INFORMATION FOR THE USER Azacitidine 25 mg/ml

powder for suspension for injection

Azacitidine

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

What is in this leaflet 1. What Azacitidine is and what it is used for

- 2. What you need to know before you use Azacitidine
- 3. How to use Azacitidine
- 4. Possible side effects
- 5. How to store Azacitidine 6. Contents of the pack and other information

What Azacitidine is Azacitidine is an anti-cancer agent which belongs to a

1. WHAT AZACITIDINE IS AND WHAT IT IS

group of medicines called 'anti-metabolites'. Azacitidine

USED FOR

What Azacitidine is used for Azacitidine is used in adults who are not able to have a

stem cell transplantation to treat:

• higher-risk myelodysplastic syndromes (MDS). • chronic myelomonocytic leukaemia (CMML).

• acute myeloid leukaemia (AML).

contains the active substance 'azacitidine'.

- These are diseases which affect the bone marrow and can cause problems with normal blood cell production.

How Azacitidine works Azacitidine works by preventing cancer cells from growing. Azacitidine becomes incorporated into the genetic material

of cells (ribonucleic acid (RNA) and deoxyribonucleic

acid (DNA)). It is thought to work by altering the way the cell turns genes on and off and also by interfering with the production of new RNA and DNA. These actions are thought to correct problems with the maturation and growth of young blood cells in the bone marrow that cause myelodysplastic disorders, and to kill cancerous cells in Talk to your doctor or nurse if you have any questions about how Azacitidine works or why this medicine has been prescribed for you.

2. WHAT YOU NEED TO KNOW BEFORE YOU **USE AZACITIDINE**

Do not use Azacitidine • if you are allergic to azacitidine or any of the other ingredients of this medicine (listed in section 6).

- · if you are breast-feeding.
- Warnings and precautions

· if you have advanced liver cancer.

Talk to your doctor, pharmacist or nurse before using Azacitidine:

if you have decreased counts of platelets, red or white blood cells.

· if you have kidney disease. if you have liver disease

- if you have ever had a heart condition or heart attack or any history of lung disease.

- Azacitidine can cause a serious immune reaction called 'differentiation syndrome' (see section 4).

You will have blood tests before you begin treatment with Azacitidine and at the start of each period of treatment (called a 'cycle'). This is to check that you have enough

blood cells and that your liver and kidneys are working properly.

this medicine.

during treatment.

Blood test

Children and adolescents Azacitidine is not recommended for use in children and adolescents below the age of 18.

Tell your doctor or pharmacist if you are using, have recently used or might use any other medicines.

Other medicines and Azacitidine

This is because Azacitidine may affect the way some other medicines work. Also, some other medicines may affect the way Azacitidine works.

Pregnancy You should not use Azacitidine during pregnancy as it may be harmful to the baby.

Tell your doctor straight away if you become pregnant

If you are pregnant or breast-feeding, think you may be

If you are a woman who can become pregnant you should use an effective method of contraception while taking azacitidine and for 6 months after stopping treatment with

Pregnancy, breast-feeding and fertility

pregnant or are planning to have a baby, ask your doctor or pharmacist for advice before taking this medicine.

Recommendations for safe handling

products should be applied.

The following information is intended for healthcare professionals only:

Breast-feeding

You should not breast-feed when using Azacitidine. It is not known if this medicine passes into human milk.

Fertility

Men should not father a child while receiving treatment with Azacitidine. Men should use an effective method of contraception while taking azacitidine and for 6 months after stopping treatment with this medicine.

Talk to your doctor if you wish to conserve your sperm

Driving and using machines Do not drive or use any tools or machines if you experience

side effects, such as tiredness.

3. HOW TO USE AZACITIDINE

before starting this treatment.

another medicine to prevent nausea and vomiting at the start of each treatment cycle. • The recommended dose is 75 mg per m² body surface

Before giving you Azacitidine, your doctor will give you

depending on your general condition, height and weight. Your doctor will check your progress and may change your dose if necessary. · Azacitidine is given every day for one week, followed by a rest period of 3 weeks. This "treatment cycle" will be

area. Your doctor will decide your dose of this medicine,

repeated every 4 weeks. You will usually receive at least 6 treatment cycles. This medicine will be given to you as an injection under the skin (subcutaneously) by a doctor or nurse. It may be given

If you have any further questions on the use of this medicine, ask your doctor, pharmacist or nurse.

under the skin on your thigh, tummy or upper arm.

