



Bortezomib, Lenalidomide and dexAMETHasone (RVD) Therapy- 21 dayⁱ

INDICATIONS FOR USE:

INDICATION	ICD10	Regimen Code	HSE approved reimbursement status*
Treatment of newly diagnosed myeloma in adult patients	C90	00416a	Bortezomib:N/A Lenalidomide:CDS
Treatment of relapsed or refractory myeloma that has received prior therapy in adult patients	C90	00416b	Bortezomib:N/A Lenalidomide:CDS

*This applies to post 2012 indications only

TREATMENT:

The starting dose of the drugs detailed below may be adjusted downward by the prescribing clinician, using their independent medical judgement, to consider each patients individual clinical circumstances.

Bortezomib is administered once weekly on days 1, 8 and 15, dexAMETHasone on days 1, 8 and 15 and lenalidomide on days 1-14 in a 21 day treatment cycle for up to eight treatment cycles or until disease progression or unacceptable toxicity occurs.

	Drug	Dose	Route	Cycle
1, 8 and 15	^{a,} Bortezomib	1.3mg/m ²	^{b,c} SC (abdomen or thigh)	Every 21 days for up to 8 cycles
1-14 inclusive	Lenalidomide	25mg once daily	dPO	Every 21 days for up to 8 cycles
1,8 and 15	dexAMETHasone	40mg once daily	°PO	Every 21 days for up to 8 cycles
	a proteasome inhibitor and is in the Treatment of Cancer Av			Ise of Neurotoxic drugs (including
peripheral or ce should be 1mg/	ntral intravenous catheter foll mL when administered via the	owed by a flush we live the second se	b may be administered as IV bolu with 0.9% NaCl. Note the concent	tration of bortezomib solution
			ngle. Injection sites should be rot solution may be administered SC o	
drowsiness. The capsules sho with or without If less than 12 ho If more than 12	ould not be opened, broken o f ood . ours has elapsed since missing	r chewed. The ca g a dose of lenalic ng a dose at the r	domide, the patient can take the	ole, preferably with water, either
	ne to be taken in the morning			
ote: Administratio	on volumes and fluids have be	en standardised	to facilitate electronic prescribing	g system builds.
-	ortezomib, Lenalidomide one (RVD)Therapy-21 day	Published: 02/ Review: 24/	/05/2017 /02/2030	Version number: 4
mour Group: Pla	asma Cell Disorders de: 00416	IHS Contributo Dr John Quinn	or: Dr Patrick Hayden,	Page 1 of 9

This information is valid only on the day of printing, for any updates please check <u>www.hse.ie/NCCPSACTregimens</u>





ELIGIBILITY:

- Indications as above
- ECOG 0-2
- Patients with pre-existing severe neuropathy should be treated with bortezomib only after careful risk/benefit assessment. Caution should be exercised as further treatment may result in severe prolonged neuropathy.

EXCLUSIONS:

- Hypersensitivity to bortezomib, boron, lenalidomide, dexAMETHasone or any of the excipients
- Acute diffuse infiltrative pulmonary and pericardial disease
- Pregnancy
- Patients who are unable to comply with the conditions of the Lenalidomide Pregnancy Prevention Programme
- Grade \geq 2 peripheral neuropathy
- ANC < 1×10^9 cells/L

PRESCRIPTIVE AUTHORITY:

The treatment plan must be initiated by a Consultant Haematologist working in the area of haematological malignancies.

TESTS:

Baseline tests:

- FBC, renal, liver and bone profile
- Blood pressure, blood glucose if being treated with oral hypoglycaemics
- Assessment of peripheral neuropathy status
- VTE risk assessment
- Urine pregnancy testing or serum hCG test for women of childbearing potential as per Pregnancy Prevention Programme
- Assessment and registration as per Pregnancy Prevention Program for both male and female patients
- Virology screen Hepatitis B* (HBsAg, HBcoreAb), Hepatitis C and HIV *See Regimen Specific Complications re Hepatitis B Reactivation

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 2 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens		



NCCP National SACT Regimen



Regular tests:

- FBC; monitor platelet count at a minimum of day 1 and day 11 each cycle
- Renal, liver and bone profile
- Blood pressure
- Urine pregnancy testing or serum hCG test every 28 days for women of childbearing potential as per Lenalidomide Pregnancy Prevention Programme
- Consider monitoring thyroid function tests
- Blood glucose if being treated with oral hypoglycaemics

Disease monitoring:

Disease monitoring should be in line with the patient's treatment plan and any other test(s) as directed by the supervising Consultant.

DOSE MODIFICATIONS:

- Any dose modification should be discussed with a Consultant.
- Lenalidomide treatment must not be started if the ANC is < 1.0 x 10⁹/L and/or platelets < 75 x 10⁹/L.
- Bortezomib therapy should be withheld when the platelet count is $< 25 \times 10^9$ /L.

