Frusemide 10mg/ml injection

Fruray

The name of your medicine is 'Furosemide 10 mg/ml Solution for Injection or Infusion' but in the rest of the leaflet it will be called "Furosemide Injection 10mg/m¹

Read all of this leaflet carefully before you start using this medicine because it contains important information for you Keep this leaflet. You may need to read it again.

If you have any further questions, ask your doctor or pharmacist. This medicine has been prescribed for you only. Do not pass it on to others. It may harm them,

If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet

- What Furosemide Injection 10 mg/ml is and what it is used for
 What you need to know before you use Furosemide Injection 10 mg/ml
 How to use Furosemide Injection 10 mg/ml
- 4. Possible side effects
- How to store Furosemide Injection 10 mg/mi
 Contents of the pack and other information

1. What Furosemide Injection 10 mg/ml is and what it is used for

wmart universities injustication is unijumitis and what it is used to Envisomatie hippection 10 mg/mit ordinaries hand/wing mg/miterial Furosematie is one of a group of medicines called diuretics. Furosematie works by helping to produce more unive. This helps to relieve symptomic acused when your oddy contains too much hald.

Your doctor has prescribed Furosemide for one of the follo wing reasons

When quick and effective removal of excess fluid is needed.

- You are not able to take this kind of medicine by mouth or in an emergency.
 You have too much fluid around your heart, lungs, liver or kidneys.
- In periods with extremely high blood pressure that may lead to life-threatening conditions (hypertensive crisis)

Furosemide injection must only be used under medical supervision

2. What you need to know before you use Furosemide Injection 10 mg/ml

Do not use Furosemide Injection 10 mg/ml:

You are allergic (hypersensitive) to Furosemide, or any of the other ingredients of this medicine (see Section 6)

You are allergic (type because) for those must be any or the other ingredients of this medicate (see Deciditor) You are allergic to sulphonamide antibilities You are severely dehydrated (you have lost lots of body fluid for example by suffering from severe diarrhoea or being sick)

You have kidney failure and are not producing urine, despite treatment with furosemide You have kidney failure as a consequence of poisoning with kidney or liver toxic substances You have very low levels of potassium or sodium in your blood

You are breastfeeding

If you are uncertain whether you can use this medicine or not, ask your doctor or pharmacist

Take special care with Furosemide Injection if:

- You normally have problems passing water due to an obstruction (such as an enlarged prostate)
- You have diabete
- You have low blood pressure or sometimes have sudden falls in blood pressure (your blood vessels in your heart or brain are too narrow).
- You have liver disease (such as cirrhosis)
- You have kindle problems (such as nephrolic syndrome) You are dehydrated (you have lost body fluids by suffering from severe diarrhoea or being sick), this might lead to a collapse or blood clotting
- You have gout (painful or inflamed joints) due to high levels of uric acid (a by-product of metabolism) in your blood You have an inflammatory disease called * systemic lupus erythematosus (SLE)*
- You have hearing problems
- You are using sorbitol (sugar substitute for people with diabetes)
- You have porphyria (dise purple-coloured) ase where the production of the oxygen binding molecule of the red blood cells is disrupted and urine is
- Your skin has an increased sensitivity to sunlight (photosensitivity) If you are elderly, if you are on other medications which can cause the drop the blood pressure and if you have other medical
 conditions that are risks for the drop of blood pressure.

If given to premature babies furosemide can cause kidney stones or calcification

If any of these apply to you, your doctor may want to change your treatment or give you special advice.

Your doctor may recommend regular blood tests of your blood sugar levels or your blood unic acid levels. They will also check your blood levels for important body salts such as potassium and sodium, which are particularly important if you are sick or have diarrhea

Taking other medicin

Please tell your doctor of pharmacist if you are taking or have recently taken any other medicines, including medicines you have obtained without a prescription. This is important because some medicines should not be taken together with furosemide solution for injection or hinkion. In particular, lell your doctor or pharmacist if you are taking:

