Memorial Sloan Kettering Cancer Center

PATIENT & CAREGIVER EDUCATION

Dextroamphetamine and Amphetamine

This information from UpToDate® Lexidrug™ 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

Adderall; Adderall XR; Mydayis

Brand Names: Canada

Adderall XR; APO-Amphetamine XR; SANDOZ Amphetamine XR [DSC]; Teva-Amphetamine XR

Warning

- This drug has a high risk of misuse. This can lead to alcohol or drug use disorder. Misuse or abuse of this drug can lead to overdose or death. The risk is higher with higher doses or when used in ways that are not approved like snorting or injecting it. Do not give this drug to anyone else. This drug may also be habit-forming if taken for a long time. Do not take for longer than you have been told by your doctor. Use only as you were told. Tell your doctor if you have ever had alcohol or drug use disorder. You will be watched closely while taking this drug. Keep all drugs in a safe place. Keep all drugs out of the reach of children and pets. Throw away unused or expired drugs as you have been told.

What is this drug used for?

- It is used to treat attention deficit problems with hyperactivity.
- It is used to treat narcolepsy.
- It may be given to you for other reasons. Talk with the doctor.

What do I need to tell my doctor BEFORE I take this drug?

- If you are allergic to this drug; any part of this drug; or any other drugs, foods, or substances. Tell your doctor about the allergy and what signs you had.
- If you or a family member have any of these health problems: Blood vessel disease, high blood pressure, heart structure problems or other heart problems, or Tourette's syndrome or tics.
- If you have any of these health problems: Glaucoma, agitation, anxiety, or overactive thyroid.
- If you have ever had a stroke.
- If you have kidney disease.
- If you are taking another drug that has the same drug in it.
- If you are taking any of these drugs: Acetazolamide or sodium bicarbonate.
- If you have taken isocarboxazid, linezolid, methylene blue, phenelzine, tranylcypromine, selegiline, or rasagiline in the last 14 days. Severe high blood pressure may happen.
- If you are breast-feeding. Do not breast-feed while you take this drug.

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

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

What are some things I need to know or do while I take this drug?

All products:

- Tell all of your health care providers that you take this drug. This includes your doctors, nurses, pharmacists, and dentists.
- Avoid driving and doing other tasks or actions that call for you to be alert or have clear eyesight until you see how this drug affects you.
- Have your blood work and heart function checked as you have been told by your doctor.
- This drug may cause high blood pressure.
- Check blood pressure and heart rate as the doctor has told you.
- This drug may affect radioactive imaging tests and certain other lab tests. Tell all of your health care providers and lab workers that you take this drug.
- If you have been taking this drug for a long time or at high doses, it may not work as well and you may need higher doses to get the same effect. This is known as tolerance. Call your doctor if this drug stops working well. Do not take more than ordered.
- Long-term or regular use of this drug may lead to dependence. Stopping this drug all of a sudden may lead to signs of withdrawal. Talk to your doctor before you lower the dose or stop this drug. You will need to follow your doctor's instructions. Tell your doctor if you have any bad effects.
- Talk with your doctor before using OTC products that may raise blood pressure. These include cough or cold drugs, diet pills, stimulants, non-steroidal anti-inflammatory drugs (NSAIDs) like ibuprofen or naproxen, and some natural products or aids.
- Do not take antacids with this drug.
- You may need to avoid drinking alcohol with some products. Talk with your doctor or pharmacist to see if you need to avoid drinking alcohol with this drug.
- This drug may raise the chance of seizures in some people, including people

who have had seizures in the past. Talk to your doctor to see if you have a greater chance of seizures while taking this drug.

- This drug may affect growth in children and teens in some cases. They may need regular growth checks. Talk with the doctor.
- Different brands of this drug may be for use in different ages of children. Talk with the doctor before giving this drug to a child.
- Tell your doctor if you are pregnant or plan on getting pregnant. You will need to talk about the benefits and risks of using this drug while you are pregnant.

Extended-release capsules (Adderall XR):

- The risk of weight loss and other side effects is higher in children younger than 6 years of age. This drug is not for use in children younger than 6 years of age.

Extended-release capsules (Mydayis):

- The risk of weight loss and other side effects is higher in children younger than 12 years of age. This drug is not for use in children younger than 12 years of age.

What are some side effects that I need to call my 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 doctor or get medical help right away if you have 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 high blood pressure like very bad headache or dizziness, passing out, or change in eyesight.

