

# Hospital Infection Management Guidelines Empirical Antibiotic Therapy in Adults

## Key to good Antimicrobial Stewardship

**BLOOD CULTURES** = 40mls (10mls in each of 4 bottles),

**RECORD** diagnosis and therapy duration on HEPMA

**REVIEW IV therapy DAILY** and consider **IVOST** or **STOP**

NB Doses recommended based on normal renal / liver function - see BNF or Renal handbook for dosing advice. For info on antimicrobial contra-indications, cautions and monitoring see BNF.

**Definition of SEPSIS:** INFECTION (includes Systemic Inflammatory Response Syndrome (SIRS)) **WITH** evidence of ORGAN HYPOPERFUSION ( $\geq 2$  of: Confusion,  $< 15$  GCS or Resp Rate  $\geq 22$ / min or Systolic BP  $\leq 100$  mm Hg).

**Ensure SEPSIS 6 within one hour if NEWS  $\geq 7$ :** 1. Blood cultures (& any other relevant samples), 2. IV Antibiotic administration, 3. Oxygen to maintain target saturation, 4. Measure lactate, 5. IV fluids, 6. Monitor urine output hourly.

\*SIRS indicated by Temp  $> 36^\circ\text{C}$  or  $> 38^\circ\text{C}$ , HR  $> 90$  bpm, RR  $> 20$ /min & WCC  $< 4$  or  $> 12 \times 10^9$ /L. SIRS is not specific to bacterial infection (also viral & non-infective causes).

### Lower Respiratory Tract Infections

#### Infective Exacerbation COPD

Antibiotics only if purulent sputum (send for culture along with viral gargle)  
**Dual antibiotic therapy not recommended & increases risk of harm**  
 Oral \* Doxycycline 200mg as a one-off single dose then 100mg daily  
 or Oral Amoxicillin 500mg 8 hly or Oral \* Clarithromycin 500mg 12 hly  
**Duration 5 days**

### Skin/ Soft Tissue Infections

#### Mild skin/soft tissue infection

Oral Flucloxacillin 1g 6 hly  
 or if true penicillin/beta-lactam allergy  
 Oral \* Co-trimoxazole 960mg 12 hly  
 or Oral \* Doxycycline 100mg 12 hly  
**Duration 5 days**

### Gastrointestinal Infections

#### Gastroenteritis

Confirm travel history/other risk factors  
**Antibiotics not usually required** and may be deleterious in *E.coli* O157 Consider viral causes

### Urinary Tract Infections

#### UTI in Pregnancy

See NHS GGC Obstetric guidance  
**Lower UTI/cystitis**  
 Don't treat asymptomatic bacteriuria. Obtain urine culture prior to antibiotic. In women often self-limiting, consider delayed prescribing.  
 Antibiotics if significant symptoms  $\geq 2$  of dysuria, frequency, urgency, nocturia, haematuria, (and for adult women  $< 65$  years +ve urine nitrite)  
 Oral Nitrofurantoin 50mg 6 hourly or Nitrofurantoin 100mg MR 12 hourly  
 or Oral \* Trimethoprim 200mg 12 hly  
**Duration: Females 3 days, Males 7 days**  
 If eGFR  $< 30$  mL/min/1.73 m<sup>2</sup> Nitrofurantoin contraindicated, Trimethoprim use with caution

### Bone/ Joint Infections

#### Septic arthritis/Osteomyelitis / Prosthetic joint infection

Urgent orthopaedic referral if underlying metal work or recent surgery. Obtain blood cultures (and if not acutely unwell/ septic, obtain synovial/ other deep samples) prior to antibiotic therapy  
**Native joint**  
 IV Flucloxacillin 2g 6 hly  
 If MRSA suspected or if true penicillin/beta-lactam allergy  
 IV Vancomycin\*\*  
 If considered high risk for Gram negative infection e.g. immunocompromised, recurrent UTI or sickle cell disease:  
**ADD IV Gentamicin\*\* $\Delta$  (max 4 days)**  
**Duration and IVOST:** discuss with Infection Specialist at 72 hours. Usually 4-6 weeks (IV/oral) if diagnosis confirmed.  
**Prosthetic joint**  
 Antibiotic therapy should not be started in a clinically stable patient until intra-operative samples obtained  
 IV Vancomycin\*\*  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
**Duration and IVOST: discuss with Infection Specialist at 72 hours**

