

## Doxycycline

(Scan here to view Red/Green antibiotics)



- ▶ **Green (preferred) antibiotic** suitable for many respiratory tract infections
- ▶ Take with a glass of water and sit upright for 30 minutes
- ▶ If gastritis is an issue, give with food or milk
- ▶ Risk of photosensitivity. Advise use of sunscreen/sunblock
- ▶ Separate administration of doxycycline from antacids, iron/calcium/magnesium/zinc-containing products (e.g. Calcichew<sup>®</sup>, Galfer<sup>®</sup>) by at least 3 hours or treatment failure may occur
- ▶ **DO NOT OPEN CAPSULES.** For swallowing difficulties, doxycycline dispersible tablets are available (unlicensed) and may be approved for reimbursement under the hardship scheme.

## Nitrofurantoin

- ▶ **Green (preferred) antibiotic** suitable for many lower urinary tract infections
- ▶ Check preparation:

• 100 mg every **12 hours** use Macro**BID**<sup>®</sup> (prolonged release) capsules

OR

• 50 - 100 mg every **6 hours** use Macro**DANTIN**<sup>®</sup> (normal release) capsules



- ▶ Not recommended for complicated upper UTIs
- ▶ Caution in renal impairment. Contraindicated if eGFR < 30 mL/min/1.73 m<sup>2</sup>
- ▶ Max recommended duration 6 months for UTI prophylaxis
- ▶ Can take with food to prevent nausea

## Co-amoxiclav

- ▶ **'Red' (Reserved) antibiotic: is there a first line Green antibiotic alternative?** e.g.
  - RTI: amoxicillin or doxycycline
  - UTI: nitrofurantoin or cefalexin
- ▶ See [www.antibioticprescribing.ie](http://www.antibioticprescribing.ie) for the recommended options for specific infections
- ▶ Avoid in penicillin allergy
- ▶ If liquid preparation required, remember:

Liquid co-amoxiclav product	625 mg (500/125mg) dose
<input checked="" type="checkbox"/> Augmentin <sup>®</sup> <b>Paediatric</b> Oral Suspension (125 mg/31.25 mg per 5 mL)	20 mL
<input checked="" type="checkbox"/> Co-amoxiclav <b>paediatric</b> (125 mg/31.25 mg per 5 mL)	
<input checked="" type="checkbox"/> Augmentin <sup>®</sup> <b>Duo</b> Oral Suspension (400 mg/57 mg per 5 mL)	Not recommended, as unable to measure

## Clarithromycin

- ▶ **'Red' (Reserved) antibiotic: is there a first line Green antibiotic alternative?** e.g.
  - RTI: amoxicillin or doxycycline
- ▶ Several significant **drug interactions** (statins/ warfarin/ other anticoagulants/ antidepressants/ antipsychotics and other QT prolongers and many more)
- ▶ Avoid in patients with history of QT prolongation or arrhythmia



(Scan here to view drug interactions)