**PATIENT & CAREGIVER EDUCATION**

**Metronidazole (Systemic)**

This information from Lexicomp® explains what you need to know about this medication, including what it’s used for, how to take it, its side effects, and when to call your healthcare provider.

**Brand Names: US**
Flagyl

**Brand Names: Canada**
APO-MetronIDAZOLE; Auro-MetronIDAZOLE; Flagyl; NOVO-Nidazol [DSC]; PMS-MetronIDAZOLE

**Warning**

- Metronidazole has been shown to cause cancer in mice and rats with long-term use. Talk with the doctor.
- The doctor has given you this drug for a certain health problem. Do not use this drug for other health problems.

**What is this drug used for?**

- It is used to treat infections.
- It is used to prevent infections during bowel surgery.
- It may be given to your child for other reasons. Talk with the doctor.
What do I need to tell the doctor BEFORE my child takes this drug?

- If your child has an allergy to this drug or any part of this drug.

- If your child is allergic to any drugs like this one or any other drugs, foods, or other substances. Tell the doctor about the allergy and what signs your child had, like rash; hives; itching; shortness of breath; wheezing; cough; swelling of face, lips, tongue, or throat; or any other signs.

- If your child has taken disulfiram within the past 2 weeks.

If your child is less than 12 weeks pregnant:

- This drug is not for use in certain patients who are less than 12 weeks pregnant.

If your child is breast-feeding a baby:

- Be sure your child does not breast-feed a baby for 24 hours after getting this drug.

This is not a list of all drugs or health problems that interact with this drug.

Tell the doctor and pharmacist about all of your child’s drugs (prescription or OTC, natural products, vitamins) and health problems. You must check to make sure that it is safe for your child to take this drug with all of his/her drugs and health problems. Do not start, stop, or change the dose of any drug.
your child takes without checking with the doctor.

**What are some things I need to know or do while my child takes this drug?**

**All products:**

- Tell all of your child’s health care providers that your child is taking this drug. This includes your child’s doctors, nurses, pharmacists, and dentists.
- Have blood work checked as you have been told by the doctor. Talk with the doctor.
- This drug may affect certain lab tests. Tell all of your child’s health care providers and lab workers that your child takes this drug.
- This drug may affect how much of some other drugs are in the body. If your child is taking other drugs, talk with the doctor. Your child may need to have blood work checked more closely while taking this drug with other drugs.
- Alcohol interacts with this drug. Be sure your child does not drink alcohol. Be sure your child does not take products that have alcohol or propylene glycol in them while taking this drug and for at least 72 hours after the last dose. Drinking alcohol or taking products that have alcohol or propylene glycol in them, like some cough syrups, may cause cramps, upset stomach, headaches, and flushing.
- Do not give to your child longer than you have been told. A second infection may happen.
If your child is pregnant:

- Tell the doctor if your child is pregnant or becomes pregnant. You will need to talk about the benefits and risks of your child using this drug while pregnant.

Infusion:

- If your child is on a low-sodium or sodium-free diet, talk with the doctor. Some of these products have sodium.

What are some side effects that I need to call my child’s doctor about right away?

**WARNING/CAUTION:** Even though it may be rare, some people may have very bad and sometimes deadly side effects when taking a drug. Tell your child’s doctor or get medical help right away if your child has any of the following signs or symptoms that may be related to a very bad side effect:

- Signs of an allergic reaction, like rash; hives; itching; red, swollen, blistered, or peeling skin with or without fever; wheezing; tightness in the chest or throat; trouble breathing, swallowing, or talking; unusual hoarseness; or swelling of the mouth, face, lips, tongue, or throat.

- Signs of a pancreas problem (pancreatitis) like very bad stomach pain, very bad back pain, or very bad upset stomach or throwing up.

- Not able to control eye movements.

- Chest pain or pressure or a fast heartbeat.
• A heartbeat that does not feel normal.
• Shortness of breath.
• Any unexplained bruising or bleeding.
• Swelling in the arms or legs.
• Redness or white patches in mouth or throat.
• Vaginal itching or discharge.