### CNS Infections

#### Urgent Blood Cultures then IV Antimicrobial Therapy within ONE hour

**LP safe without CT scan UNLESS:** seizures, GCS  $\leq 12$ , CNS signs, papilloedema or immunosuppression. If CT: Blood cultures and antibiotics BEFORE CT scan.  
 Use Meningitis/ Encephalitis order set on Trakcare, Blood and CSF Glucose.  
**LP contraindicated if:** Brain shift, rapid GCS reduction, Resp/ cardiac compromise, severe sepsis, rapidly evolving rash, infection at LP site, coagulopathy, thrombocytopenia, anticoagulant drugs

### Severe Systemic Infection Source Unknown

**Sepsis where source unknown**  
 Review all anatomical systems, perform CXR and consider other imaging/ laboratory investigations  
 Review previous microbiology results and discuss with an infection specialist if previous gentamicin resistance  
**Review diagnosis DAILY**  
**Add cover for *Saureus* infection if:** healthcare associated, recent hospitalisation, post-op wound/ line related, PWD  
**Add cover for MRSA infection if:** recent MRSA carrier or previous infection  
**Add cover for Streptococcal infection if:** pharyngitis/erythoderma/hypotension

### Immunocompromised Patient

Recent Chemotherapy ( $< 4$  weeks), high dose steroids (e.g. prednisolone  $> 20$  mg/day for  $> 2$  weeks), other immunosuppressants (e.g. anti-TNF, cyclophosphamide), Stem cell/solid organ transplant or primary immunodeficiency

### Suspected Viral Respiratory Tract Infection

Antibiotics NOT required unless secondary bacterial infections e.g. COPD exacerbation with purulent sputum (see above)  
 If consolidation treat as per CAP below  
[COVID-19 guidelines](#) [Flu guidelines](#)

### Moderate / Severe Cellulitis

Consider OPAT/ ambulatory care (consult local management pathway).  
 If requires inpatient management:  
 IV Flucloxacillin 2g 6 hly  
 If MRSA suspected or if true penicillin/beta-lactam allergy  
 IV Vancomycin\*\*  
**If rapidly progressive**  
**Add IV Clindamycin 600mg 6 hly**  
**Consider CDI risk**  
**Duration 7-10 days (IV/oral)**

### C. difficile infection (CDI)

See CDI Guidelines  
 Treat before lab confirmation if high clinical suspicion. Discontinue if toxin negative

### Upper UTI

Obtain urine for culture prior to antibiotic. Exclude pneumonia if loin/back pain  
**Non-severe/without sepsis**  
 Oral \* Ciprofloxacin 500mg 12 hly  
 Or Oral \* Co-trimoxazole 960 mg 12 hly if trimethoprim sensitive organism.  
**Duration 7 days**  
 Trimethoprim see above re eGFR  
**UROSEPSIS/ Pyelonephritis with fever**  
 IV Gentamicin\*\* $\Delta$  (max 4 days)  
 If eGFR  $< 20$  mL/min/1.73 m<sup>2</sup>  
 Oral \* Ciprofloxacin  
**Duration 7 days**

