

Supplementary Online Content

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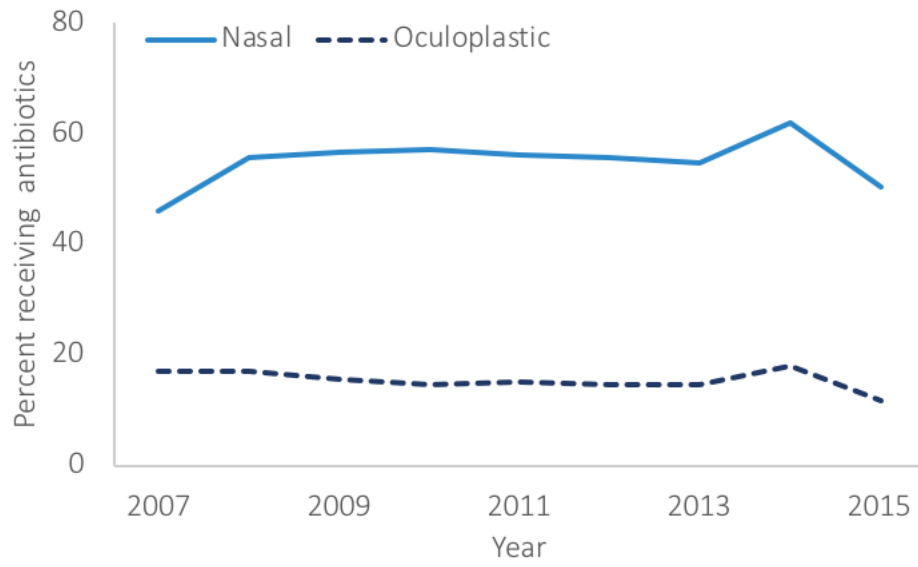
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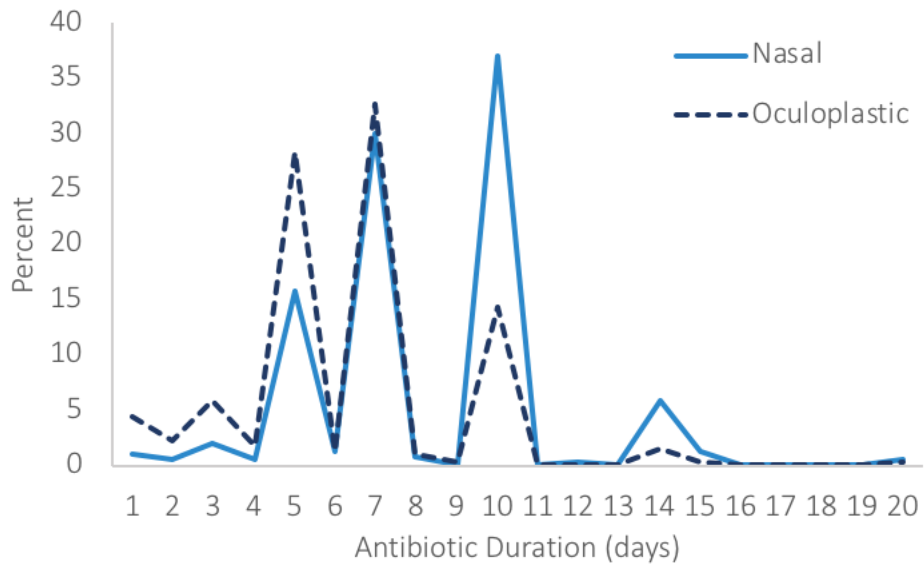
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This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Temporal Trends in Postoperative Antibiotic Prescriptions



eFigure 2. Duration of Postoperative Antibiotic Courses After Nasal and Oculoplastic Surgery



eTable 1. Procedure Classes by *Current Procedural Terminology (CPT) Code*

Procedure Class	CPT Code
Nasal (rhinoplasty, septoplasty, turbinate reduction)	30400, 30410, 30420, 30430, 30435, 30450, 30460, 30462, 30420, 30465, 30520, 15732, 21.83, 21.86, 21.88
Oculoplastic (upper blepharoplasty, lower blepharoplasty, ectropion repair, entropion repair)	15820, 15821, 15822, 15823

eTable 2. 30-Day Postoperative Complications by *ICD-9/CPT* Code

30-day Complication Class	<i>ICD-9/CPT</i> Code
Bleeding	<i>ICD-9</i> : 998.11, 998.12, 998.13, 78.47
Noninfectious wound healing complications (dehiscence, fistula formation, necrosis)	<i>ICD-9</i> : 998.30, 998.31, 998.32, 998.6, 998.83
Superficial SSI	<i>ICD-9</i> : 998.51, 998.59, 478.19
Deep SSI	<i>CPT</i> : 100.60, 100.61, 101.60, 101.80, 86.04
Hospital Readmission	<i>ICD-9</i> : 992.34, 992.35, 992.36, 992.18, 992.19, 992.20, 992.21, 992.22, 992.23, 992.17, 992.38, 992.39

