

# **Deprescribing Proton Pump Inhibitors**

York and Scarborough Medicines Commissioning Committee

## Simple steps to stop proton pump inhibitors

### **Engaging patients and carers**

Patients and/or carers may be more likely to engage if they understand the rationale for deprescribing (risks of continued PPI use; long-term therapy may not be necessary), and the deprescribing process (see page 2).

#### PPI side effects and risks

When an ongoing indication is unclear, the risk of side effects may outweigh the benefit.

- PPIs are associated with higher risk of fractures, C. difficile infections, diarrhoea, community-acquired pneumonia, vitamin B12 deficiency, hypomagnesemia, hyponatraemia, acute interstitial nephritis and chronic kidney disease.
- Common side effects include headache, nausea, diarrhoea and rash.

### Tapering doses and self care

There is no evidence to suggest that one tapering approach is better than another however gradual step down reduces the risk of rebound hyperacidity and the need to reinstate.

- Lowering the PPI dose
  - Reduce from twice daily to once daily, or halving the dose, or taking every second day OR
  - stopping the PPI and using it on-demand is equally a recommended strong option.
    Advise the patient to use on-demand daily PPI for a period sufficient to resolve reflux-related symptoms; following symptom resolution discontinue the medication until symptoms recur and restart PPI daily until the symptoms resolve.
- Choose what is most convenient and acceptable to the patient.
- Advise the patient there may be an increase in symptoms for a few days.
- Managing occasional reflux symptoms
  - Advise the patient to purchase OTC remedies such as antacids, alginates and H2RA's.
- Lifestyle and diet changes should be maintained to resolve reflux related symptoms.
  - Avoid meals 2-3 hours before bedtime
  - Elevate head of bed
  - Address if a need for weight loss
  - Avoid dietary triggers, e.g. caffeine, chocolate, fatty foods
  - Smoking cessation
  - Reduce/ stop alcohol intake
  - Regular exercise

#### References

- 1. Canadian Deprecribing Network https://deprescribing.org/wp-content/uploads/2018/08/ppi-deprescribing-algorithm\_2018\_En.pdf
- 2. Prescqipp https://www.prescqipp.info/media/1574/attachment-2-proton-pump-inhibitor-desprescribing-algorithm-21.pdf



# **Proton Pump Inhibitor Deprescribing Algorithm**

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