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of VELCADE[®] (bortezomib) **3.5 mg** vial for Subcutaneous (SC) and Intravenous (IV) use



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CORRECT RECONSTITUTION FOR SC AND IV ADMINISTRATION

VELCADE[®] (bortezomib) 3.5 mg powder for solution for injection is available for intravenous or subcutaneous administration, VELCADE[®] 1 mg powder for solution for injection is available for intravenous administration only.

Subcutaneous or Intravenous use only. Do not give by other routes. Intrathecal administration has resulted in death.

VELCADE[®] must be reconstituted by a Health Care Professional. Aseptic technique must be strictly observed throughout the handling of VELCADE[®] since no preservative is present.

of VELCADE[®] (bortezomib) **3.5 mg** vial for Subcutaneous (SC) and Intravenous (IV) use

Avoiding the potential risk of administration errors

In order to avoid dosing errors, caution is required when preparing VELCADE[®] as the volume required for reconstitution for the SC route is lower (1.4 ml) than that used for IV use (3.5 ml) giving a higher concentration of diluted drug (details are shown in tables 1 and 2).

As the drug concentration after reconstitution differs between the SC and IV preparations, special care is required when calculating the volume of reconstituted drug, which will be delivered to the patient according to the prescribed dose. Please see pages 8-10 for examples of dosing for the different routes.



SUBCUTANEOUS ROUTE OF ADMINISTRATION

Preparation of the 3.5 mg vial

Each 3.5 mg vial of VELCADE[®] must be reconstituted with 1.4 ml sterile sodium chloride 9 mg/ml (0.9 %) solution for injection – dissolution of the lyophilised powder is completed in less than 2 minutes.

Reconstitute the powder with 1.4 ml sodium chloride: inject the sodium chloride solution into the vial containing the lyophilised VELCADE[®].

Route of administration	Pack size	Reconstitution volume	Final concentration	
Subcutaneous use only	3.5 mg	1.4 ml	2.5 mg/ml	
		than that use a more conce	onstitution volume is less n that used for IV giving fore concentrated drug ution for injection	

Table 1: Reconstitution of 3.5 mg VELCADE® solution for SC injection

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Important information regarding RECONSTITUTION, DOSING AND ADMINISTRATION of VELCADE[®] (bortezomib) 3.5 mg vial for

Subcutaneous (SC) and Intravenous (IV) use

The reconstituted solution should be clear and colourless.

The reconstituted solution must be inspected visually for particulate matter and discolouration prior to administration. If any discolouration or particulate matter is observed, the reconstituted solution must be discarded.

The final concentration is 2.5 mg/ml.

PLEASE NOTE: The final drug concentration, when reconstituted for SC administration (2.5 mg/ml), is 2.5 times higher than that for the IV route (1 mg/ml) and therefore the volume required is lower when the SC route of administration is used.

Once dissolved, withdraw the appropriate amount of the reconstituted drug solution: according to calculated dose based upon the patient's Body Surface Area (BSA).

To avoid administration errors, syringes for SC and IV use should be labelled differently.



INTRAVENOUS ROUTE OF ADMINISTRATION

Preparation of the 3.5 mg vial

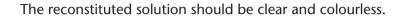
Each 3.5 mg vial of VELCADE[®] must be reconstituted with 3.5 ml sterile sodium chloride 9 mg/ml (0.9%) solution for injection – Dissolution of the lyophilised powder is completed in less than 2 minutes.

Reconstitute the powder with 3.5 ml sodium chloride: inject the sodium chloride solution into the vial containing the lyophilised VELCADE[®].

Route of administration	Pack size	Reconstitution volume	Final concentration
Intravenous use	3.5 mg	3.5 ml	1.0 mg/ml
		Reconstitution volume is mor than that used for SC giving a less concentrated drug solution for injection	

Table 2: Reconstitution of 3.5 mg VELCADE® solution for IV injection

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The reconstituted solution must be inspected visually for particulate matter and discolouration prior to administration. If any discolouration or particulate matter is observed, the reconstituted solution must be discarded.

Important information regarding RECONSTITUTION, DOSING AND ADMINISTRATION of VELCADE® (bortezomib) 3.5 mg vial for Subcutaneous (SC) and Intravenous (IV) use

The final concentration is 1.0 mg/ml.

Once dissolved, withdraw the appropriate amount of the reconstituted drug solution: according to calculated dose based upon the patient's Body Surface Area (BSA).

To avoid administration errors, syringes for SC and IV use should be labelled differently.



DOSING EXAMPLES FOR SC & IV ADMINISTRATION

Calculate the BSA using the slide rule. Additional examples are provided with the dosing slide rule.

