PACKAGE LEAFLET: INFORMATION FOR THE USE denosine $30 \mathrm{mg} / 10 \mathrm{~m}$
(Referred to as Adenosine Infusion in
the leaflet)
Read all of this leaflet carefully before you start to take this medicin
Keep this leaflet. You may need to read it again
If you have any further questions, ask your doctor or nurse
If you get any side effects, talk to your doctor or nurse ossible 4.
is includes any possible side effects not listed in his leaflet. See
n this leaflet:
. What Adenosine Infusion is and what it is used for 2. Before you are given Adenosine Infusion
How you will be given Adenosine Infusion 3. Howsible side effects
5. How to store Adenosine Infusion . Further information

## 1. What Ade used for

he name of your medicine is Adenosine Infusion. The active ingredient in your medicine is adenosine Adenosine belongs to a group of medicines called Coronary vasodilators
This medicine is for diagnostic use only.
Adenosine Infusion is given before a test called
"myocardial perfusion this test you are given a medicine called a "radiopharmaceutical".
Adenosine Infusion works by opening up your heart's blood vessels and allowing blood to flow more freely. This allows the" radiopharmaceutical" medicine to $g$ et into your heart. The doctor can see your heart and assess your heart condition. This is used if you are no apable of exercise or if an exercise stress test is not

## 2. Before you are given Adenosine Infusion <br> Do not have this medicine and tell your doctor

f you:
are allergic (hypersensitive) to adenosine or to any
of the other ingredients in this medicine (listed in section 6)
Signs of an allergic reaction include: a rash, swallowing or breathing problems, swelling of your lips, face, throat or tongue
have very low blood pressure (severe hypotension) have unstable angina which is not controlled by reatment with medicine
have asthma or any other severe breathing
are taking a medicine called dipyridamole (used to thin the blood) have a type of heart failure where your heart is no have a type of heart failure
have problems with your heart rhythm and do not have a pacemaker (second or third degree atrioventricular block, sick sinus syndrome) This is a rare heart problem that can lead to a fast heartbeat and fainting.
Do not have this medicine if any of the above apply o you. If you are not sure, talk to your doctor or nurse efore you are given Adenosine Infusion.
Warnings and Precautions
Check with your doctor or nurse before you have
dow ilod
low blood volume (hypovolaemia) that is not adequately corrected by treatment with medicines the'autonomic nervous system'.
narrowing of the main arteries in the neck (carotic
artery). This means that not enough blood is
getting to the brain (cerebrovascular insufficiency)
or have ever had fits or convulsions
difficulty in breathing (bronchospasm)
difficulty in breathing (bronchospasm)
heart disease due to narrowing of your
valves (stenotic valvular heart disease)
inflammation of the membrane surrounding your heart (pericarditis) or a build-up of the fluid around your heart (pericardial effusion)
left-right shunt in your heart. This will mean from the left side of your hear to the right side
narrowing of the left main artery supplying blood to your heart (left main coronary stenosis) had a recent heart attack, severe heart failure or ou have had a heart transplant in the last year an unusual heart rhythm. For example, your or atrial flutter) and in particular if you have a ondition where your heart has abnormal electric activity ('accessory conduction pathway') any minor problem with your heart (first degree atrioventricular block or a bundle branch block). These conditions may be temporarily aggravated when you are given Adenosine Infusion
k to your doctor immediately if
You experience signs of stroke. This may present itself as a sudden numb or weak feeling in the face,
arms, or legs. Other signs include feeling confused problems with sight, walking, coordination or balance, problems in saying words or slurring of speech
You experience signs of heart attack (myocardial nfarction). Severe chest pain is the usual main symptom. The pain may also travel up into your
jaw, and down your left arm, or down both arms. You may also sweat, feel sick, and feel faint. A smal heart attack (myocardial infarction) occasionally happens without causing pain (a'silent myocardia infarction'). It may be truly pain-free, or sometimes the pain is mild and you may think it is just heartburn or 'wind'.
you are not sure if any of the above apply to you talk to your doctor or
Children and adolescents
Adenosine Infusion use in children and adolescents has not been sufficiently studied
Taking other medicines
lease tell your doctor or nurse if you are taking or have recently taken or might take any other medicines. This includes medicines obtained withou a prescription, including herbal medicines. This is other medicines work. Also some medicines can affect the way Adenosine Infusion works. In particular, check with your doctor or nurse if you are taking any of the following:
Dipyridamole (medicine used to thin the blood). Make sure your doctor knows you are taking dipyridamole. Your doctor may tell you to stop Adenosine Infusion or you may be given a much ower dose of Adenosine Infusion
Aminophylline, theophylline or other xanthines (medicines used to help breathing). Make sure you tell your doctor you are taking any of these medicines. Your doctor may tell you to stop takin hem 24 hours before you
Taking Adenosine Infusion with food and drink Food and drink containing xanthines such as tea, coffee chocolate and cola, should be avoided for at least 12 hours before you are given Adenosine Infusion. Pregnancy and breast-feeding Talk to your doctor or nurse before having this medicine if:
You are pregnant, might become pregnant, or given Adenosine Infusion unless clearly necessary You are breast-feeding. You should not be given Adenosine Infusion.
Ask your doctor or nurse for advice before taking any medicine if you are pregnant or breast-feeding. Important information about some of the ingredients of Adenosine infusio This medicinal product contains approximately into consideration by patients on a controlled sodium diet.
3. How you will be given Adenosine Infusion Adenosine Infusion will be given to you by a docto or nurse as an injection. The injection will be into one of your veins. It will be given over a period of time (this is called an intravenous infusion)