Haematological:

Dose Reduction Steps

Dose adjustments, as summarised in Table 1 are recommended to manage grade 3 or 4 thrombocytopenia, neutropenia, or other grade 3 or 4 toxicity judged to be related to lenalidomide.

	Lenalidomide	
Starting dose	25mg	
Dose level -1	20mg	
Dose level -2	15mg	
Dose level -3	10mg	
Dose level -4	5mg	
Dose level -5	Discontinue	

Table 1: Dose reduction steps for Lenalidomide

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4	
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 3 of 9	
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer			
This information is valid only on the day of printing, for any updates please check <u>www.hse.ie/NCCPSACTregimens</u>			





Table 2: Dose Reduction based on Thrombocytopenia

Platelets (x 10 ⁹ /L)	Lenalidomide	Platelets (x 10 ⁹ /L)	Bortezomib
First Fall to < 30	Interrupt lenalidomide therapy	≥25	Maintain full dose
Return to ≥ 30	Resume lenalidomide at dose level -1 once daily		
For each subsequent drop to < 30	Interrupt lenalidomide therapy	<25	Withhold treatment until symptoms of the toxicity have resolved. Treatment may be reinitiated at the next lower dose level. If the toxicity is not resolved or if it recurs at the lowest dose, discontinuation of bortezomib must be considered unless the benefit of treatment clearly outweighs the risk.

Table 3: Dose Modifications for neutropenia

Lenalidomide	ANC (x 10 ⁹ /L)	Bortezomib	
Interrupt lenalidomide therapy;	≥0.5	Maintain full dose	
Resume lenalidomide at starting dose once daily			
Resume lenalidomide at dose level -1			
Interrupt lenalidomide therapy	<0.5	Withhold treatment until symptoms of the toxicity have resolved. Treatment may be	
Resume lenalidomide at next lower dose level once daily. Do not dose below 5mg once daily		reinitiated at the next lower dose level. If the toxicity is not resolved or if it recurs at the lowest dose, discontinuation of bortezomib must be considered unless the benefit of treatment clearly outweighs the risk.	
	Interrupt lenalidomide therapy; Resume lenalidomide at starting dose once daily Resume lenalidomide at dose level -1 Interrupt lenalidomide therapy Resume lenalidomide at next lower dose level once daily. Do not dose below 5mg once	(x 10°/L)Interrupt lenalidomide therapy;≥0.5Resume lenalidomide at starting dose once daily>0.5Resume lenalidomide at dose level -1<0.5	

If the dose of lenalidomide was reduced for a haematological dose limiting toxicity (DLT), the dose of lenalidomide may be re-introduced to the next higher dose level (up to the starting dose) at the discretion of the treating consultant if continued lenalidomide/dexAMETHasone therapy resulted in improved bone marrow function (no DLT for at least 2 consecutive cycles and an ANC > 1.5×10^9 /L with a platelet count > 100×10^9 /L at the beginning of a new cycle at the current dose level).

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 4 of 9

The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer

This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens



NCCP National SACT Regimen



Renal Impairment:

Table 4: Dose modification of Bortezomib and Lenalidomide in Renal Impairment

Drug	Dose modification		
Bortezomib ^a	No dose adjustment is needed.		
	Haemodialysis: No dose adjustmen	t is needed, administer after haemodialysis.	
Lenalidomide ^b	CrCl mL/min Dose modification		
	30 to 50	Reduce dose to 10mg once daily*	
	<30 not requiring dialysis 15mg every other day		
	<30 requiring dialysis Reduce dose to 5mg once daily. On dialysis days,		
		dose should be administered after dialysis.	
*The dose may be	escalated to 15mg once daily after 2	cycles if patient is not responding to treatment and is	
tolerating the treat	tment.	_	
^a Renal dose modifica ^b Renal dose modifica	tions from Giraud et al 2023 tions from SmPC		

Hepatic impairment:

Table 5: Dose modification of Bortezomib and Lenalidomide in Hepatic Impairment

Drug	Grade *	Bilirubin Level	SGOT (AST) levels	Modification of starting dose
Bortezomib ^a	Mild	≤1 x ULN	> ULN	None
		>1 - 1.5 x ULN	Any	None
	Moderate	>1.5 - 3 x ULN	Any	Reduce dose to 0.7mg/m ² in the first treatment
	Severe	> 3 x ULN	Any	cycle. Consider dose escalation to 1mg/m ² or further dose reduction to 0.5mg/m ² in subsequent cycles based on patient tolerability.
Lenalidomide ^b	halidomide ^b No need for dose adjustment is expected.			
^a Dose modifications from SmPC ^b Dose modifications from Giraud et al 2023				

*Based on NCI Organ Dysfunction Working Group classification for categorising hepatic impairment (mild, moderate, severe).