eTable 3. Past-Year Comorbidities by *ICD-9/HCPCS* Code

Comorbidity	<i>ICD-9/HCPCS</i> Code
Tobacco use	305.1, 994.06, 994.07, V1582, G0436
Diabetes	V58.67, 250.0, 250.00, 250.02, 250.1, 250.10, 250.11, 250.12, 250.13, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.9, 250.90, 250.91, 250.92, 250.93, 583.81, 362.0
Immunocompromise	V58.65, 042, 279.0, 279.1, 279.2, 279.3, 279.4, 279.5, 279.8, 279.9, 279.00, 279.01, 279.02, 279.03, 279.04, 279.05, 279.06, 279.09, 279.10, 279.11, 279.12, 279.13, 279.19, 279.41, 279.49, 279.50, 279.51, 279.52, 279.53, 203.0, 203.1, 203.8, 203.00, 203.01, 203.02, 203.10, 203.11, 203.12, 203.80, 203.81, 203.82, 204.0, 204.1, 204.2, 204.8, 204.9, 204.00, 204.01, 204.02, 204.10, 204.11, 204.12, 204.20, 204.21, 204.22, 204.80, 204.81, 204.82, 204.90, 204.91, 204.92, 205.0, 205.1, 205.2, 205.3, 205.8, 205.9, 205.00, 205.01, 205.02, 205.10, 205.11, 205.12, 205.20, 205.21, 205.22, 205.30, 205.31, 205.32, 205.80, 205.81, 205.82, 205.90, 205.91, 205.92, 206.0, 206.1, 206.2, 206.8, 206.9, 206.00, 206.01, 206.02, 206.10, 206.11, 206.12, 206.20, 206.21, 206.80, 206.81, 206.82, 206.90, 206.91, 206.92, 207.0, 207.2, 207.8, 207.00, 207.01, 207.10, 207.11, 207.12, 207.20, 207.21, 207.22, 207.80, 207.81, 207.82, 282.60, 282.61, 288.0, 288.1, 288.2, 288.3, 288.4, 288.5, 288.6, 288.8, 288.9, 288.00, 288.01, 288.02, 288.03, 288.04, 288.09, 288.50, 288.51, 288.59, 288.60, 288.61, 288.62, 288.63, 288.64, 288.65, 288.66, 288.69
Autoimmune disease	135, 245.2, 279.49, 283.0, 446.4, 571.6, 579.0, 696.0, 710.0, 710.1, 710.2, 710.3, 710.9, 711.90, 712.19, 714.0, 714.30, 720.0, 725, 729.1, 795.79, G8859, G8860

eTable 4. Number of Patients Undergoing Primary and Secondary Rhinoplasty with Cartilage Grafting

Procedure	N (%^a)
Primary rhinoplasty with cartilage grafting	7572 (3.4%)
Secondary rhinoplasty	466 (# of these receiving cartilage) (0.2%)
Secondary rhinoplasty with cartilage grafting	6345 (2.9%)

^aDenominator for percentage is the total number of patients who underwent nasal procedures

eTable 5. Patients With Prior-Year Diagnoses of Immunocompromise are Less Likely to Receive Postoperative Antibiotics Than Immunocompetent Patients

	All	Nasal	Oculoplastic
Number in cohort (% of total)	294,039 (100)	220,433 (74.9)	73,606 (25.1)
Postoperative antibiotics prescribed			
(-) immunocompromise (n,% ^a)	119,194 (45.4)	110,387 (55.1)	8,807 (14.1)
(+) immunocompromise (n,% ^b)	10,112 (32.3)	8,545 (42.6)	1,567 (13.8)
OR (95% CI), p	0.574 (0.560-0.588)*	0.606 (0.589-0.624)*	0.978 (0.923-1.037)

^aDenominator for percentage is the number of patients in each procedure class without a prior-year diagnosis of immunocompromise

^bDenominator for percentage is the number of patients in each procedure class with a prior-year diagnosis of immunocompromise

* = $P < 0.05$

eTable 6. Readmission Rates and Causes Among Patients Undergoing Facial Plastic Surgery

Reason for readmission	Nasal procedures, n (% ^a)	Oculoplastic procedures, n (% ^a)
Postoperative SSI		
Superficial	835 (14.2)	543 (33.8)
Deep	703 (11.9)	216 (13.4)
Pain	987 (16.8)	108 (6.7)
Dehydration	689 (11.7)	97 (6.0)
Bleeding	710 (12.1)	172 (10.7)
Other	1942 (33.1)	470 (29.2)

^aDenominator for percentages is number of patients from a given procedure class who were readmitted postoperatively