4. POSSIBLE SIDE EFFECTS Like all medicines, this medicine can cause side effects,

Tell your doctor straight away if you notice any of the

failure and can be life-threatening.

life-threatening.

threatening.

reaction.

and pale.

although not everybody gets them.

following side effects: · Drowsiness, shaking, jaundice, abdominal bloating and easy bruising. These may be symptoms of liver

passing of water, increased thirst, rapid pulse, dizziness and nausea, vomiting or reduced appetite and feelings of confusion, restlessness or fatigue. These may be symptoms of kidney failure and can be

· Swelling of the legs and feet, back pain, reduced

threatening. · Chest pain or shortness of breath which may be accompanied with a fever. This may be due to an infection of the lung called "pneumonia", and can be life-

. A fever. This could be due to an infection as a result of

having low levels of white blood cells, which can be life-

Bleeding. Such as blood in the stools due to bleeding in the stomach or gut, or such as bleeding inside your head. These may be symptoms of having low levels of platelets in your blood. Difficulty breathing, swelling of the lips, itching or

rash. This may be due to an allergic (hypersensitivity)

Other side effects include: **Very common side effects** (may affect more than 1 in 10 people)

Reduced red blood count (anaemia). You may feel tired

• Reduced white blood cell count. This may be

accompanied by a fever. You are also more likely to get infections.

- A low blood platelet count (thrombocytopenia). You are more prone to bleeding and bruising. · Constipation, diarrhoea, nausea, vomiting.
- · Pneumonia. · Chest pain, being short of breath. · Tiredness (fatigue).
- Injection site reaction including redness, pain or a skin reaction. · Loss of appetite.
- Joint aches. • Bruising.

• Red or purple spots under your skin.

- Pain in your belly (abdominal pain). · Itching.
- Fever. · Sore nose and throat. · Dizziness.

· Rash.

- · Headache. · Having trouble sleeping (insomnia). Nosebleeds (epistaxis).
- Weight loss. • Low levels of potassium in your blood.

· Weakness (asthenia).

· Muscle aches.



Reconstitution procedure Azacitidine should be reconstituted with water for injections. The shelf life of the reconstituted medicinal product can be extended by reconstituting with refrigerated (2 °C to 8 °C) water for injections. Details on storage of the reconstituted

comes into contact with mucous membranes, flush thoroughly with water.

product are provided below. 1. The following supplies should be assembled:

particles or agglomerates.

For immediate use

Storage of the reconstituted product

Vial(s) of azacitidine; vial(s) of water for injections; non-sterile surgical gloves; alcohol wipes; 5 ml injection syringe(s) with needle(s). 2.4 ml of water for injections should be drawn into the syringe, making sure to purge any air trapped within the syringe. 3. The needle of the syringe containing the 4 ml of water for injections should be inserted through the rubber top of the azacitidine vial followed by injection of the water for injections into the vial.

4. Following removal of the syringe and needle, the vial should be vigorously shaken until a uniform cloudy suspension is achieved. After reconstitution each mL of suspension will contain 25 mg of azacitidine (100 mg/4 ml). The reconstituted product is a homogeneous, cloudy suspension, free of agglomerates. The product should be discarded if it contains large particles or agglomerates. Do not filter the suspension after reconstitution since this could remove the active substance. It must be taken into account that filters are present in some adaptors, spikes and closed systems; therefore such

5. The rubber top should be cleaned and a new syringe with needle inserted into the vial. The vial should then be turned upside down, making sure the needle tip is below the level of the liquid. The plunger should then be pulled back to withdraw the amount of medicinal product required for the proper dose, making sure to purge any air trapped within the

6.A fresh subcutaneous needle (recommended 25-gauge) should then be firmly attached to the syringe. The needle should

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Azacitidine is a cytotoxic medicinal product and, as with other potentially toxic compounds, caution should be exercised when handling and preparing azacitidine suspensions. Procedures for proper handling and disposal of anticancer medicinal