- Lithium for mood disorders, as its effect and side effects may be increased by furosemide. Your doctor will prescribe this
- Landari non mod cisacers and a service and electron in y certralised or y indexing to the operation of the presence in a medicine to you only if absolutely necessary and he will be not know (vol it fluim here's and may change your dose Heart medicines is you if a disputiely indexing the control of the service of the service in a service of the service in a medicine is you only if absolutely necessary and he will be not here is you have a service of the operation of the service in a medicine is you only if absolutely necessary and here it is the service of the service of the service in a service of the service of
- too low Your doctor may need to change your doss of funosemide Cholesterol or lipid-lowering medicines such as colestyramine, colestipol and fibrates, such as clofibrate, as the effect of funcsemide may be reduced
- Diabetes medicines, such as metformin and insulin, as your sugar levels may be increased
- Anti-inflammatory medicines, including NSAIDS (such as aspirin or celecoxib), as they can reduce the effects of furosemide; high doese of pain killers (salloylates) may increase the side effects of furosemide Anti-inflammatory or anti-allergic medicines such as conficiosteroids, medicines used to treat stomach ulcers such as
- carbenoxolone, or laxatives, as in combination with furosemide they will affect your sodium and potassium levels. Your doctor
- calibencholome, of sealaries, as in companion with increasing energy we are cyous source and potession revers. Tour opcore will check your potession levels injections given during operations, including tubocurarine, curarine derivates and succiny/choline Chicral hydrate for sleeping professions (in solated cases, the intravenous administration (injection into a vein) of furosemide in a 24 hour period pitor to chloral hydrate administration may lead to flushing, increased sweating, anxiety, nausea, increase in blood pressure and faster heart beat). Therefore, the simultaneous administration of furosemide and chloral hydrate is not recommended Phenytoin or Phenobarbital - for epilepsy, as the effect of furosemide may be decreased
- Theophylline for asthma, as its effect may be increased by furosemide Antibiotics such as cephalosporins, polymyxins, aminoglycosides or quinciones or other drugs which may affect your kidneys such as immunospressnats, iodinated contrast media, loscarent or pentamidine as furosemide can make this worse
- Probenecid used with some other medicines to protect the kidney, as it may reduce the effects of furosemide Organoplatins used in some cancers, as furosemide may increase the side effects of this drug Methotexate used in some cancers and for severe arthritis, as it may reduce the effects of furosemide

- Drugs to raise your blood pressure (pressor amines), as they may not work as well when you take them with furosemide Aminoglutethimide used to suppress corticosteroid production (Cushing's syndrome), as it may increase the side effects of furosemide
- Carbamazepine used to treat epilepsy or schizophrenia, as it may increase the side effects of furos Sucralfate – used to treat stomach ulcers. Do not take furosemide within two hours of taking sucralfate as the effect of furosemide will be decreased Ciclospoin – used to prevent rejection of transplants, as you are at risk of gouty arthritis (painful joints)
- Drugs that alter your heart beat such as amiodarone, sotalol, dofetilide and ibutilide as their effects may be increased by
- Risperidone used for the treatment of mental disorders

nide Injection 10 mg/ml with food, drink and alcohol

Food is not expected to influence this medicine when it is given into a vein. Chronic moderate to heavy drinking raises blood pressure and reduces the effectiveness of antihypertensive drugs. Patients may experience dizziness and fainting shortly after drinking alcohol whilst on treatment.

Driving and using machines: Do not drive or operate machinery as furosemide may reduce mental alertness.

Important information about some of the ingredients of Furosemide Injection 10 mg/ml

Furosemide 10 mg/ml Solution for Injection or Infusion (2ml, 4ml and 5ml) This medicinal product contains less than 1 mmol sodium (23 mg) per. ampoule i.e. essentially 'sodium free'. To be taken into consideration by patients on a controlled sodium diet.

Eurosemide 10 mg/ml Solution for Injection or Infusion (25ml)

Encounter for the interaction of ingenerative initialian compares in the interaction of t

- 3. How to use Furosemide Injection 10 mg/ml Furosemide Injection is given:
- as a slow injection into a vein (intravenous) o in exceptions, into a muscle (intramuscular)

Your doctor will decide how much you need, when it is to be given to you and the duration of treatment. This will depend on your age, weight, medical history, any other medicines that you are taking and type and severity of your disease.

General

- The parenteral administration of furosemide is indicated in cases where oral administration is not feasible is not efficient (for example in case of reduced intestinal absorption) or when a quick effect is required.
- In cases where parenteral administration is used, the switch to oral administration is recommended, as soon as possible. To achieve optimum efficacy and suppress counter-regulation, a continuous furosemide influsion is generally to be preferred to repeated botts injections.
- Where continuous furosemide infusion in not feasible for follow-up treatment after one or several acute bolus doses, a follow-up regimen with low doses given at short intervals (approx. 4 hours) is to be preferred to a regimen with higher bolus doses at longer intervals.
- Intravenous furosemide must be injected or infused slowly; a rate of 4 mg per minute must not be exceeded and should never be given in association with other medicinal products in the same syringe