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 5 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens		





Neuropathic pain and/or peripheral neuropathy:

Table 6: Dose modifications for Bortezomib Related Neuropathy

Severity of neuropathy	Dose Modification
Grade 1 with no pain or loss of function	None
Grade 1 with pain or Grade 2	Reduce dose to 1 mg/m ²
Grade 2 with pain or Grade 3	Withhold treatment until symptoms of toxicity have resolved. When toxicity resolves re-initiate treatment and reduce dose to 0.7mg/m ² once every week
Grade 4 and/or severe autonomic neuropathy Discontinue treatment	
Grade 1: Asymptomatic; loss of deep tendon reflexes of Grade 2: Moderate symptoms; limiting instrumental A Grade 3: Severe symptoms; limiting self-care ADL Grade 4: Life-threatening consequences; urgent interve	ctivities of Daily Living (ADL)
Grading based on NCI Common Toxicity Criteria CTCAE	v 4

Dose reductions for other toxicities:

Table 7: Dose Modification of Bortezomib and Lenalidomide for Adverse Events

Drug	Adverse reactions*	Recommended dose modification	
Bortezomib	Grade 3 Non-	Withhold treatment until symptoms of the toxicity have resolved.	
	haematological toxicity	Treatment may be reinitiated at the next lower dose level.	
		If the toxicity is not resolved or if it recurs at the lowest dose,	
		discontinuation of bortezomib must be considered unless the benefit of	
		treatment clearly outweighs the risk.	
	New or worsening	Withhold treatment.	
	pulmonary symptoms	Prompt diagnostic evaluation required and benefit/risk ratio should be	
	(e.g. cough, dyspnoea)	considered prior to continuing bortezomib therapy.	
	Posterior Reversible	Discontinue treatment.	
	Encephalopathy		
	Syndrome (PRES)		
Lenalidomide	Thromboembolic event	Withhold treatment and start standard anticoagulant therapy. Once	
		stabilised on the anticoagulant therapy and complications of	
		thromboembolic event have been managed, lenalidomide treatment may	
		be restarted at the original dose dependant on a benefit/risk assessment.	
		Anticoagulant therapy should be continued during the course of	
		lenalidomide treatment.	
	Skin rash	Withhold treatment and evaluate clinically. If allergic reaction do not	
		resume treatment.	
	Angioedema	Discontinue treatment.	

*Grading based on NCI Common Toxicity Criteria CTCAE v 4.0

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4	
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 6 of 9	
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens			





SUPPORTIVE CARE:

EMETOGENIC POTENTIAL:

• As outlined in NCCP Classification Document for Systemic Anti-Cancer Therapy (SACT) Induced Nausea and Vomiting - <u>Available</u> on the NCCP website

Bortezomib: Low (Refer to local policy)

Lenalidomide: Minimal to Low (Refer to local policy)

For information:

Within NCIS regimens, antiemetics have been standardised by Medical Oncologists and Haemato-oncologists. Information is available in the following documents:

- NCCP Supportive Care Antiemetic Medicines for Inclusion in NCIS (Medical Oncology) <u>Available on the NCCP website</u>
- NCCP Supportive Care Antiemetic Medicines for Inclusion in NCIS (Haemato-oncology) Available on the NCCP website

PREMEDICATIONS: Not usually required. Ensure patient remains well hydrated during treatment.

OTHER SUPPORTIVE CARE:

- In case of neutropenia the consultant may consider the use of growth factors in patient management
- Patients on lenalidomide should be on prophylactic antithrombotic medicines. Aspirin is sufficient in
 patients with no thrombotic risk factors. Patients should be instructed to seek medical care if they
 develop symptoms such as shortness of breath, chest pain, arm or leg swelling. Prophylactic
 antithrombotic medicine options include single agent aspirin, or prophylactic doses of low molecular
 weight heparin (LMWH) or direct oral anti-coagulant (DOAC) (Refer to local policy)
- Both diarrhoea and constipation are common side effects associated with treatment. Patients may require either laxatives or anti-diarrhoeals. Consider use of Cholestyramine 4g OD in patients with lenalidomide-associated diarrhoea.
- Prophylactic laxatives to prevent lenalidomide induced constipation (Refer to local policy)
- Bisphosphonates should be considered in all patients with myeloma related bone disease
- H₂-antagonist or PPI in patients receiving dexamethasone therapy (Refer to local policy)
- Consider PJP prophylaxis (Refer to local policy)
- Tumour Lysis Syndrome prophylaxis (Refer to local policy)
- Low dose antiviral prophylaxis (Refer to local policy)
- Male patients must use condoms during treatment, during dose interruption and for at least 7 days following discontinuation of treatment if their partner is pregnant or is of childbearing potential not using effective contraception. Male patients should not donate semen or sperm during treatment including during dose interruptions) and for at least 7 days following discontinuation of Lenalidomide

ADVERSE EFFECTS:

• Please refer to the relevant Summary of Product Characteristics for details.