If reconstituted azacitidine comes into contact with the skin, immediately and thoroughly wash with soap and water. If it

not be purged prior to injection, in order to reduce the incidence of local injection site reactions. 7. When more than 1 vial is needed all the above steps for preparation of the suspension should be repeated. For doses requiring more than 1 vial, the dose should be equally divided e.g., dose 150 mg = 6 ml, 2 syringes with 3 ml in each syringe. Due to retention in the vial and needle, it may not be feasible to withdraw all of the suspension from the vial. 8. The contents of the dosing syringe must be re-suspended immediately prior to administration. The temperature of the suspension at the time of injection should be approximately 20 °C-To re-suspend, vigorously roll the the palms until a uniform, cloudy suspension is achieved. The product should be discarded if it contains large

systems should not be used for administration of the medicinal product after reconstitution.

syringe. The syringe with needle should then be removed from the vial and the needle disposed of.

The Azacitidine suspension may be prepared immediately before use and the reconstituted suspension should be administered within 45 minutes. If elapsed time is greater than 45 minutes, the reconstituted suspension should be discarded appropriately and a new dose prepared. For later use When reconstituting using water for injections that has not been refrigerated, the reconstituted suspension must be placed

in a refrigerator (2 °C to 8 °C) immediately after reconstitution, and kept in the refrigerator for a maximum of 8 hours. If the elapsed time in the refrigerator is greater than 8 hours, the suspension should be discarded appropriately and a new

When reconstituting using refrigerated (2 °C to 8 °C) water for injections, the reconstituted suspension must be placed in a refrigerator (2 °C to 8 °C) immediately after reconstitution, and kept in a refrigerator for a maximum of 22 hours. If the elapsed time in the refrigerator is greater than 22 hours, the suspension should be discarded appropriately and a new dose

The syringe filled with reconstituted suspension should be allowed up to 30 minutes prior to administration to reach a temperature of approximately 20 °C-25 °C. If the elapsed time is longer than 30 minutes, the suspension should be discarded appropriately and a new dose prepared.

BSA value of 1.8 m2. Number of vials Dose mg/m2 Total dose based on Total volume of reconstituted suspension required (% of recommended starting dose) BSA value of 1.8 m² required

The following table is provided only as an example of how to calculate individual azacitidine doses based on an average

The total dose, according to the body surface area (BSA) can be calculated as follows:

75 mg/m2 (100 %) 135 mg 2 vials 5.4 ml 37.5 mg/m2 (50 %) 67.5 mg 1 vial 2.7 ml 45 mg 1.8 ml 37.5 mg/m2 (50 %) 1 vial Method of administration Do not filter the suspension after reconstitution.

Reconstituted Azacitidine should be injected subcutaneously (insert the needle at a 45-90° angle) using a 25-gauge needle into the upper arm, thigh or abdomen.

areas where the site is tender, bruised, red, or hardened.

Calculation of an individual dose

Total dose (mg) = Dose (mg/m2) x BSA (m2)

Doses greater than 4 ml should be injected into two separate sites. Injection sites should be rotated. New injections should be given at least 2.5 cm from the previous site and never into

Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

Common side effects (may affect up to 1 in 10 people)

- · Bleeding inside your head.
- An infection of the blood caused by bacteria (sepsis). This
- may be due to low levels of white cells in your blood. · Bone marrow failure. This can cause low levels of red and
- white blood cells and platelets. A type of anaemia where your red and white blood cells and platelets are reduced.
- · An infection in your urine.
- · A viral infection causing cold sores (herpes).
- · Bleeding gums, bleeding in the stomach or gut, bleeding from around your back passage due to piles (haemorrhoidal haemorrhage), bleeding in your eye, bleeding under your skin, or into your skin (haematoma).
- · Blood in your urine.
- Ulcers of your mouth or tongue.
- · Changes to your skin at the injection site. These include swelling, a hard lump, bruising, bleeding into your skin (haematoma), rash, itching and changes in the skin
- · Skin infection (cellulitis).
- colour. · Redness of your skin.
- An infection of the nose and throat, or sore throat.
- · Sore or runny nose or sinuses (sinusitis). High or low blood pressure (hypertension or hypotension).
- · Being short of breath when you move.
- Pain in your throat and voicebox.
- Indigestion.
- · Lethargy. · Feeling generally unwell.
- Anxiety.
- · Being confused.
- · Hair loss.
- · Kidney failure.
- · Dehydration.
- · White coating covering tongue, inner cheeks, and sometimes on the roof of your mouth, gums and tonsils (oral fungal infection).
- hypotension) leading to dizziness when moving to a standing or sitting position. • Sleepiness, drowsiness (somnolence).

