

## DM2 Biguanides-Metformin (Glucophage) Cheat Sheet by Drosario19 via cheatography.com/144803/cs/31337/

**Medication Names** 

Metformin

Glucophage

Therapeutic Use

Type 2 diabetes mellitus

Adverse Drug Reactions

Lactic acidosis (rare, but potentially fatal)

Nausea, diarrhea, vomiting

Unpleasant metallic taste

Vitamin deficiencies (vitamin B12, folic acid)

Interventions

Monitor for indications of lactic acidosis.

For signs of lactic acidosis, stop drug therapy immediately.

Expect that severe lactic acidosis will require hemodialysis.

Monitor for persistent nausea, vomiting, or diarrhea

Monitor fluid intake and output.

Monitor for indications of vitamin B12 or folic acid deficiency.

Recommend the appropriate supplements.

Monitor renal function upon initial therapy and yearly afterward

**Precautions** 

Diarrhea, Dehydration

Anemia

Pituitary insufficiency

Gastroparesis

Gastrointestinal obstruction.

Hyperthyroidism

Older adults

**Drug Administration** 

Give orally twice a day with the morning and evening meals (immediate-release) or once a day with the evening meal (extended-release)

Make sure clients swallow the extended-release form whole and do not crush or chew it.

Patient Education

Avoid drinking alcohol.

Report weakness, fatigue, lethargy, or hyperventilation.

If these symptoms develop, stop taking the drug and seek medical care immediately

Expect these effects to diminish as drug therapy continues

Lie down when feeling nauseated

Maintain adequate carbohydrate and fluid intak

Report weakness, fatigue, pallor, or reddened tongue.

Contraindications

Diabetic ketoacidosis

Cardiopulmonary, hepatic, or renal insufficiency

Alcoholism

Heart failure

Severe infection

Shock

Acute myocardial infarction

Hypoxemia

Lactic acidosis

Interactions

Alcohol and cimetidine (Tagamet) increase the risk of lactic acidosis.

Any contrast medium containing iodine increases the risk of acute renal failure, thus worsening lactic acidosis

Nifedipine (Procardia), furosemide (Lasix), morphine, antifungals, and many other drugs increase hypoglycemic effects.



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