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BSA: 1.7 m², Dose: 1.3 mg/m²

Intravenous	Subcutaneous	
Sample patient (1.7 m ²)	Sample patient (1.7 m ²)	
Vial size: 3.5 mg lyophilisate	Vial size: 3.5 mg lyophilisate	
Diluent volume: 3.5 ml saline	Diluent volume: 1.4 ml saline	
Final concentration	Final concentration	
1 mg/ml	2.5 mg/ml	
Dose: 1.3 mg/m ²	Dose: 1.3 mg/m ²	
Total dose for patient:	Total dose for patient:	
2.21 mg	2.21 mg	
Total volume*	Total volume*	
applied to the patient:	applied to the patient:	
2.2 ml	0.9 ml	
Injected IV (3-5 seconds push)	Injected SC	

*Total volume rounded

NOTE: If the calculated IV volume is used with the SC concentration, the patient will be overdosed.

If the calculated SC volume is used with the IV concentration the patient will be underdosed.

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of VELCADE[®] (bortezomib) **3.5 mg** vial for Subcutaneous (SC) and Intravenous (IV) use

BSA: 1.95 m², Dose: 1.3 mg/m²

Intravenous Sample patient (1.95 m²)

Vial size: 3.5 mg lyophilisate

Diluent volume: 3.5 ml saline

Final concentration 1 mg/ml

Dose: 1.3 mg/m² Total dose for patient*: 2.54 mg

Total volume* applied to the patient: 2.5 ml

Injected IV (3-5 seconds push) Subcutaneous Sample patient (1.95 m²)

Vial size: 3.5 mg lyophilisate

Diluent volume: 1.4 ml saline

Final concentration 2.5 mg/ml

Dose: 1.3 mg/m² Total dose for patient*: 2.54 mg

Total volume* applied to the patient: 1 ml

Injected SC

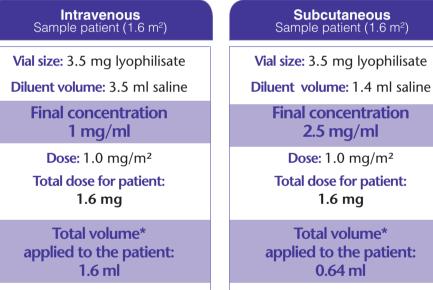
*Total volume rounded

NOTE: If the calculated IV volume is used with the SC concentration, the patient will be overdosed.

If the calculated SC volume is used with the IV concentration the patient will be underdosed.



BSA: 1.6 m², Dose: 1.0 mg/m²



Injected IV (3-5 seconds push) **Final concentration** 2.5 mg/ml

Dose: 1.0 mg/m² Total dose for patient: 1.6 mg

Total volume* applied to the patient: 0.64 ml

Injected SC

*Total volume rounded

NOTE: If the calculated IV volume is used with the SC concentration, the patient will be overdosed.

If the calculated SC volume is used with the IV concentration the patient will be underdosed.

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of VELCADE[®] (bortezomib) **3.5 mg** vial for Subcutaneous (SC) and Intravenous (IV) use

GENERAL INFORMATION

General Precautions

VELCADE[®] is a cytotoxic agent. Therefore, caution should be applied when handling and preparing VELCADE[®]. The use of gloves and other protective clothing to prevent skin contact is recommended.

Please report any adverse event experienced with the administration of VELCADE[®] immediately.

Subcutaneous or Intravenous use only. Do not give by other routes. Intrathecal administration has resulted in death.

Shelf life

3 Years.

Reconstituted solution

VELCADE[®] is for single use only. Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

The reconstituted product is preservative free and should be used immediately after preparation. However, the chemical and physical in-use stability of the reconstituted solution has been demonstrated for 8 hours at 25°C stored in the original vial and / or syringe, with a total storage time for the reconstituted medicinal product not exceeding 8 hours prior to administration. It is not necessary to protect the reconstituted medicinal product from light.



CORRECT ADMINISTRATION FOR SC & IV VELCADE®

How to administer VELCADE® SC?

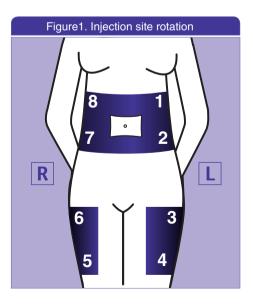
Confirm the dose in the syringe prior to use (check that the syringe is marked as SC administration).

Inject the solution subcutaneously, at a 45-90 °angle.

The reconstituted solution should be administered subcutaneously in the thighs or abdomen and injection sites should be rotated for successive injections.

- Injections at the same site should be avoided
 - Alternate between
 - right and left abdomen (upper or lower quadrant)
 - right and left thigh (proximal and distal sites)

Remind the patient to take the antiviral prophylaxis.