NFORMATION FOR HEALTHCARE PROFESSIONALS Adenosine $\mathbf{3 0} \mathbf{m g} / \mathbf{1 0 m l}$ Solution for Infusion Please refer to the Summary of Product Cuaracteristics
(SmPC) for further details on this product Qualitative and Quantitative Composition Qualitative and Quantitative Composition
Each vial contains 30 mg of adenosine per $10 \mathrm{ml}(3 \mathrm{mg} / \mathrm{ml})$.
Excipient: each vial contains approximately 36 mg of Each vial contains 30mg of adenosine per tem
Exicient each vial lontains approximately 36 mg of
sodium per vial ( 10 ml ). sodium per vial ( 10 ml ).
For a full list of excipient, see SmPC Section 6.1 . Pharmaceutical Form
Solution for infusion.
A clear, colourless solution free from visible particles Therapeutic indications
Intravenous (IV) adenosine infusion is a coronary myocardial perfusion imaging in in pathients who whide cannot exercise
nappropriate.
Posology and method of administration Adenosine infusion is intended for use in hospitals with monitoring and cardio-respiratory resuscitation equipment avadmie for should be administered following the same procedure as for exercise testing where facilities for cardiac monitoring and cardio-respiratory resuscitatio are available. During administration of adenosine
infusion continuous ECG control is necessary as life infusion cont inrhus EGia control iccuecessary as ife-
threatening arrhythmia mht occurt Heart and and
blood pressure should be monitored every minute. $\frac{\text { Posology: }}{\text { Adults }:}$

1. Adenosine Infusion should be administered undiluted as a continuous peripheral intravenous infusion at a
dose of 140 ug/kg/min for six minutes using an infusion
pump. Separate venous sites for Adenosing pump. Selarate venous sites for Ademsine Infusion and
adionuclide administration are recommended to avoid an adenosine bolus effect.
2. After three minutes of Adenosine Infusion, the coronary blood flow to to to ensurure surfficient the time for peak
cormal vasodilateak protocol is achieved with six minutes of Adenosine
nusion
3. To avoid an adenosine bolus effect, blood pressure should be measured in the arm opposite to the
adenosine infusion. denosine infusion
The table below is given as a guide for adjustment of
the infusion rate of undiluted Adenosine Infusion, in lin he infusion rate of undiluted Adenosine in
with bodyweight (total dose $0.84 \mathrm{mg} / \mathrm{kg}$ ).

## aediatric population. <br> safety and efficacy of adenosine in children aged o 18 years have not been established. Currently vailable data are described in section 5.1 (SmPC) (Sme no no

 Elderly: ee dosage recommendations for adults. harmaceutical Particulars ist of excipients Sodium chloride Water for injectionsIncompatibilities In the absence of compatibility studies, this medicina
product must not be mixed with other medicinal products.
Unopened: 36 month Special precautions for storage
Store below $25^{\circ} \mathrm{C}$. Do not refrigerate. Nature and contents of container chlorobutyl rubber closures. Packs of 6 vials packed in a PVC tray in a cardboard carton.
Special precautions for disposal
Do not use if any particles or discolouration are noticed in the solutition. Any unusedo d producuct or waste
naterial should be disposed of in accordance with material should be disposed of in accordance with local
requirements Marketing Authorisation Holder Nockhardt UK Ltd, Ash Road North, Wrexham, LL13 9UF, UK
Marketing Authorisation Number PL 29831/0456
Date of Revision of Text: 6/2023

Your heart rate and blood pressure will be closely monitored
How much Adenosine Infusion is given
If you are not sure why you are being given
Adenosine Infusion or have any questions about how to your doctor or nurse
Adults (including the elderly)

- The dose is calculated according to your weight The usual dose is 140 micrograms per kilogram of of six minutes through an infusion pump (a slow
oner injection into a vein)
The dose of Adenosine Infusion is not changed if
you have liver or kidney problems
If you have more Adenosine Infusion than you should
As this medicine is given to you by your docto or nurse. It is unlikely that you will be given too much. You doctor will carefully work out how much
Adenosine Infusion you should be given.
If you have more of this medicine than you should,
the following effects may happen:
- Very low blood pressure (severe hypotension)
- Slow heartbeat (bradycardia)
- A heart problem (asystole).