• Nervous system problems have happened with this drug. Some people who took this drug for a long time have had nerve problems that lasted for a long time. Call your child’s doctor right away if your child has a burning, numbness, or tingling feeling that is not normal; change in balance or eyesight; dizziness or passing out; headache; not able to sleep; seizures; or trouble speaking. Call your child’s doctor right away if your child feels confused, depressed, irritable, tired, or weak.

• This drug may raise the chance of a very bad brain problem called aseptic meningitis. Call the doctor right away if your child has a headache, fever, chills, very upset stomach or throwing up, stiff neck, rash, bright lights bother the eyes, feeling sleepy, or feeling confused.

• Low white blood cell counts have happened with this drug. This may lead to a higher chance of getting an infection. Call your child’s doctor right away if your child has signs of infection like fever, chills, or sore throat.

• Some people with Cockayne syndrome have had liver
problems when taking this drug. Sometimes, this has been deadly. If your child has Cockayne syndrome and is taking this drug, call your child’s doctor right away if your child has signs of liver problems like dark urine, feeling tired, not hungry, upset stomach or stomach pain, light-colored stools, throwing up, or yellow skin or eyes.

What are some other side effects of this drug?

All drugs may cause side effects. However, many people have no side effects or only have minor side effects. Call your child’s doctor or get medical help if any of these side effects or any other side effects bother your child or do not go away:

All products:

- Upset stomach or throwing up.
- Diarrhea.
- Constipation.
- Not hungry.
- Stomach cramps.
- Stomach pain.
- Metallic taste.
- Feeling sleepy.
- Muscle or joint pain.
- Muscle spasm.

If your child is or may be sexually active:
- Lowered interest in sex.

**Infusion:**

- Irritation where this drug is given.

These are not all of the side effects that may occur. If you have questions about side effects, call your child’s doctor. Call your child’s doctor for medical advice about side effects.

You may report side effects to your national health agency.

**How is this drug best given?**

Give this drug as ordered by your child’s doctor. Read all information given to you. Follow all instructions closely.

**All oral products:**

- Give this drug with or without food. Give with food if it causes an upset stomach.
- To gain the most benefit, do not miss giving your child doses.
- Keep giving this drug to your child as you have been told by your child’s doctor or other health care provider, even if your child feels well.

**Infusion:**

- It is given as an infusion into a vein over a period of time.

**What do I do if my child misses a dose?**

**All oral products:**
• Give a missed dose as soon as you think about it.
• If it is close to the time for your child’s next dose, skip the missed dose and go back to your child’s normal time.
• Do not give 2 doses at the same time or extra doses.

**Infusion:**

• Call your child’s doctor to find out what to do.

**How do I store and/or throw out this drug?**

**All oral products:**

• Store at room temperature.
• Protect from light.
• Store in a dry place. Do not store in a bathroom.

**Infusion:**

• If you need to store this drug at home, talk with your child’s doctor, nurse, or pharmacist about how to store it.

**All products:**

• Keep all drugs in a safe place. Keep all drugs out of the reach of children and pets.
• Throw away unused or expired drugs. Do not flush down a toilet or pour down a drain unless you are told to do so. Check with your pharmacist if you have questions about the best way to throw out drugs. There may be drug take-back
General drug facts

- If your child’s symptoms or health problems do not get better or if they become worse, call your child’s doctor.
- Do not share your child’s drug with others and do not give anyone else’s drug to your child.
- Keep a list of all your child’s drugs (prescription, natural products, vitamins, OTC) with you. Give this list to your child’s doctor.
- Talk with your child’s doctor before giving your child any new drug, including prescription or OTC, natural products, or vitamins.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your child’s doctor, nurse, pharmacist, or other health care provider.
- If you think there has been an overdose, call your poison control center or get medical care right away. Be ready to tell or show what was taken, how much, and when it happened.

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**Last Reviewed Date**
2018-08-06

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If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit [www.mskcc.org/pe](http://www.mskcc.org/pe) to search our virtual library.

Metronidazole (Systemic) - Last updated on August 15, 2019
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