



## CLINICAL GUIDELINE

# Maxillofacial 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 Antibiotic Prophylaxis in Maxillofacial Surgery in Adults

**Single dose, IV prophylaxis** ≤ 60mins 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 \(scot.nhs.uk\)](#)

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

**MRSA:** decolonise prior to procedure as per NHS GGC infection control guidelines and for antibiotic prophylaxis use penicillin allergy antibiotic prophylaxis option.

**CPE carriers:** if identified as Carbapenamase producing Enterobacteriaceae carriers contact microbiology.

### Weight Based Dosing

Consider increasing the dose of the following antibiotics as below:

	<b>Weight &gt; 100 Kg</b>
Co-amoxiclav	Add 1 g IV amoxicillin to 1.2 g IV Co-amoxiclav

Procedure	Recommended antibiotic	Comments
<b><i>Procedure expected to last for &lt; 4 hours (Major 1)</i></b>  <b>Head &amp; neck Contaminated/clean-contaminated</b> <b>Or</b> <b>Clean, malignant; neck dissection</b>	IV Co-amoxiclav 1.2g  <i>or in severe penicillin allergy</i>  IV Teicoplanin 800mg* + IV Metronidazole 500mg	* Give IV Teicoplanin 400 mg if Weight ≤ 40 Kg
<b><i>Prolonged procedure expected to last for &gt; 4 hours (Major 2)</i></b>  <b>Head &amp; neck contaminated/clean-contaminated</b> <b>Or</b> <b>clean, malignant; neck dissection</b>	IV Co-amoxiclav 1.2g repeated 4hrly to maximum 4 intra-op doses  <i>or in severe penicillin allergy</i>  IV Teicoplanin 800mg* + IV Metronidazole 500mg	
<b>Open reduction &amp; internal fixation of compound mandibular fractures</b> <b>Intraoral bone grafting</b> <b>Orthognathic surgery</b> <b>Facial surgery with implant</b>	IV Co-amoxiclav 1.2g  <i>or in severe penicillin allergy</i>  IV Teicoplanin 800mg* + IV Metronidazole 500mg	
<b>Facial surgery (clean)</b>	<b>Antibiotic prophylaxis not recommended</b>	
<b>Head &amp; neck (clean, benign)</b>	<b>Not recommended</b>	