



## CLINICAL GUIDELINE

# Ear Nose and Throat (ENT) Surgery : Antibiotic Prophylaxis in Adults

A guideline is intended to assist healthcare professionals in the choice of disease-specific treatments.

Clinical judgement should be exercised on the applicability of any guideline, influenced by individual patient characteristics. Clinicians should be mindful of the potential for harmful polypharmacy and increased susceptibility to adverse drug reactions in patients with multiple morbidities or frailty.

If, after discussion with the patient or carer, there are good reasons for not following a guideline, it is good practice to record these and communicate them to others involved in the care of the patient.

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<b>Approval Group:</b>	Antimicrobial Utilisation Committee

### Important Note:

The Intranet version of this document is the only version that is maintained. Any printed copies should therefore be viewed as 'Uncontrolled' and as such, may not necessarily contain the latest updates and amendments.



## NHS Greater Glasgow and Clyde Recommendations for ENT surgical antibiotic prophylaxis

**Single dose**, IV prophylaxis  $\leq$  60 minutes prior to skin incision/ intervention.

For advice or re-dosing antibiotic in operations  $>$  4 hours and operations where there is  $>$  1500 ml blood loss see [Principles of Surgical Prophylaxis \(1039\) | Right Decisions \(scot.nhs.uk\)](https://www.scot.nhs.uk/principles-of-surgical-prophylaxis-1039-right-decisions/)

### Teicoplanin

- Give **teicoplanin** by slow intravenous injection over 3-5 minutes.

**MRSA:** decolonise prior to procedure as per NHS GGC infection control guidelines and discuss with microbiology re antibiotic choice.

**CPE carriers:** For those patients who have been identified as CPE (carbapenemase producing enterobacteriaceae) carriers, contact microbiology

### Weight $>$ 100 kg

Increase the dose of co-amoxiclav as below:

	<b><math>&gt;</math> 100 Kg</b>
Co-amoxiclav	add 1g IV amoxicillin to 1.2g IV co-amoxiclav

<b>Procedure</b>	<b>Recommended antibiotic</b>	<b>Severe Penicillin allergy</b>
Head and neck (contaminated / clean-contaminated)	Co-amoxiclav 1.2g IV	Teicoplanin 400mg IV + Metronidazole 500mg IV
Head and neck surgery (clean, benign)	Not recommended	N/A
Open reduction and internal fixation of compound mandibular fractures Intraoral bone grafting	Co-amoxiclav 1.2g IV	Teicoplanin 400 mg IV+ Metronidazole 500mg IV
Facial plastic surgery with implant (Temporary stents/ splints, facial and nasal implants, septal reconstruction)	Co-amoxiclav 1.2g IV	Teicoplanin 800mg IV + Metronidazole 500mg IV
Facial surgery (clean)  (Insertion of Cochlear Baha ® Connect)	Not recommended	N/A
Complex septorhinoplasty (including grafts) Cleft lip and palate (major)	Co-amoxiclav 1.2g IV	Teicoplanin 400 mg IV + Metronidazole 500mg IV
Grommet insertion Stapedectomy	Not recommended	N/A
Ear surgery (clean/clean-contaminated) Routine nose, sinus and endoscopic sinus surgery Tonsillectomy Adenoidectomy (by curettage)	Not recommended	N/A
Nasal / Ear CSF Leak repair	Ceftriaxone 2g single dose	Teicoplanin 400 mg IV + Metronidazole 500mg IV
Endoscopic sinus surgery with significant bone work (Draf III procedure)	Co-amoxiclav 1.2g IV	Teicoplanin 400 mg IV+ Metronidazole 500mg IV