### Diabetic foot infection/ osteomyelitis

Assess ulcer size, probes to bone, neuropathy, peripheral vascular disease, MRSA risk. For outpatient therapy consult diabetic clinic guidelines  
 IV Flucloxacillin 2g 6 hly  
 + Oral Metronidazole 400mg 8 hly  
 If SEPSIS or SIRS  $\geq 2$   
**Add IV Gentamicin\*\* $\Delta$  (max 4 days)**  
 If MRSA suspected or if true penicillin/beta-lactam allergy  
 IV Vancomycin\*\*  
 + Oral Metronidazole 400mg 8hly (Metronidazole oral bioavailability 80-100%)  
**If SEPSIS or SIRS  $\geq 2$ :**  
**Add IV Gentamicin\*\* $\Delta$  (max 4 days)**  
 If eGFR  $< 20$  mL/min/1.73 m<sup>2</sup> REPLACE Gentamicin with Oral \* Ciprofloxacin  
**Duration/IVOST**  
**Discuss with Infection Specialist**

### Possible bacterial meningitis

IV Ceftriaxone 2g 12 hly  
 or if previous penicillin anaphylaxis  
 IV Chloramphenicol 25mg/kg (max 2g) 6 hly  
 If bacterial meningitis strongly suspected:  
**ADD IV Dexamethasone 10mg 6 hly (for 4 days)**  
 Prior to, or at the same time as antibiotics and refer to ID  
 If age  $\geq 60$  years, immunosuppressed, pregnant, alcohol excess, liver disease or if listeria meningitis suspected  
**ADD IV Amoxicillin 2g 4 hly to Ceftriaxone**  
**Duration of antibiotics:**  
**Discuss with Infection Specialist**

### Source unknown

IV Amoxicillin 1g 8 hly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
 If *S.aureus* suspected  
**ADD IV Flucloxacillin 2g 6 hly**  
 If MRSA suspected or if true penicillin/beta-lactam allergy  
 IV Vancomycin\*\*  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
**If severe Streptococcal infection suspected**  
**ADD IV Clindamycin 600mg 6 hly**  
 If eGFR  $< 20$  mL/min/1.73 m<sup>2</sup>, REPLACE Gentamicin with Oral IV \* Ciprofloxacin  
**Duration: Review with response/ micro results at 72 hours**

### Neutropenic Sepsis

Neutrophils  $\leq 0.5 \times 10^9$ /L + fever (temperature  $> 38^\circ\text{C}$  or  $37.5^\circ\text{C}$  on 2 occasions 30 min apart) / hypothermia  $< 36^\circ\text{C}$  OR chills, shivers, sweats or other symptoms suggestive of infection. Patients who have received recent chemotherapy (neutrophils  $< 1 \times 10^9$ /L) and who exhibit any of the symptoms above are presumed to be neutropenic and septic.

### Uncertain if LRTI/ UTI

Send MSSU, sputum and viral gargle  
 Oral \* Co-trimoxazole 960mg 12 hly or Oral \* Doxycycline 100mg 12 hly  
 Do NOT prescribe Co-amoxiclav  
**Review/ clarify diagnosis at 48 hours**  
**Duration** if diagnosis remains uncertain **MAXIMUM 5 days**

### Intra-abdominal sepsis

IV Amoxicillin 1g 8 hly  
 + Oral/ IV Metronidazole 400mg/ 500mg 8 hly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
 If eGFR  $< 20$  mL/min/1.73 m<sup>2</sup>  
 IV Piperacillin/Tazobactam 4.5g 12 hourly (Monotherapy)  
 If true penicillin/beta-lactam allergy  
 IV Vancomycin \*\*  
 + Oral/ IV Metronidazole 400/500mg 8 hly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
**Total Duration 5 days (IV/oral)**  
 Assuming source control  
 See Advice for Antibiotic therapy following 4 days IV gentamicin

### Biliary tract infection

As above except metronidazole not routinely required unless severe  
**Pancreatitis**  
 Does not require antibiotic therapy unless complicated by cholangitis.

