

Table 2 Bivariate and multivariate binary logistic regression on determinants of corrective upper eyelid surgery refusals among trichomatous trichiasis patients

Determinant	Cases (n = 338)	Controls (n = 338)	cOR (95% CI)	aOR (95% CI)
Duration of TT				
≤ 5 years	271	208	Reference	Reference
> 5 years	67	130	0.40 (0.28–0.56)	0.50 (0.31–0.79)*
Frequency of epilation				
No epilation	204	145	Reference	Reference
> once a week	27	74	0.27 (0.16–0.43)	0.31 (0.17–0.6)*
Once/week to once/month	37	58	0.46 (0.30–0.74)	0.49 (0.27–0.86)*
< once a month	66	55	0.87 (0.58–1.32)	0.96(0.57–1.61)
Knowledge about eyelid surgery				
No	50	17	Reference	Reference
Yes	288	321	0.31 (0.17–0.54)	0.32 (0.16–0.64)*
Age (years)				
16–30	48	34	Reference	Reference
31–45	115	83	0.98 (0.58–1.65)	1.09 (0.57–2.09)
46–60	79	115	0.49 (0.29–0.82)	0.53 (0.27–1.03)
>60	96	106	0.64 (0.38–1.08)	1.03 (0.52–2.03)
Knowledge about TT				
Yes	197	256	Reference	Reference
No	141	181	2.23 (1.61–3.11)	1.77 (1.18–2.65)*
Trust in IECWs				
No	98	25	Reference	Reference
Yes	240	313	0.20 (0.12–0.31)	0.26 (0.15–0.45)*
Decision-maker in family				
Self	325	307	Reference	Reference
Discussion with a family member	11	31	0.40 (0.2–0.77)	0.29 (0.13–0.64)*
Got personal advice				
No	177	198	Reference	Reference
Family	17	19	0.49 (0.25–1.00)	0.83(0.34–1.99)
Friends	24	54	0.26 (0.15–0.44)	0.26 (0.14–0.50)*
Health Development Army	7	28	0.14 (0.06–0.33)	0.11 (0.04–0.28)*
Government body	113	141	0.44 (0.31–0.63)	0.46 (0.3–0.70)*
Observed surgery outcome				
Not observed	68	54	Reference	Reference
Poor	129	41	2.50 (1.51–4.12)	3.51 (1.94–6.35)*
Good	141	243	0.46 (0.31–0.70)	0.63 (0.38–1.02)

Cases had been offered corrective upper eyelid surgery but had refused.

Controls had been operated on for corrective upper eyelid surgery.

cOR = crude odds ratio.

aOR = adjusted odds ratio.

CI = confidence interval.

IECWs = integrated eye care workers.

*Statistically significant in multivariate analysis ($P < 0.05$).