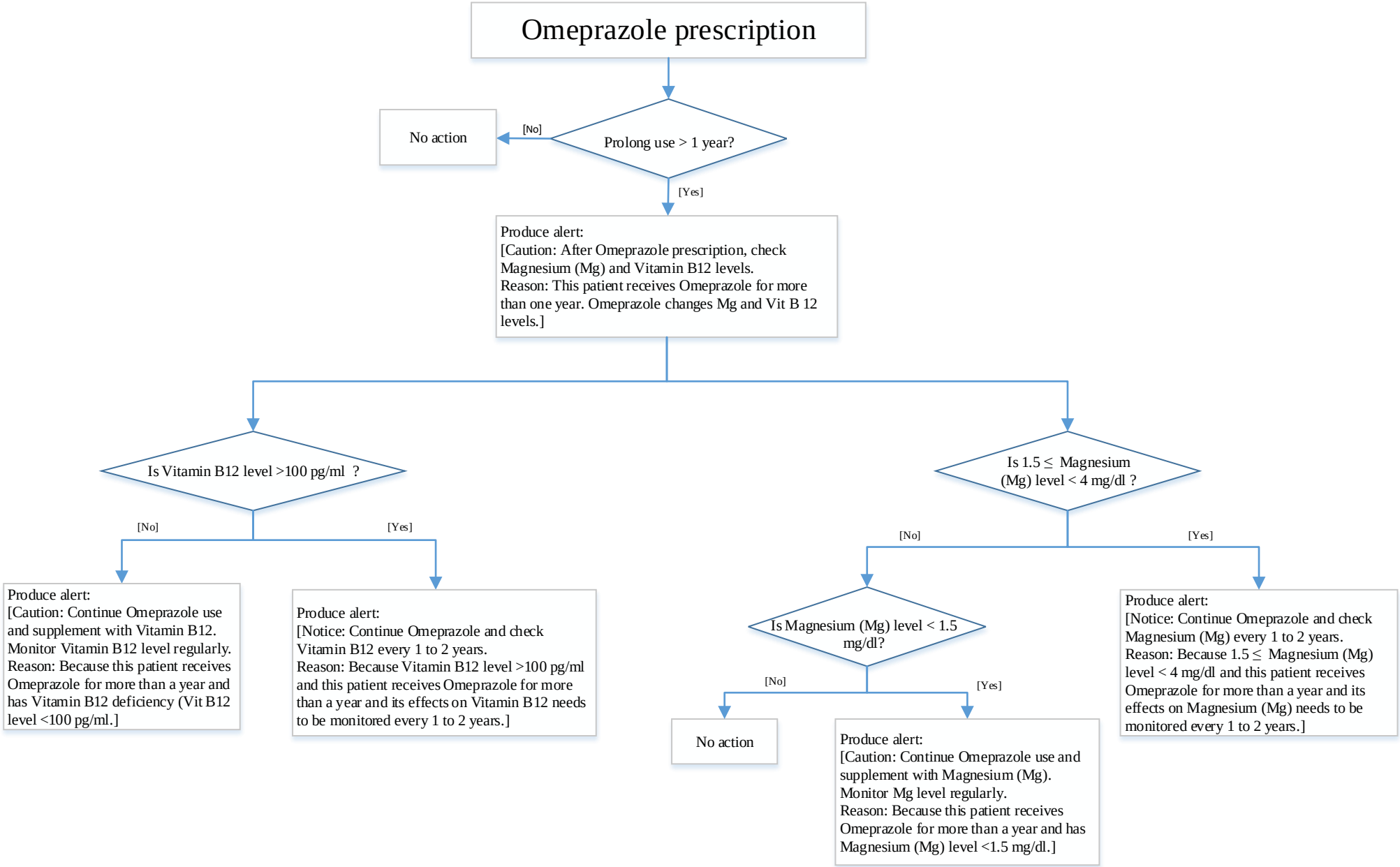
Omeprazole prescription
Prolong use > 1 year?
[No]
No action
[Yes]
Produce alert:
[Caution: After Omeprazole prescription, check Magnesium (Mg) and Vitamin B12 levels.
Reason: This patient receives Omeprazole for more than one year. Omeprazole changes Mg and Vit B 12 levels.]
Is Vitamin B12 level >100 pg/ml ?
[No]
[Yes]
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.]
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.]
Is 1.5 ≤ Magnesium (Mg) level < 4 mg/dl ?
[No]
[Yes]
Is Magnesium (Mg) level < 1.5 mg/dl?
[No]
[Yes]
No action
Produce alert:
[Caution: 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.]
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.]