RECONS GUIDE OKVersión 2.indd 12

of VELCADE[®] (bortezomib) **3.5 mg** vial for Subcutaneous (SC) and Intravenous (IV) use

How to administer VELCADE® IV?

Confirm the dose in the syringe prior to use (check that the syringe is marked for IV administration).

Inject the solution as a 3-5 second bolus intravenous injection through a peripheral or central intravenous catheter into a vein. The use of IV hydration and an antiemetic medication as concomitant therapy prior to administration of IV VELCADE[®] is recommended. Remind the patient to take the antiviral prophylaxis.

Flush the peripheral or intravenous catheter with sterile 9 mg/ml (0.9 %) sodium chloride solution.

Please report any adverse event experienced with the administration of VELCADE[®] immediately.

VELCADE®7 3.5 mg POWDER FOR SOLUTION FOR INJECTION PRESCRIBING INFORMATION

ACTIVE INGREDIENT: Bortezomib

Please refer to Summary of Product Characteristics (SmPC) before prescribing

INDICATION(S): Monotherapy of progressive multiple myeloma in adult patients who have had at least 1 prior therapy and already undergone or are not suitable for bone marrow transplantation. With melphalan & prednisolone for treating previously untreated multiple myeloma in adult patients who are not eligible for high-dose chemotherapy with bone marrow transplant.

DOSAGE & ADMINISTRATION: Adults and Elderly: VELCADE 3.5 mg powder for solution for injection is available for intravenous or subcutaneous administration. VELCADE should not be given by other routes. Intrathecal inistration has resulted in death

administration has resulted in Geam. Intravenous: Reconstituted solution contains 1mg/ml and administered as 3-5 second IV bolus. Subcutaneous: Reconstituted solution contains 2.5mg/ml and is administered SC through thighs or abdomen. Injection sites should be rotated for successive injections. A filess 17 hours should elapse between consecutive doses. Recommended starting dose 1.3mg/m² body surface area.

All reads 12 hours should be proved in Unsecurity does. Houring more standing does 1.5 mg/mill douby surface area. Monotherapy: Like weekly for two weeks followed by a 10-day rest period. When administered as a single agent, treatment should be withheld in the presence of any Grade 3 non-haematological or Grade 4 haematological toxicity, excluding neuropathy. Treatment may be restarted at an approximate 25% does reduction (1.3 mg/m² reduced to 1.0 mg/m²; 1.0 mg/m² reduced to 1.3 mg/m² following resolution of toxicity. The does should be reduced to 1 mg/m² or change treatment should be to 1.3 mg/m² none per week in the presence of Grade 1 with pain or Grade 2 moderate symptoms; limiting instrumental Activities of Daily Living (ADL)

neuropathy.

In the presence of Grade 2 with pain or Grade 3 (severe symptoms: limiting self care ADI.) neuropathy, treatment should be withheld until symptoms of foxicity have resolved. Reinitiate treatment at a dose of 0.7 mg/m² once per wook

Network IGrade 4 (life-threatening consequences; urgent intervention indicated) and /or severe autonomic neuropathy occur, discontinue treatment permanently. Combination therapy: VELCADE is administered in combination with oral melphalan (9mg/m²) and predrisolone (60mg/m²) for nine treatment cycles. A 6-week period is considered a treatment cycle. Refer to SmPC for dose management.

management. When administered in combination with melphalan and prednisolone, treatment should be withheld if either the platelet counts <30 ' 10⁴/1 or ANC <0.75 x 10⁴/1 or a VELCADE dosing day (other than Day 1). Consideration should be given to reducing subsequent doses by 1 dose level (from 1.3 mg/m² to 1 mg/m², or from 1 mg/m² to 0.7 mg/m²) if several doses (≥ 3 doses during twice weekly administration or ≥ 2 doses during weekly administration) are withheld in any one cycle of treatment. Treatment should be withheld

in any one cycle of treatment. Treatment should be withheld until any Scrade 3 non-haematological toxicities have returned to Grade 1 or baseline. Retreatment should be initiated with one dose level reduction. During combination therapy the dose should be held and/or modified in the presence of VELCADE-related neuropathic pain and/or peripheral neuropathy in the same way as monotherapy. **Children:** Not applicable. **Hepatic Impairment:** mild - no dose adjustment; moderate or severe - start on reduced dose of 0.7 mg/m² per injection for first cycle, and then possible increase to 1.0 mg/m² or reduction to 0.5 mg/m² based on tolerability. **Renal Impairment:** See precautions.

CONTRAINDICATIONS: Hypersensitivity to bortezomib, boron or any of the excip Acute diffuse infiltrative pulmonary and pericardial disease.

