

Exelon™ Patch (also known as Rivastigmine Transdermal Patch)

The purpose of this medication

Exelon Patch is a skin patch which contains Exelon, one of a group of drugs called "cholinesterase inhibitors" which are used to treat symptoms in people with mild to moderate Alzheimer's disease. The patch is applied to the skin, and the drug diffuses out of the patch into the skin and eventually gets into the blood circulating around the body.

In the brains of people with Alzheimer's disease there is a progressive degeneration of nerve cells, particularly of the cells that make acetylcholine, a chemical thought to be important for learning and memory. Because of this, people with Alzheimer's disease have lower brain levels of acetylcholine. Exelon works by reducing the breakdown of acetylcholine and thus increasing the amount of the chemical in the brain.

In animal experiments the medication also appears to enhance the action of acetylcholine by making the receptors it interacts with in the brain more responsive. In the region of the brain first affected by Alzheimer's disease, that dealing with cognition and memory, too little acetylcholine is available at the junctions between nerve cells to get messages across to the next nerve cell. The situation is helped, therefore, not only by preserving the acetylcholine from being destroyed by cholinesterase, but by making the receptors more responsive to the lower amounts of acetylcholine. Whether this effect is also true for humans is unknown.

The potential beneficial effect of Exelon Patch could lessen as the disease progresses and when fewer cells are available to make acetylcholine.

Ongoing research is finding that combining cholinesterase inhibitors (such as Exelon, Reminyl ER or Aricept) together with memantine (a drug used to relieve the symptoms of people with moderate to severe Alzheimer's disease) seems to greatly improve outcomes, sometimes more than predicted from the sum of the effects of either drug alone. However, more and larger drug trials are needed to confirm these promising early results.

How does it help?

Exelon Patch is intended to treat symptoms in people with mild to moderate Alzheimer's disease. In clinical trials, some individuals who took the drug, compared to individuals who took a placebo (a substance which looks like the drug but has no effect), showed some improvement or at least no further decline in cognition (including memory, orientation and language) and global functioning (for example, the performance of daily activities such as bathing, dressing and eating).

This medication may take as long as 12 weeks to begin working and individual response to this medication will vary.

Will this medication cure Alzheimer's disease?

Exelon is not a cure for Alzheimer's disease as it does not affect the underlying degenerative process of the disease.

Who should take this medication?

The medication is approved for people who have been diagnosed with mild to moderate Alzheimer's disease. The use of Exelon Patch is not advised by Health Canada outside of its approved indication.

How do you obtain this medication?

Exelon Patch can only be obtained with a prescription from a doctor after a diagnosis of Alzheimer's disease has been made.

A reminder: This medication has been prescribed only for you or for the person you are caring for. It must not be given to anybody else or used for any other illness.

Important! Things to know before taking this medication

You should tell your doctor if you are taking any other medications. You should also tell your doctor if you have other medical problems, such as conditions affecting your heart or lungs; if you have seizures; if you have had fainting spells; and if you have a history of peptic ulcers or have increased risk of developing ulcers (for example you are taking non-steroidal anti-inflammatory drugs [NSAIDs] or high doses of acetylsalicylic acid [ASA/Aspirin]). Your doctor will determine whether you can take Exelon Patch and how closely you will need to be monitored.

How do you take this medication?

- Take only as prescribed by your doctor. Never change the dose yourself.
- Exelon Patch should be applied to the upper back, lower back, chest or upper arm and should be replaced with a new Patch every 24 hours. The time of day used should be kept consistent.
- Your doctor will tell you what dosage to take, starting with a low dose (Exelon Patch 5 – 4.6mg/24h) and gradually increasing (to the best-tolerated dose, after a minimum of four weeks of treatment), depending on how you respond to the treatment (Exelon Patch 10 – 9.6mg/24h).
- To benefit from your medication you must take it every day.
- If you find you have forgotten to take your dose, do not worry. Wait and take the next dose at the usual time. Do NOT take two doses at once.

- If at anytime you stop taking the medication for longer than several days, do NOT restart treatment without contacting your doctor.
- If you have problems remembering to take medication, it may be necessary to have someone manage it for you.

What are the possible side effects?

Transdermal patches are designed to provide continuous delivery of drug through the skin more directly into the bloodstream than medications taken by mouth. The steady drug levels in the bloodstream may reduce the likelihood of side effects and increase the chances of the person getting the appropriate dose. Exelon Patch may be of particular benefit to people who are susceptible to gastrointestinal problems. In addition, patches may help physicians, family members and caregivers to see that the medication has been taken. In controlled clinical trials, there were three times fewer reports of nausea and vomiting when compared to the Exelon capsules.

Along with its possible beneficial effect, Exelon Patch may cause some undesirable reactions. In clinical studies most side effects were mild to moderate in intensity and generally reversible. The side effects reported included gastrointestinal reactions such as nausea and vomiting. The other common side effects are: loss of appetite, anxiety, difficulty in sleeping, dizziness, headache, diarrhea, stomach discomfort after meals, stomach pain, fatigue, weakness and weight loss. Skin reactions at the application site (redness, itching, irritation, swelling) were noted in some people. People with dementia and caregivers are encouraged to monitor these adverse events and inform the doctor if they occur.

If side effects persist, you should tell your doctor. If you feel unwell or have any symptoms that you do not understand, or find distressing, you should contact your doctor immediately.

What to do if an overdose is taken

If more medication has been taken than what has been prescribed, contact either your doctor, hospital emergency department or nearest poison control centre immediately.

How do you store this medication?

- Do not use Exelon Patch after the expiry date shown on the carton and pouch.
- Store Exelon Patch at room temperature (15°C - 30°C).
- Do not use any Exelon Patch that is damaged or shows signs of tampering.
- Keep Exelon Patch out of the reach and sight of children and pets.
- Keep Exelon Patch in the individual sealed pouch until just prior to use.

How much does it cost and who pays for this medication?

The price of Exelon Patch is \$4.29 per day.

At the present time, the Exelon Patch is not covered under provincial drug or private insurance plans.

Who produces this medication?

Novartis Pharma Canada Inc., 385 Bouchard Blvd, Dorval, Quebec H9R 4P5.

For further information

This information sheet is a brief description and summary of information about this medication. If you have any further questions about Exelon Patch, ask your doctor or pharmacist.

The contents of this document are provided for information purposes only, and do not represent advice, an endorsement or a recommendation, with respect to any product, service or enterprise, and/or the claims and properties thereof, by the Alzheimer Society of Canada.