Dosage regimen

- In the absence of conditions requiring a reduced dose (see below) the initial dose recommended for adults and adolescents over 15 years, is of 20 mg to 40 mg fursemide (1 or 2 angules) by intravenous (or in exceptional cases intramuscular) administration; the maximum dose varying according to individual response. Il flarger doses are required, they should be given increasing by 20 mg increments and not given more often than every two
- hours.
- In adults, the recommended maximum daily dose of furosemide administration is 1500 mg.
- Larger initial or maintenance doses may be needed in certain circumstances, depending on your medical condition. This will be determined by your doctor. If such doses are needed, they may be given by continuous infusion.

- Children and adolescents (up to 18 years of age):
 The experience in children and adolescents are limited. The intravenous administration of furosemide to children and adolescents below 15 years is only recommended in exceptional cases.
 The docsage will be adapted to the body weight, and the recommended dose ranges from 0.5 to 1 mg/kg body weight daily up to
- a maximum total daily dose of 20 mg. There should be a switch to oral therapy as soon as possible

Renal impairn

mediately.

If you stop treat much fluid.

4. Possible side effects

doctor or nurse immediately

· deafness (sometimes irreversible)

Rare (may affect up to 1 in 1,000 people)

Kidney damage (interstitial nephritis)

Blurred eyesight, confusion, sleepiness
 Dry mouth.

High temperature

Bh

non (may affect up to 1 in 100 people)

In patients with severe impairment of renal function (serum creatinine > 5 mg/dl) it is recommended that an infusion rate of 2.5 mg furosemide per minute is not exceed.

Elderly: - The recommended initial dose is 20 mg/day, increasing gradually until the required response is achieved.

If you receive more Furosemide Solution for Injection or Infusion than you should

ned that you may have been given too much furos mide, talk to your doctor or other r edicinal staff imm Signs which may occur if you have been given too much of this medicine are dryness of the mouth, increased thirst, irregular heartbeat, mood changes, muscle cramps or pain, feeling or being sick, unusual tiredness or weakness, a weak pulse or loss of appetite

If you stop using Furosemide Solution for Injection or Infusion If you stop treatment early before your doctor's recommendation, your heart, lungs or kidneys may be seriously affected by too

Like all medicines. Furosemide can cause side effects, although not everybody gets them. If you notice any of the following, tell the

Haring problems, consequence, so a appeara, new appeara, association in the mouth and stomach. Haring problems (more common in kinely failure) and influxits (ringing in the ears). Anaphysics, a severe allergroreaction which can cause skin rashes, swelling, breathing difficulties, and loss of consciousness. Seek medical help immediately.

Very low white blood cell levels in the blood (which can lead to life threatening infections). Get medical help immediately. Muscle problems, including leg cramps or muscle weakness.

If you miss a dose of Furosemide Solution for Injection or Infusion

If you are concerned that you may have missed a dose, talk to your doctor or other medicinal staff immediately

If you have any further questions on the use of this product, ask your doctor or other medicinal staff

· Skin rashes (including itching, redness, peeling), a bruising tendency or your skin being sensitive to sunlight

Feeling or being sick, diarrhoea, constituation, loss of appetite, discomfort in the mouth and stomach

Blood cell changes can lead to failure of blood clotting (with increased risk of bleeding).

musue proteims, incurung ing dramps of musicale weakness. Pain or disconfit where the hingicaling is given (particular) after injection into muscle). The inflammatory disease lugus erythematosus may occur or get worse. Changes in blood test results (tal-like substances in your blood). A numb feeling, fingling or feeling dizzy.

Very rare (may affect up to 1 in 10,000 people) Severe muscle problems including twitching, spasms, cramps (also called "tetanus"). Biodo call changes that can lead to anaemia, inability to fight infection. Pancrealitis (severe lummry pain) due to inflammation of the pancreas.

