Omeprazole prescription

No action

Prolong use > 1 year?

Yes

Produce alert:
[Caution: After Omeprazole prescription, check Magnesium (Mg) and Vitamin B12 levels. Reason: This patient receives Omeprazole for more than one year. Omeprazole changes Mg and Vit B12 levels.]

No

Produce alert:
[Caution: Continue Omeprazole use and supplement with Vitamin B12. Monitor Vitamin B12 level regularly. Reason: Because this patient receives Omeprazole for more than a year and has Vitamin B12 deficiency (Vit B12 level <100 pg/ml).]

Is Vitamin B12 level >100 pg/ml?

Yes

Produce alert:
[Notice: Continue Omeprazole and check Vitamin B12 every 1 to 2 years. Reason: Because Vitamin B12 level >100 pg/ml and this patient receives Omeprazole for more than a year and its effects on Vitamin B12 needs to be monitored every 1 to 2 years.]

No

Produce alert:
[Notice: Continue Omeprazole use and supplement with Magnesium (Mg). Monitor Mg level regularly. Reason: Because this patient receives Omeprazole for more than a year and has Magnesium (Mg) level <1.5 mg/dl.]

Is 1.5 ≤ Magnesium (Mg) level < 4 mg/dl?

No

Is Magnesium (Mg) level < 1.5 mg/dl?

Yes

Produce alert:
[Notice: Continue Omeprazole and check Magnesium (Mg) every 1 to 2 years. Reason: Because 1.5 ≤ Magnesium (Mg) level < 4 mg/dl and this patient receives Omeprazole for more than a year and its effects on Magnesium (Mg) needs to be monitored every 1 to 2 years.]

No action

No action

No action

No action