### Catheter related UTI

Remove/ replace catheter and send urine for culture. Don't treat asymptomatic bacteriuria  
**Symptomatic bacteriuria without sepsis**  
 Give single dose of IV Gentamicin\*\* $\Delta$  immediately prior to catheter removal or if IV route not available give single dose of oral \* Ciprofloxacin 500mg 30 minutes before catheter change.  
 If eGFR  $< 20$  mL/min/1.73 m<sup>2</sup>  
 \* Ciprofloxacin 500mg single dose  
**Duration 7 days (IV/oral)**

### Vascular graft infection

IV Flucloxacillin 2g 6hly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
 If MRSA suspected or if true penicillin/ beta-lactam allergy  
 IV Vancomycin\*\*  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
**Discuss duration/IVOST/ further management with Infection specialist**

### Possible viral meningitis

Usually diagnosed after empirical management and exclusion of bacterial meningitis. **Viral meningitis does NOT require antiviral prescription unless immunocompromised.**  
**Discuss with Infection Specialist.**  
**Confusion or reduced consciousness = Encephalitis NOT meningitis**  
**Possible viral encephalitis**  
 Consider if confusion or reduced level of consciousness in suspected CNS infection. Ensure CSF viral PCR is requested. May not be possible to differentiate from bacterial meningitis-encephalitis.  
 IV Aciclovir 10mg/kg 8 hly  
 See BNF for dosing in renal impairment.  
 Discuss all patients with infection specialist. May require repeat LP or neuro-imaging to establish diagnosis.  
**Duration: Confirm with infection specialist**

### Possible Infective Endocarditis

Always seek senior specialist advice and refer to cardiology.  
**Native heart valve**  
 IV Amoxicillin 2g 4 hly  
 + IV Flucloxacillin 2g 6 hly if  $< 85$ kg (4 hly if  $\geq 85$ kg)  
 + IV Gentamicin  $\Delta$  (synergistic dosing)  
**If MRSA/ resistant organisms suspected or if true penicillin/beta-lactam allergy**  
 IV Vancomycin\*\*  
 + IV Gentamicin  $\Delta$  (synergistic dosing)  
**Prosthetic heart valve**  
 IV Vancomycin\*\*  
 + IV Gentamicin  $\Delta$  (synergistic dosing)  
**Discuss with Infection Specialist within 72 hours**  
 \*See Synergistic Gentamicin for Endocarditis in Adults guideline on StaffNet for dosing

### Immunocompromised with fever BUT normal neutrophils AND source of infection identified

Manage as per infection management guidelines based on anatomical source.  
**Neutropenic sepsis or Immunocompromised with fever and source of infection unknown;**  
 See guideline Initial Management of Neutropenic Sepsis or Sepsis of Unknown Source in Immunocompromised Adults which is available on StaffNet by clicking:  
 →Clinical Info  
 →NHS GGC Clinical Guideline Platform  
 →Adult Infection Management  
 →Secondary Care - Treatment  
[neutropenic-sepsis-or-sepsis-of-unknown-source-in-immunocompromised-adults.pdf \(scot.nhs.uk\)](#)

### Community Acquired Pneumonia (CAP)

Assess for SEPSIS  
 Calculate CURB 65 score:  
 • Confusion (new onset)  
 • Urea  $> 7$  mmol/L  
 • RR  $\geq 30$  breaths/ min  
 • BP – diastolic  $\leq 60$  mmHg or systolic  $< 90$  mmHg  
 • Age  $\geq 65$  years  
 If patient admitted from a care home treat as CAP.  
 If severe, ensure atypical screen sent.

### Hospital Acquired Pneumonia (HAP)

Diagnosis of HAP is difficult and it is often over-diagnosed. Consider other causes of clinical deterioration including hospital onset COVID-19 and review diagnosis early. Seek senior advice. Assess severity based on CURB 65 score.  
**If within 4 days of admission or admitted from care home**  
 Treat as CAP  
**If  $\leq 7$  days post hospital discharge or  $\geq 5$  days after admission:**  
**Non-severe HAP**  
 Oral therapy recommended  
 Oral \* Doxycycline 100mg 12 hly  
 or Oral \* Co-trimoxazole 960mg 12 hly  
**Duration 5 days**  
 Trimethoprim use with caution may  $\uparrow$  K<sup>+</sup> and decrease renal function. Monitor  
**Severe HAP**  
 IV Co-amoxiclav 1.2g 8 hourly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
 or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly monotherapy  
**Duration 5 days (IV/oral)**  
 If critically ill discuss with Infection Specialist

