



Proton Pump Inhibitor (PPI) use in paediatric patients

The paediatric consultants have agreed the use of lansoprazole as first line proton pump inhibitor in children 1 month - 17 years weighing 2.5kg and above.

Neonates and children who weigh less than 2.5kg should be prescribed omeprazole. Children prescribed omeprazole who weigh 2.5kg or above should be reviewed and switched to lansoprazole if treatment is still needed.

(Esomeprazole gastro-resistant granules can be prescribed for children 1 month – 17 years with an enteral feeding tube of size 6-8Fr, or as an alternative to lansoprazole orodispersible tablets if the enteral feeding tube becomes blocked – see full policy for details)

Lansoprazole dosing and administration information

Lansoprazole orodispersible tablets do not completely dissolve to form an even suspension in water so cannot be “part dosed” by dissolving in water and giving a proportion as this will lead to inaccurate dosing. Doses of lansoprazole have been weight banded to ensure the tablet can be halved or quartered before use for accuracy of dosing (see Table 1).

Body weight (kg)	Route	Dose	Frequency
2.5kg up to 5kg	Oral or via enteral feeding tube (≥8Fr)	3.75mg (use quarter of a 15mg orodispersible tablet)	Once daily
5kg up to 10kg		7.5mg (use half a 15mg orodispersible tablet)	
10kg up to 30kg		15mg	
30kg and above		30mg	

Table 1: Lansoprazole weight band dosing.

1. **For doses of 15mg or 30mg where the child is able to swallow capsules:**

Use the appropriate strength of the capsule.

2. **For doses less than 15mg, or for children with an enteral feeding tube (≥8Fr) or children unable to swallow capsules:**

- **For doses less than 15mg:**
Use lansoprazole 15mg orodispersible tablets – the dose can be given as a portion of a 15mg orodispersible tablet by using a tablet cutter (see Table 1). (**Note:** Do not keep the remainder of the tablet to use for the next dose. A new tablet should be used for each dose.)
- **For doses of 15mg or 30mg:**
Use the appropriate strength of orodispersible tablets.

For oral administration: Whole, halved or quartered lansoprazole orodispersible tablets can be:

- Placed on the tongue, allowed to disperse and swallowed.
- Swallowed whole with a glass of water.
- Dispersed in a small amount of water and administered by an oral syringe. (see product information leaflet)