MSK Kids

PATIENT & CAREGIVER EDUCATION

Mannitol (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

Osmitrol; Resectisol [DSC]

Brand Names: Canada

Osmitrol; Resectisol [DSC]

What is this drug used for?

Injection:

- It is used to lower pressure in the skull and brain.
- It is used to lower high eye pressure.
- It may be given to your child for other reasons. Talk with the doctor.

Irrigation solution:

- It is used to rinse the urinary tract.

What do I need to tell the doctor BEFORE my child takes this drug?

All products:

- If your child is allergic to this drug; any part of this drug; or any other drugs, foods, or substances. Tell the doctor about the allergy and what signs your child had.
- If your child has any of these health problems: Heart problems like heart failure (weak heart), kidney problems, or trouble passing urine.

Injection:

- If your child has any of these health problems: Bleeding in the brain, fluid in the lungs, or fluid loss (dehydration).
- If your child is taking a water pill.
- If your child is taking any drugs that can raise the chance of kidney or nervous system problems. There are many drugs that can do this. Ask the doctor or pharmacist if you are not sure.

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 to give this drug with all of your child's other 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.

If your child is pregnant or breast-feeding a baby:

- Talk with the doctor if your child is pregnant, becomes pregnant, or is breast-feeding a baby. You will need to talk about the benefits and risks to your child and the baby.

Injection:

- Very bad and sometimes deadly allergic side effects have rarely happened. Talk with your child's doctor.
- 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.

- Kidney problems like kidney failure have happened in people taking this drug. Sometimes, these effects have not gone back to normal when this drug was stopped. If you have questions, talk with the doctor.
- Nervous system problems have happened in people treated with this drug. Sometimes, this has been deadly.

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:

All products:

- 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 kidney problems like unable to pass urine,

change in how much urine is passed, blood in the urine, or a big weight gain.

- Signs of fluid and electrolyte problems like mood changes, confusion, muscle pain or weakness, fast or abnormal heartbeat, severe dizziness or passing out, increased thirst, seizures, feeling very tired or weak, decreased appetite, unable to pass urine or change in the amount of urine produced, dry mouth, dry eyes, or severe upset stomach or throwing up.
- Signs of too much acid in the blood (acidosis) like confusion; fast breathing; fast heartbeat; a heartbeat that does not feel normal; very bad stomach pain, upset stomach, or throwing up; feeling very sleepy; shortness of breath; or feeling very tired or weak.
- Signs of high or low blood pressure like very bad headache or dizziness, passing out, or change in eyesight.
- Shortness of breath, a big weight gain, or swelling in the arms or legs.
- Chest pain or pressure or a fast heartbeat.
- Feeling confused.
- Feeling sluggish.
- Blurred eyesight.

- Swelling.
- Fever or chills.
- Muscle stiffness.
- Muscle pain.
- Swelling, warmth, numbness, change of color, or pain in a leg or arm.

Injection:

- Signs of skin infection like oozing, heat, swelling, redness, or pain.
- Pain and irritation where this drug goes into the body.
- Change in skin color to black or purple.
- Skin breakdown where this drug is used.

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:

- Headache.
- Runny nose.
- Upset stomach or throwing up.

- Feeling dizzy, tired, or weak.
- Sweating a lot.

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.

Injection:

- It is given into a vein for a period of time.

Irrigation solution:

- Your child’s doctor will give this drug.

What do I do if my child misses a dose?

- This drug will be given on an as needed basis in a health care setting.

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

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

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 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 programs in your area.
- 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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If you have any questions, contact a member of your care team directly. If you're a patient at MSK and you need to reach a provider after 5 p.m., during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit www.mskcc.org/pe to search our virtual library.

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