

Supplementary 10

Summary of remaining neurosensory disturbance rate -

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

Remaining neurosensory disturbance		OR	p-value	95% CI
Operation categories	Single jaw – mandible	1		(ref)
	Bimaxillary surgery	1.354	0.332	0.734–2.497
Gender	Male (ref)	1		(ref)
	Female	1.515	0.108	0.913–2.515
Age	16–19 (ref)	1		(ref)
	20–24	0.874	0.0696	0.445–1.717
	25–29	1.865	0.213	0.700–4.968
	30–39	1.098	0.867	0.366–3.298
	40–75	2.756	0.114	0.784–9.685
BMI	<18.5	2.053	0.249	0.604–6.972
	18.5–25.0 (ref)	1		(ref)
	>25.5–30.0	1.122	0.709	0.613–2.052
	>30.0	1.113	0.808	0.470–2.637
General disease	No (ref)	1		(ref)
	Yes	1.442	0.320	0.701–2.966
Smokers	Never been a smoker (ref)	1		(ref)
	Stopped >3 months before surgery	2.081	0.352	0.444–9.748
	Stopped ≤ 3 months before surgery	2.207	0.415	0.328–14.82
	Active smoker	3.197	0.101	0.796–12.85
Educational level	Primary & secondary school (≤ 9 yr)	1.313	0.512	0.581–2.969
	Upper secondary school (10–12 yr)	1.444	0.295	0.726–2.870
	Higher education (ref)	1		(ref)
Degree of urbanization	Cities (≥ 50 000 inhab)	1.491	0.250	0.755–2.945
	Towns & suburbs (≥ 5 000 inhab)	1.615	0.225	0.745–3.503
	Rural areas (< 5 000 inhab) (ref)	1		(ref)
Operation time	<2 h	0.869	0.821	0.256–2.950
	2–4 h	0.854	0.688	0.394–1.848
	>4–9 h (ref)	1		(ref)
Antibiotic postop	No	1.972	0.013*	1.157–3.361
	Yes (ref)	1		(ref)
Osteosynthesis material	Osteosynthesis plates (ref)	1		(ref)
	Osteosynthesis screws	1.620	0.129	0.869–3.018
	Osteosynthesis plates and screws	2.083	0.127	0.811–5.352
Bleeding postop	<200 ml (ref)	1		(ref)
	200–500 ml	1.126	0.821	0.403–3.146
	>500 ml	1.195	0.751	0.396–3.607

* 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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