SPECIAL WARNINGS & PRECAUTIONS: Do not administer intrathecally. Monitor complete blood counts including platelets. Gastrointestinal toxicity is very common monitor closely. Herees zoster virus reactivation: anti-viral SPECULE WARNINGS & PRECIALIONS: Up not administer imparted in which other previous of contraining to be associated with the previous of the administer intervence and requires caster which requires the unclosed of the previous administration. Special care of patients which with the forest of the administer intervence and requires caster when held control on administer of the unclosed of the administration and possible does or schedule does or schedule administration. Special care of patients which with the forest of the administration administration. Special care of patients which with the forest of the administration administration administration and possible does or schedule administration. Administration training used in the second se

SIDE EFFECTS: Very common: thrombocytopenia, neutropenia, anaemia, leukopenia, appetite decreased, peripheral neuropathy, peripheral sensory neuropathy, dysaesthesia, neuralgia, headache, vomiting, diarrhoea, nausea, constipation, abdominal pain (inc gastrointestinal pain), rash, musculoskeletal pain, fatigue, pyrexia, asthenia.

Common: herpes zoster (inc disseminated & ophthalmic) - consider anti-Vral prophylaxis, pneumonia, infection, herpes simplex, fungal infection, lymphopenia, electrolyte imbalance, dehydration, enzyme abnormality, hyper-uricaemia, mood altered, anxiety disorder, sleep disorder, peripheral motor neuropathy, loss of consciousness (inc synope), dizziness, dysgeusia, lehragy, eye swelling, vision abnormal, conjunctivitis, dry eye, vertigo, cardiae failure, tachycardia, hypotension, or nothostatic hypotension, hypertense agricultas, upperformer respiratory tract infection, ough, gastronitestina hapementing, dryspepsia, adoutient, disperse and intervalitis, ador year, oropharyngeal pain, abdominal disconfiort, oral disorder, flaulence, hepatic enzyme abnormality, uriticaria, pruntus, erythema, dermattis, dry skin, muscle spasms, pain in extremity, muscular weakness, trenal impairment, renal failure charcing, cedema (inc peripheral), chills, pain, injection naties, eugerid dicerasori.

Other side effects include: sepsis, herpes virus infection, meningitis (inc bacterial), Epstein-Barr virus infection, neoplasm malignant, leukaemia plasmacytic, mycosis fungoides, neoplasm benign, lymphadenopathy, pancytopenia, Uner side enects include: sepss, help seps, help sens in the early interaction, meming us (nc outcrear), epsent-barl vicus interior), planet mediation planets interior interiori interior interior interiori interior inte pointes, anglia disease, en reinconda landos, ance artes, incontension (in experimenta), privativa, vascuns, pointer and private and incontension, pointer and private and pri

PREGNANCY: Not fully established. Male and female patients of childbearing potential must use effective contraceptive measures during treatment and for 3 months following

LACTATION: Not recommended

INTERACTIONS: Patients should be closely monitored when given bortezomib in combination with potent CYP3A4-inhibitors (e.g. ketoconazole, ritonavir). Concomitant use of bortezomib with strong CYP3A4 inducers (e.g. rifampicin, carbamazepine, phenytoin, phenobarbital and SL. John's Wort), is not recommended. In vitro studies indicate that bortezomib is a weak inhibitor of the cytochrome P450 (CYP) isozymes 1A2, 2C9, 2C19, 2D6 and 3A4. No clinically relevant interaction between melphalan-prednisolone and VELCADE (IV). In clinical trials, hypohyperglycaemia were reported in diabetic patients receiving oral hypoglycaemics.

LEGAL CATEGORY: POM

PRESENTATIONS, PACK SIZES, PRODUCT LICENCE NUMBERS: 1 vial per pack. EU/1/04/274/001.

MARKETING AUTHORISATION HOLDER: JANSSEN-CILAG INTERNATIONAL NV, Turnhoutseweg 30, B-2340 Beerse, Belgium

FURTHER INFORMATION IS AVAILABLE FROM Prescribing information last revised: September 2012

ANY SUSPECTED ADVERSE DRUG REACTIONS CAN BE REPORTED TO:

Medicines Authority Post-Licensing Directorate, 203 Level 3, Rue D'Argens, Gzira GZR1368, Malta, or at http://medicinesauthority.gov.mt/pub/adr.doc

FOR MORE INFORMATION CONTACT: A.M. Mangion Ltd, Mangion Buildings, New Street in Valletta Road, Luqa LQA 6000, Malta Tel. 00 356 2397 6000.

Please refer to Summary of Product Characteristics (SmPC) for further instructions

VEL/MMa/VIS/7/2012/MT33