While you are receiving Furosemide Solution for Injection or Infusion If you develop severe allergic reactions, like swelling of your face and/or throat or fever tell your doctor or other medicinal staff

. Not known (frequency cannot be estimated from the available data) acute generalised exanthematous pustulosis (AGEP)" (acute febrile drug eruption) dizziness, fainting and loss of conscio dizzi

consciousness (caused by symptomatic hypotension)

The following may also occur

- . Low blood pressure making you feel faint or dizzy. It may also cause the feeling of pressure in the head, joint pain, blood clot Even block pressue making you result in the value of the
- part, being sick, constipation, increased gas in your gut, increased urine production, increased urge to drink, or slow or irregular heart rhythm. These problems are more likely if you have other diseases like liver or heart problems or too little potassium in your detor if you take other medicines (see "Taking other medicines").
- . Low sodium, calcium and magnesium levels in the blood. This may occur due to increased loss of sodium, calcium and magnesium, buy our urine. Low sodium levels typically cause a lack of interest, cramp in the call, reduced appetite, weakness, sleepiness, being sick and confusion. Cramps can also be associated with low calcium levels or low magnesium levels in you body
- · Gout may occur or get worse

- Cout may occur or get worse.
 Exising profilement passing water may be made worse.
 Diabeles may occur or get worse.
 Live problems or changes in the blood may cause jaundice (vellow skin, dark urine, tiredness).
 Reduced volume of body fluid sepacially in eliderly patients. Sever fluid loss may lead to increased concentration of the blood
- with a tendency for the development of blood clots. Premature bables may give lidinely stones or calification in premature bables the channel between the lung artery and the aorta which is open in the unborn baby might stay open. Prer

Reporting of side effects

Reporting or size effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. If you get any side fletcs, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. You can also report side effects a directly via the national reporting system (see contact cleals) below). By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store Furosemide Injection 10 mg/ml Keep out of the sight and reach of children. Do not store above 25° C. Do not refrigerate.

Keep the ampoule / vial in the outer carton in order to protect from light.

Reep in announce real in the count calculation indices to prove characteristic terms and the count of the cou

Neclicine should not be disposed of via wastewater or household waste. Ask your pharmacist how to dispose of medicines no longer required. These measures will help to protect the environment. required. The

6. Contents of the pack and other information What Furosemide Injection 10 mg/ml contains

The active substance is furcesemide. Each mil of solution contains 10 mg of the active ingredient - furcesemide. Each 2 mil sterile solution for injection contains 20 mg of furcesemide Each mil of sterile solution for injection contains 40 mg furcesemide. Each 5 mil of sterile solution for injection contains 50 mg of furosemide. Each 25 ml of sterile solution for injection contains 250 mg furosemide

The other ingredients are sodium chloride, sodium hydroxide and water for injections

What Furosemide Injection 10 mg/ml looks like and the content of the pack

Furosemide Injection 10 mg/ml is a colourless or almost colourless sterile solution for injection or infusion.

20 mg in 2 ml: amber coloured ampoule with two white ring and white OPC dot containing 2 ml solution 40 mg in 4 ml: amber coloured 5 ml ampoule with white snap off and blue band containing 4 ml solution 50 mg in 5 mt: amber coloured 5 mt ampoule with white snap off and white band containing 5 mt solution. 250 mg in 25 mt: Type I amber glass vial sealed with a chlorobutyl rubber stopper and aluminium seal and a red flip off cap containing 5 m I solution.

Pack sizes , 10 x 2 ml ampoules , 5 , 10 x 4 ml ampoules 5 10 x 5 ml ampoules 1.5.10 x 25 ml vials

Not all pack sizes may be marketed.

Manufactured by:

Ray Life Sciences Pvt. Ltd. Survey No. 25/1. Hubli Karwar Highway. Kadanakoppa, Kalghatgi Taluk Dharwad District, Karnataka - 5 ka - 581204

The following information is intended for medical or healthcare professionals only: Any unused solution should be adequately disposed of, in accordance with local requirem

nents

Handling Instructions:

For single use only. Do not use Furosemide Solution for Injection or Infusion after the expiry date, which is stated on the ampoule and carton after the state of the state of the last dawn finds month.

Furosemide Injection diluted to 1 mg/ml is compatible with 9 mg/ml (0.9%) NaCl Infusion, and Compound Sodium Lactate Infusion for 24 hrs. The dilution of the solution for injection or infusion is to be made under aseptic conditions.

The solution is to be inspected visually for particulate matter and discoloration prior to administration

The solution should only be used if the solution is clear and free from particles.

Any unused product or waste material should be disposed of in accordance with local requirements. Product containing visible particles should not be used. For single use only, discard any remaining contents after use.

Furosemide 10 mg / ml Solution for Injection or Infusion solution should not be mixed with any other drugs in the injection bottle

Storage information Do not store above 25° C. Do not refrigerate.

Keep the ampoule/ vial in the outer carton in order to protect from light.

After first opening: Once opened the product should be used immediately. After dilution: Chemical and physical in-use stability has been demonstrated for 24 hours at 25°C protected from light.