury (hr)										
Less than 1	535 (51.4)	506 (48.6)	ref			247 (60.0)	165 (40.1)	ref		
1 to less than 24	573 (29.8)	1,353 (70.3)	1.27	1.14, 1.40	<0.001*	130 (33.9)	254 (66.2)	1.17	0.95, 1.42	0.136
Equal or more than 24	399 (43.6)	517 (56.4)	1.22	1.08, 1.39	0.002*	848 (33.8)	1,661 (66.2)	1.08	0.92, 1.28	0.334

Variables	ER					OPD				
	Non-FB associated ocular injury	FB-associated ocular injury	aPR	95%CI	p-value	Non-FB associated ocular injury	FB-associated ocular injury	aPR	95%CI	p-value
	n (%)	n (%)				n (%)	n (%)			
Mechanism of injury										
Blunt	76 (83.5)	15 (16.5)	ref			30 (60.0)	20 (40.0)	ref		
Sharp	27 (3.4)	757 (96.6)	3.94	2.35, 6.61	<0.001*	13 (2.4)	540 (97.7)	1.87	1.18, 2.98	0.008*
Unknown	1,404 (46.7)	1,604 (53.3)	3.52	2.11, 5.88	<0.001*	1,182 (43.8)	1,520 (56.3)	1.61	1.03, 2.52	0.037*
Causative objects										
Metal/stone	17 (2.5)	651 (97.5)	1.68	1.49, 1.89	<0.001*	5 (1.3)	371 (98.7)	1.26	1.07, 1.49	0.005*
Thermal/chemical agent	21 (12.9)	142 (87.1)	1.23	1.03, 1.46	0.021*	15 (16.5)	76 (83.5)	1.10	0.86, 1.39	0.453
Wood stick	96 (71.1)	39 (28.9)	0.63	0.46, 0.87	0.004*	25 (52.1)	23 (47.9)	0.81	0.54, 1.23	0.330
Organic compound	79 (9.7)	732 (90.3)	1.82	1.66, 2.00	<0.001*	68 (11.5)	525 (88.5)	1.41	1.27, 1.56	<0.001*

ER; emergency room, OPD; outpatient department, SD; standard deviation * Statistical significant