Your doctor will be monitoring your heart throughout the procedure.
As the length of time Adenosine stays in the blood is very short, any side effects of too much Adenosine would quickly stop when the infusion is stopped.
Sometimes you may need an injection of a medicine
called aminophylline or theophylline to help with any side effects.
If you have any further questions on the use of this
medicine, ask your doctor or nurse.

## 4. Possible side effects

Like all medicines, Adenosine Infusion can cause side
effects, although not everybody gets them
While you are being given Adenosine Infusion you
may have some of the following side effects: If a of the fill
your doctor or nurse immediately and they will decide if you should continue the infusion or not The side effects normally settle within seconds or minutes after the infusion is finished but you should tell your doctor or nurse if any of them happen. Very common (may affect more than 1 in 10 people) Reddening of the skin with a feeling of heat (flushing)
Shor sss of breath or the urge to breathe deeply (dyspnoea)
Headache
Chest pain or pressure on the chest Abdominal discomfort.
Common (may affect up to 1 in 10 people)
Feeling dizzy, or light-headed
Unusual skin sensations such as numbness, tingling, prickling, burning or creeping on the skin (paraesthesia)
A heart problem called an atrioventricular block
Fast or irregular heartbeat (disorders of cardiac
rhythm)
Dry mouth
Discomfort in throat, jaw or neck
Uncommon (may affect up to 1in 100 people)
Sweating
Discomfort in leg, arm or back
Feeling of weakness or pain, or of general
discomfort
Feeling nervous
Slow heartbeat (bradycardia),

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

Difficulty in breathing (bronchospasm)
Blocked nose
Feeling drowsy
Blurred vision
Ringing in the ear (tinnitus)
Feeling a sudden need to urinate
Nipple discomfort
Tremors.

Very rare side effects (may affect up to 1 in
10,000 people)
Redness, pain , the site of injection
Other side effects
(frequency cannot be
estimated from the available
data)

- Allergic reactions including
swelling of the face or
throat, and skin reactions
such as hives or rash
Severe heart problems
which can be fatal (asystole)
- Fits (convulsions)
- Fainting
- Stopping breathing (respiratory arrest) - Feeling sick (nausea) or being sick (vomiting) Spasm of the artery in the heart which may lead to a heart attack.
If any of the above side effects get worse, tell your doctor or nurse immediately and they will decide if you should continue the infusion or not. The side after the infusion is finished but you should tell your doctor or nurse if any of them happen. Reporting of side effects
If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme, website. MHRA Yellow Card in the Google Play or Apple App Store.
By reporting side effects you can help provide more information on the safety of this medicine.


## 5. How to store Adenosine Infusion

Keep out of the reach and sight of children. Do not use this medicine after the expiry date which is stated on the label and carton after EXP. The expiry $25^{\circ} \mathrm{C}$. Do not refrigerate
The product should be used immediately after opening. Do not use if any particles or discolouration are noticed in the solution.
Medicines should not be disposed of via wastewater or household waste. Your doctor or nurse will dispos of any unused medicine. These measures will help protect the environment.

## 6. Further information

What Adenosine
The active ingredient is adenosine.
Each 10 ml vial contains 30 mg of adenosine ( $3 \mathrm{mg} / \mathrm{ml}$ ). The other ingredients are sodium chloride and water for injections.
What Adenosine $30 \mathrm{mg} / 10 \mathrm{ml}$ Solution for Infusion looks like and the contents of the pack Adenosine is a clear, colourless solution for infusion available in packs of 6 single use glass vials. Marketing Authorisation Holder Wockhardt UK Ltd, Ash Road North, Wrexham LL13 9UF, UK
Manufacturer
CP Pharmaceuticals Ltd, Ash Road North, Wrexham LL13 9UF, UK
Other formats:
To listen to or request a copy of this leaflet in Braille, large print or audio please call, free of charge: 08001985000 (UK only).
Please be ready to give the following information:

| Product name | Reference number |
| :--- | :--- | | Adenosine $30 \mathrm{mg} / 10 \mathrm{ml}$ | PLerence $29831 / 0456$ |
| :--- | :--- | | Adenosine $30 \mathrm{mg} / 0 \mathrm{~m}$ |
| :--- |
| Solution for Infusion |

This is a service provided by the Royal National Institute of Blind People.
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