When taking enoxaparin (blood thinner)

1. Take exactly as directed. Take enoxaparin the same time each day. Do not take extra doses or skip any doses.

2. Prepare exact dose. Ask your doctor, nurse, or pharmacist to teach you how to measure your dose. You may need to inject the full contents of a prefilled syringe, or discard a portion of the medicine in the syringe before injection. If you do not need to discard any medicine from the syringe, do not expel the little air bubble before injecting the medicine. It helps push the medicine into the body so it will not leak out the injection site.

3. Inject the medicine. Follow the instructions below to inject the medicine into fatty areas of the abdomen, about 2 inches from the belly button. Do not inject the medicine into muscle, as this can cause a painful bruise.

4. Rotate injection sites. Write down the date, time, and location of the injection site for every dose. Use the opposite side of the abdomen each time you inject your medicine to prevent the skin from hardening.

To prevent the spread of diseases

5. Don’t reuse or recycle. Dispose of used syringes in a sealable hard plastic or metal container (e.g., empty detergent bottle or a special sharps container from your pharmacy). When the container is full, seal the lid and discard the container according to your community guidelines (www.safeneedledisposal.org/). Do not recycle or reuse syringes.

To avoid serious side effects (bleeding)

6. Tell your doctor about new medicines. Avoid starting or stopping other medicines without informing the doctor who prescribed enoxaparin. This includes prescription medicines and nonprescription medicines such as aspirin, ibuprofen (Motrin, Advil), and naproxen (Aleve), which can increase your risk of bleeding.

7. Take precautions. Use an electric razor. Avoid sharp objects and fall risks (climbing a ladder, for example).

8. Tell your dentist and doctor. Let your physicians and dentists know you are taking enoxaparin before any surgery or procedure is scheduled and before any new medicine is prescribed or taken.

When you should call your doctor

9. Signs of bleeding or clot. Call your doctor immediately if you experience any signs of bleeding or clot formation, which are listed on the other side of this page.

10. Injection site redness. Call your doctor if you develop redness, swelling, burning, or pain in the abdomen where you injected the medicine.

How to inject enoxaparin

1. Wash and dry your hands.
2. Prepare the syringe as described in safety tip #2.
3. Sit or lie down so you can see your abdomen.
4. Clean an injection site 2 inches to the right or left of the belly button using an alcohol swab and let dry.
5. Remove the needle cap by pulling it straight off the syringe.
6. Hold the syringe like a pencil in your writing hand.
7. With your other hand, pinch an inch of the clean skin to make a fold in the skin.
8. Insert the full length of the needle straight down at a 90 degree angle into the top of the fold of skin.
9. Press the plunger with your thumb until the syringe is empty.
10. Pull the needle straight out and release the skin fold.
11. To prevent bruising, do not rub the injection site.
12. Point the needle away from you, and push down on the plunger to make the safety shield cover the needle.
13. Safely discard the syringe (see safety tip #5 above).

Enoxaparin

Watch for signs of bleeding or clots

**Signs of bleeding**
- Unusual pain, swelling, discomfort (may also be a sign of a clot)
- Unusual or easy bruising
- Pink or brown urine
- Prolonged bleeding of gums or cuts
- Persistent, frequent nosebleeds that don't stop within 7 minutes
- Unusually heavy/long menstrual flow

**Signs of a clot**
- In the lung: chest pain, fast heart rate, coughing, shortness of breath, fever
- In the arm or leg: sudden leg, arm, or back pain, swelling, redness and warmth, tenderness
- In the brain: headache, vision changes, seizure, slurred speech, weakness on one side of body, dizziness
- In the heart: chest pain, shortness of breath, sweating, nausea and vomiting
- In the abdomen: abdominal pain, vomiting, diarrhea

- Coughing up blood
- Vomit that is bloody or looks like coffee grounds
- Rash of dark red or purple spots under the skin
- Severe dizziness, weakness, confusion, headache, fainting, unusual tiredness
- Tingling, numbness, muscle weakness in legs
- Bloody or black stools
- Pain in joints, back, or chest
- Bleeding at the injection site

**Special tests your doctor may prescribe**
- You will be tested for platelet counts
- Special tests may be done for reasons other than bleeding

**Prescription medicines that should not be taken with enoxaparin**
- Many prescription medicines interact with enoxaparin
- Tell your doctor about all the medicines you take

**Nonprescription medicines/herbals/vitamins that should not be taken with enoxaparin**
- Aspirin, nonsteroidal anti-inflammatory drugs (ibuprofen [Advil, Motrin], naproxen [Aleve]), most herbs (particularly cat’s claw, dong quai, evening primrose, feverfew, garlic, ginkgo, American ginseng, ginger, green tea, horse chestnut, red clover, alfalfa, anise, bilberry)