### Suspected Necrotising Fasciitis

Consider in SSTI with disproportionate pain or presence of acute organ dysfunction/ hypoperfusion including hypotension.  
**Seek urgent surgical/ orthopaedic review.**  
**Urgent DEBRIDEMENT/ EXPLORATION may be required**  
 IV Flucloxacillin 2g 6 hly  
 + IV Benzylpenicillin 2.4g 6 hly  
 + IV Metronidazole 500mg 8 hly  
 + IV Clindamycin 1.2g 6 hly  
 + IV Gentamicin\*\* $\Delta$  (max 4 days)  
 If MRSA suspected or if true penicillin/ beta-lactam allergy  
**REPLACE** Flucloxacillin + Benzylpenicillin with IV Vancomycin\*\*  
**Rationalise therapy within 48-72 hours**  
 Based on: response, microbiology results infection specialist review  
**Duration 10 days (IV/oral)** or as per infection specialist

### Spontaneous Bacterial Peritonitis (SBP)

SBP confirmed if ascitic counts Manual: WCC  $> 500$ /mm<sup>3</sup> or neutrophils  $> 250$ /mm<sup>3</sup> or EDTA automated count: WCC  $> 0.5$  or polymorphs  $> 0.25 \times 10^9$ /L  
 See Cirrhosis bundle  
**If not receiving co-trimoxazole prophylaxis:**  
 Oral \* Co-trimoxazole 960mg 12 hourly  
**If receiving co-trimoxazole prophylaxis:**  
 IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Suspected prostatitis

Consider in all men with lower UTI symptoms  
 Refer to Urology  
 Oral \* Ciprofloxacin 500mg 12 hly or Oral \* Trimethoprim 200mg 12 hly if sensitive organism.  
**Duration 14 days**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Possible viral encephalitis

Consider if confusion or reduced level of consciousness in suspected CNS infection. Ensure CSF viral PCR is requested. May not be possible to differentiate from bacterial meningitis-encephalitis.  
 IV Aciclovir 10mg/kg 8 hly  
 See BNF for dosing in renal impairment.  
 Discuss all patients with infection specialist. May require repeat LP or neuro-imaging to establish diagnosis.  
**Duration: Confirm with infection specialist**

### Patients with Stem Cell Transplant or receiving chemotherapy for Acute Leukaemia

NEWS  $\leq 6$  See High Risk treatment above.  
 NEWS  $\geq 7$  Critical Risk  
 See Neutropenic Sepsis guidelines (see above for pathway to this on StaffNet)

### Non-severe CAP

CURB65 score:  $\leq 2$  (and no sepsis)  
 Oral Amoxicillin 500mg 8 hly  
 or Oral \* Doxycycline 200mg as a one-off single dose then 100mg daily  
 or Oral \* Clarithromycin 500mg 12 hly  
**Duration 5 days**  
**Severe CAP**  
**CURB 65 score  $\geq 3$  or CAP (with any CURB 65 score) PLUS sepsis:**  
 Oral \* Clarithromycin 500mg 12 hly PLUS either:  
 IV Amoxicillin 1g 8 hly or if requiring HDU/ ICU level care  
 IV Co-amoxiclav 1.2g 8 hly  
 If true penicillin/beta-lactam allergy or Legionella strongly suspected  
 Oral \* Levofloxacin Monotherapy 500mg 12 hly  
 (NB oral bioavailability 99 – 100%)  
**Duration 5 days (IV/oral)**  
 Legionella 10-14 days

