

Supplementary 9

Summary of re-operation rate -

Subgroups analysis of single-jaw mandible vs bimaxillary surgery, including covariates

Re-operation		OR	p-value	95% CI
Operation categories	Single jaw – mandible	1		(ref)
	Bimaxillary surgery	3.034	0.089	0.8458–10.89
Gender	Male	1.135	0.789	0.449–2.871
	Female (ref)	1		(ref)
Age	16–19 (ref)	1		(ref)
	20–24	1.949	0.353	0.477–7.967
	25–29	1.352	0.772	0.176–10.38
	30–39	1.900	0.551	0.230–15.68
	40–75	8.638	0.024*	1.332–56.03
BMI	<18.5	1.905	0.594	0.179–20.31
	18.5–25.0 (ref)	1		(ref)
	>25.5–30.0	2.267	0.141	0.763–6.734
	>30.0	2.983	0.131	0.722–12.31
General disease	No (ref)	1		(ref)
	Yes	1.222	0.757	0.344–4.345
Smokers	Never been a smoker (ref)	1		(ref)
	Stopped >3 months before surgery	1		
	Stopped ≤ 3 months before surgery	1		
	Active smoker	5.652	0.033*	1.148–27.82
Educational level	Primary & secondary school (≤ 9 yr)	1.177	0.832	0.261–5.307
	Upper secondary school (10–12 yr)	1.189	0.792	0.328–4.312
	Higher education (ref)	1		(ref)
Degree of urbanization	Cities (≥ 50 000 inhab)	1.177	0.774	0.387–3.583
	Towns & suburbs (≥ 5 000 inhab)	0.291	0.170	0.050–1.694
	Rural areas (< 5 000 inhab) (ref)	1		(ref)
Operation time	<2 h	2.862	0.448	0.189–43.28
	2–4 h	0.981	0.980	0.229–4.199
	>4–9 h (ref)	1		(ref)
Antibiotic postop	No	1.454	0.432	0.571–3.704
	Yes (ref)	1		(ref)
Bleeding postop	<200 ml (ref)	1		(ref)
	200–500 ml	1.838	0.627	0.158–21.43
	>500 ml	0.431	0.493	0.039–4.770

* Binary logistic regression, statistical significance $p < 0.05$.

Factors Associated with Postoperative Complications After Orthognathic Surgery – A National Swedish Register-Based Cohort Study

Oral and Maxillofacial Surgery

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