- Signs of a urinary tract infection (UTI) like blood in the urine, burning or pain when passing urine, feeling the need to pass urine often or right away, fever, lower stomach pain, or pelvic pain.
- A fast heartbeat.
- Seizures.
- Trouble controlling body movements.
- Trouble controlling sounds, like humming, throat clearing, yelling, or making loud noises.
- Restlessness.
- Change in eyesight.
- Not able to get or keep an erection.
- Change in sex interest.
- Erections (hard penis) that happen often or that last a long time.
- Change in color of hands, feet, or other areas. Skin may turn pale, blue, gray, purple, or red.
- Numbness, pain, tingling, or cold feeling of the hands or feet.
- Any sores or wounds on the fingers or toes.
- Muscle pain or weakness, dark urine, or trouble passing urine.
- Sudden deaths have happened in people with some heart problems or heart defects. Tell your doctor if you have any heart problem or defect. Tell your doctor if a family member has an abnormal heartbeat or died suddenly. Get medical help right away if you have any signs of heart problems like chest pain, abnormal heartbeat, shortness of breath, or severe dizziness or passing out.
- New or worse behavior and mood changes like change in thinking, anger, and hallucinations have happened with this drug. Tell your doctor if you or a family member have any mental or mood problems like depression or bipolar illness, or if a family member has committed suicide. Call your doctor right away if you have hallucinations; change in the way you act; or signs of mood changes like depression, thoughts of suicide, nervousness, emotional

ups and downs, thinking that is not normal, anxiety, or lack of interest in life.

- A severe and sometimes deadly problem called serotonin syndrome may happen if you take this drug with certain other drugs. Call your doctor right away if you have agitation; change in balance; confusion; hallucinations; fever; fast or abnormal heartbeat; flushing; muscle twitching or stiffness; seizures; shivering or shaking; sweating a lot; severe diarrhea, upset stomach, or throwing up; or severe headache.

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 doctor or get medical help if any of these side effects or any other side effects bother you or do not go away:

- Feeling nervous and excitable.
- Headache.
- Trouble sleeping.
- Constipation, diarrhea, stomach pain, upset stomach, throwing up, or decreased appetite.
- Feeling dizzy, tired, or weak.
- Dry mouth.
- Bad taste in your mouth.
- Weight loss.

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

You may report side effects to your national health agency.

You may report side effects to the FDA at 1-800-332-1088. You may also report side effects at https://www.fda.gov/medwatch.

How is this drug best taken?

Use this drug as ordered by your doctor. Read all information given to you. Follow all instructions closely.

Tablets:

- Take with or without food.
- Take last dose of the day at least 4 hours before bedtime.

Extended-release capsules:

- Take this drug with or without food. Some products need to be taken the same way each time, either always with food or always without food. Be sure you know how to take your product with regard to food. If you are not sure how to take your product with regard to food, talk with your doctor or pharmacist.
- Take in the morning. Taking this drug in the afternoon or later may cause trouble sleeping.
- Swallow whole. Do not chew, break, or crush.
- You may open the capsule and sprinkle the contents on a spoonful of applesauce. Swallow right away without chewing. Do not store for future use. Make sure to take all the contents in the capsule.

What do I do if I miss a dose?

Tablets:

- Take a missed dose as soon as you think about it.
- If it is close to the time for your next dose, skip the missed dose and go back to your normal time.
- Do not take 2 doses at the same time or extra doses.

Extended-release capsules:

- Skip the missed dose and go back to your normal time.
- Do not take it later in the day.

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

- Store at room temperature protected from light. Store in a dry place. Do not store in a bathroom.
- Store this drug in a safe place where children cannot see or reach it, and where other people cannot get to it. A locked box or area may help keep this drug safe. Keep all drugs away from 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.

General drug facts

- If your symptoms or health problems do not get better or if they become worse, call your doctor.
- Do not share your drugs with others and do not take anyone else's drugs.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your doctor, nurse, pharmacist, or other health care provider.
- This drug comes with an extra patient fact sheet called a Medication Guide. Read it with care. Read it again each time this drug is refilled. If you have any questions about this drug, please talk with the doctor, 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.

Consumer Information Use and Disclaimer

This generalized information is a limited summary of diagnosis, treatment, and/or medication information. It is not meant to be comprehensive and should be used as a tool to help the user understand and/or assess potential diagnostic and treatment options. It does NOT include all information about conditions, treatments, medications, side effects, or risks that may apply to a specific patient. It is not intended to be medical advice or a substitute for the medical advice, diagnosis, or treatment of a health care provider based on the health care provider's examination and assessment of a patient's specific and unique circumstances. Patients must speak with a health care provider for complete information about their health, medical questions, and treatment options, including any risks or benefits regarding use of medications. This information does not endorse any treatments or medications as safe, effective, or approved for treating a specific patient. UpToDate, Inc. and its affiliates disclaim any warranty or liability relating to this information or the use thereof. The use of this information is governed by the Terms of Use, available at https://www.wolterskluwer.com/en/know/clinical-effectiveness-terms.

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If you have questions or concerns, contact your healthcare provider. A member of your care team will answer Monday through Friday from 9 a.m. to 5 p.m. Outside those hours, you can leave a message or talk with another MSK provider. There is always a doctor or nurse on call. If you're not sure how to reach your healthcare provider, call 212-639-2000.

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

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