**Side effects to report to your doctor immediately**
- Unusually heavy/long menstrual flow
- Prolonged bleeding of gums or cuts
- Pink or brown urine
- Unusual or easy bruising
- Persistent, frequent nosebleeds that don't stop within 7 minutes
- Unusually heavy/long menstrual flow

**Diseases**
- Prosthetic heart valve or kidney impairment

**Procedures**
- Recently had or are going to have spinal or epidural anesthesia, or spinal puncture

**Caution with spinal anesthesia**
Patients on enoxaparin who undergo spinal or epidural anesthesia or spinal puncture are at risk for bleeding into their spine. This may cause long-term or permanent paralysis. The risk of bleeding is greater in those who take nonsteroidal anti-inflammatory drugs such as Celebrex (celecoxib), Motrin (ibuprofen), and Aleve (naproxen). These patients should tell their doctor they are taking enoxaparin and immediately report any signs of spinal bleeding, especially tingling, numbness, and muscle weakness in the legs.

**Topics**

<table>
<thead>
<tr>
<th>Generic name</th>
<th>enoxaparin (pronounced ee noks a PA rin) (generic available)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand name</td>
<td>Lovenox</td>
</tr>
<tr>
<td>Uses</td>
<td>Prevent blood clots after major surgeries (i.e., hip or knee replacement, abdominal surgery) or in very ill patients with limited mobility</td>
</tr>
<tr>
<td></td>
<td>Treat heart conditions such as angina or after certain heart attacks</td>
</tr>
<tr>
<td>Usual dose limits</td>
<td>30 mg to 40 mg every 12 or 24 hours daily for 7 to 10 days for adult patients</td>
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<tr>
<td></td>
<td>Doses may vary by condition being treated and by body weight</td>
</tr>
<tr>
<td>What to do if you miss a dose</td>
<td>If it is still the same day, take the dose as soon as you remember it</td>
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<tr>
<td></td>
<td>If it is the next day, skip the missed dose and take your normal dose</td>
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<td></td>
<td>Do not double the dose to catch up</td>
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<tr>
<td></td>
<td>Contact your doctor if you miss two or more doses in a row</td>
</tr>
<tr>
<td>Special instructions and precautions</td>
<td>Take exactly as prescribed, the same time each day</td>
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<tr>
<td></td>
<td>Do not make major changes to your diet unless instructed by your doctor</td>
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<td></td>
<td>You will have a tendency to bleed easily, so use a soft toothbrush, waxed dental floss, electric razor; avoid sharp objects and fall risks (such as climbing a ladder)</td>
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<td></td>
<td>Do not start or stop any medicine, including nonprescription medicines, herbs, and vitamins, without letting your doctor or pharmacist know</td>
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<tr>
<td>Safety during pregnancy/breastfeeding</td>
<td>Tell your doctor if you are pregnant or become pregnant</td>
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<td></td>
<td>While breastfeeding, let the infant’s doctor know for proper monitoring</td>
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<tr>
<td>Tell your doctor if you have:</td>
<td>Diseases: prosthetic heart valve or kidney impairment</td>
</tr>
<tr>
<td></td>
<td>Procedures: recently had or are going to have spinal or epidural anesthesia, or spinal injections, for surgery or to manage pain</td>
</tr>
<tr>
<td>Storage and disposal</td>
<td>Store at room temperature; do not freeze or refrigerate</td>
</tr>
<tr>
<td></td>
<td>Dispose of syringes securely in a hard container as noted in safety tip #5 (front page)</td>
</tr>
<tr>
<td>Side effects to report to your doctor immediately</td>
<td>Signs of bleeding or clot (see top of page), accidental falls or trauma (even if you feel fine), headache, confusion</td>
</tr>
<tr>
<td>Other conditions to report to your doctor</td>
<td>New or stopped medicines (including nonprescription drugs, herbs, and vitamins), changes in smoking or eating habits, infection, fever</td>
</tr>
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<td>Nonprescription medicines/herbals/vitamins that should not be taken with enoxaparin</td>
<td>Aspirin, nonsteroidal anti-inflammatory drugs (ibuprofen [Advil, Motrin], naproxen [Aleve]), most herbs (particularly cat’s claw, dong quai, evening primrose, feverfew, garlic, ginkgo, American ginseng, ginger, green tea, horse chestnut, red clover, alfalfa, anise, bilberry)</td>
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This information does not replace the need to follow your doctor’s instructions and read the drug information leaflet provided with your prescription.

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