• A fall in blood pressure when standing (orthostatic

- Bleeding due to a catheter line. · A disease affecting the gut which can result in fever,
- vomiting and stomach pain (diverticulitis). • Fluid around the lungs (pleural effusion).
- · Shivering (chills).

Muscle spasms.

- Raised itchy rash on the skin (urticaria).
- Collection of fluid around the heart (pericardial effusion).
- people)
- · Allergic (hypersensitivity) reaction.
- · Shaking. · Liver failure.

Uncommon side effects (may affect up to 1 in 100

· Large plum-coloured, raised painful patches on the skin

- Painful skin ulceration (pyoderma gangrenosum).
- with fever.
- Inflammation of the lining around the heart (pericarditis). Rare side effects (may affect up to 1 in 1,000 people)

can occur during treatment of cancer and sometimes

 Dry cough. • Painless swelling in the finger tips (clubbing). · Tumour lysis syndrome - Metabolic complications that

by the product of dying cancer cells and may include the following: changes to blood chemistry; high potassium,

even without treatment. These complications are caused

phosphorus, uric acid, and low calcium consequently leading to changes in kidney function, heartbeat,

seizures, and sometimes death. Not known (frequency cannot be estimated from the available data) · Infection of the deeper layers of skin, which spreads quickly, damaging the skin and tissue, which can be lifethreatening (necrotizing fasciitis). Serious immune reaction (differentiation syndrome) that

may cause fever, cough, difficulty breathing, rash, decreased urine, low blood pressure (hypotension), swelling of the arms or legs and rapid weight gain.

· Inflammation of blood vessels in the skin which may result in rash (cutaneous vasculitis)

Reporting of side effects If you get any side effects, talk to your doctor, pharmacist

in this leaflet. You can also report side effects directly via the via the Yellow Card Scheme Website: www.mhra.

or nurse. This includes any possible side effects not listed

gov.uk/yellowcard or search for 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

5. HOW TO STORE AZACITIDINE

Keep this medicine out of the sight and reach of children.

Do not use this medicine after the expiry date which is stated on the label and carton. The expiry date refers to the last day of that month.

Your doctor, pharmacist or nurse are responsible for storing Azacitidine. They are also responsible for preparing and disposing of any unused Azacitidine correctly.

storage conditions. When Azacitidine is reconstituted using water for injections

For unopened vials of this medicine – there are no special

that has not been refrigerated, chemical and physical in-use stability of the reconstituted medicinal product has been demonstrated at 25 °C for 45 minutes and at 2 °C to 8 °C for 8 hours. The shelf life of the reconstituted medicinal product can

be extended by reconstituting with refrigerated (2 °C to 8

°C) water for injections. When Azacitidine is reconstituted using refrigerated (2 °C to 8 °C) water for injections, the chemical and physical in-use stability of the reconstituted medicinal product has been demonstrated at 2 °C to 8 °C for 22 hours. The suspension should be allowed up to 30 minutes prior to administration to reach room temperature (20 °C-25 °C).

If large particles are present in the suspension it should be discarded.

household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

Do not throw away any medicines via wastewater or

What Azacitidine contains • The active substance is azacitidine. One vial contains

100 mg azacitidine. After reconstitution with 4 ml of

6. CONTENTS OF THE PACK AND OTHER

water for injections, the reconstituted suspension contains 25 mg/ml azacitidine.

INFORMATION

- The other ingredient is mannitol. What Azacitidine looks like and contents of the pack Azacitidine is a white powder for suspension for injection
- and is supplied in a colourless glass vial containing 100 mg

Marketing Authorisation Holder Hikma Farmacêutica (Portugal), S.A.

Marketing Authorisation Holder and Manufacturer

of azacitidine. Each pack contains one vial of Azacitidine.

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