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Infected human/animal bite

**Non-severe bite**  
 Oral Co-amoxiclav 625mg 8 hly or if true penicillin/beta-lactam allergy  
 Oral \* Doxycycline 100mg 12 hly + Oral Metronidazole 400mg 8 hly  
**Duration- Treatment: 5 days Prophylaxis: 3 days**  
 See "Adult Antibiotic Wound Management for the Emergency Department" for prophylaxis indications  
**Severe bite**  
 Consider surgical review.  
 IV Co-amoxiclav 1.2g 8 hly or if true penicillin/beta-lactam allergy  
 IV Vancomycin\*\*  
 + Oral Metronidazole 400mg 8 hly + Oral \* Ciprofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Decompensated Chronic liver Disease with Sepsis Unknown Source

IV Piperacillin/Tazobactam 4.5g 8 hourly or if true penicillin/beta-lactam allergy  
 Oral \* Levofloxacin 500mg 12 hly  
**Duration 7 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

### Aspiration pneumonia

This is a chemical injury and does not indicate antibiotic treatment.  
**Reserve antibiotics for those who fail to improve within 48 hrs post aspiration.**  
 IV Amoxicillin 1g 8 hly  
 or if true penicillin/beta-lactam allergy  
 IV \* Clarithromycin 500mg 12 hly + IV Metronidazole 500mg 8 hly  
**Duration 5 days (IV/oral)**

\*\*Gentamicin/ \*\*Vancomycin  
 Gentamicin / Vancomycin adult dosing calculators are available via 'Clinical Info' icon on staff intranet/ GGC Medicines App. See GGC Therapeutics Handbook for Prescribing advice. Use GGC Prescribing, Administration, Monitoring charts.  
 Vancomycin If casistatine not available give Vancomycin loading dose as per actual body weight  
 Gentamicin  $\Delta$  Avoid Gentamicin in decompensated liver disease or myasthenia gravis, or known family history of aminoglycoside auditory toxicity or maternal relative with deafness due to mitochondrial mutation A1555G

If creatinine not available give gentamicin as follows:			
Actual Body Weight	Gentamicin Dose	Actual Body Weight	Gentamicin Dose
$< 40$ kg	5 mg/kg	60 - 69 kg	320 mg
40 - 49 kg	240 mg	70 - 79 kg	360 mg
50 - 59 kg	280 mg	$\geq 80$ kg	400 mg

NB If CKD5 give 2.5 mg/kg (max 180 mg)

If creatinine not available give gentamicin as follows:			
Actual Body Weight	Gentamicin Dose	Actual Body Weight	Gentamicin Dose
$< 40$ kg	5 mg/kg	60 - 69 kg	320 mg
40 - 49 kg	240 mg	70 - 79 kg	360 mg
50 - 59 kg	280 mg	$\geq 80$ kg	400 mg

NB If CKD5 give 2.5 mg/kg (max 180 mg)

If creatinine not available give gentamicin as follows:			
Actual Body Weight	Gentamicin Dose	Actual Body Weight	Gentamicin Dose
$< 40$ kg	5 mg/kg	60 - 69 kg	320 mg
40 - 49 kg	240 mg	70 - 79 kg	360 mg
50 - 59 kg	280 mg	$\geq 80$ kg	400 mg

NB If CKD5 give 2.5 mg/kg (max 180 mg)

If creatinine not available give gentamicin as follows:			
Actual Body Weight	Gentamicin Dose	Actual Body Weight	Gentamicin Dose
$< 40$ kg	5 mg/kg	60 - 69 kg	320 mg
40 - 49 kg	240 mg	70 - 79 kg	360 mg
50 - 59 kg	280 mg	$\geq 80$ kg	400 mg

NB If CKD5 give 2.5 mg/kg (max 180 mg)

If creatinine not available give gentamicin as follows:			
Actual Body Weight	Gentamicin Dose	Actual Body Weight	Gentamicin Dose
$< 40$ kg	5 mg/kg	60 - 69 kg	320 mg
40 - 49 kg	240 mg	70 - 79 kg	360 mg
50 - 59 kg	2		