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4	
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 7 of 9	
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens			





REGIMEN SPECIFIC COMPLICATIONS:

Bortezomib

• Hepatitis B Reactivation: Patients should be tested for both HBsAg and HBcoreAb as per local policy. If either test is positive, such patients should be treated with anti-viral therapy (Refer to local infectious disease policy). These patients should be considered for assessment by hepatology.

Lenalidomide

This medicinal product is subject to additional monitoring. Healthcare professionals are asked to report any suspected adverse reactions.

DRUG INTERACTIONS:

• Current SmPC and drug interaction databases should be consulted for information.

COMPANY SUPPORT RESOURCES/Useful Links:

Lenalidomide

- Please refer to the HPRA website (<u>www.hpra.ie</u>) for the individual product for list of relevant support resources
- Prescribers are required to read and understand the relevant HCP Information Guide and to adhere to the PPP

REFERENCES:

- Bortezomib, lenalidomide and low dose dexamethasone (VRd) for multiple myeloma Protocol. UpToDate Accessed Apr 2019 .Available at: <u>https://www.uptodate.com/contents/image?imageKey=ONC%2F91054&topicKey=ONC%2F85687&sea</u> <u>rch=bortezomib%20lenalidomide%20dexamethasone&rank=2~13&source=see_link</u>
- 2. Rajkumar S, et al. Multiple myeloma: 2011 update on diagnosis, risk-stratification, and management, Am J Hematol 2011; 86:57
- 3. Rajkumar S, et al. Optimising bortezomib in newly diagnosed multiple myeloma. Lancet Oncol 2010; 11:909-10.
- 4. Richardson PG, Weller E et al. Lenalidomide, bortezomib, and dexamethasone combination therapy in patients with newly diagnosed multiple myeloma. Blood 2010;116:679-686
- Kumar S, Flinn I et al. Randomized, multicenter, phase 2 study (EVOLUTION) of combinations of bortezomib, dexamethasone, cyclophosphamide, and lenalidomide in previously untreated multiple myeloma. Blood 2012;119:4375-4382
- 6. Richardson PG, Weller E et al. Multicenter, phase I, dose-escalation trial of lenalidomide plus bortezomib for relapsed and relapsed/refractory multiple myeloma. J Clin Oncol. 2009;27(34):5713-9.
- 7. Moreau P, Coiteux V, Hulin C, et al. Prospective Comparison of subcutaneous versus intravenous administration of bortezomib in patients with multiple myeloma. Haematologica 2008;93:1908-11.
- 8. Chanan-Kahn, Analysis of Herpes zoster events among bortezomib-treated patients. J Clin Oncol 2008;26:4784-90
- 9. Harousseau, JL, Attal M, Avet-Loiseau, Het al. Bortezomib plus dexamethasone is superior to vincristine plus doxorubicin plus dexamethasone as induction treatment prior to autologous stem-cell

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4	
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 8 of 9	
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted			

The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at <u>http://www.hse.ie/eng/Disclaimer</u>

This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens



NCCP National SACT Regimen



transplantation in newly diagnosed multiple myeloma: results of the IFM 2005-01 phase III trial. J Clin Oncol 2010;28(30):4621-9.

- 10. Moreau P, Pylypenko H, Grosicki S, et al. Subcutaneous versus intravenous administration of bortezomib in patients with relapsed multiple myeloma: a randomized, phase 3, non-inferiority study. Lancet Oncol. 2011;12(5):431-40.
- 11. Moreau P et al. Bortezomib plus dexamethasone versus reduced-dose bortezomib, thalidomide plus dexamethasone as induction treatment before autologous stem cell transplantation in newly diagnosed multiple myeloma. Blood 24 2011;118(22): 5751-5758.
- 12. Giraud E L, Lijster B D, et al. Dose recommendations for anticancer drugs in patients with renal or hepatic impairment: an update. Available at:

https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(23)00216-4/fulltext

- 13. NCCP Classification Document for Systemic Anti-Cancer Therapy (SACT) Induced Nausea and Vomiting. V5 2023. Available at: <u>https://www.hse.ie/eng/services/list/5/cancer/profinfo/chemoprotocols/nccp-classification-document-for-systemic-anti-cancer-therapy-sact-induced-nausea-and-vomiting.pdf</u>
- 14. Lenalidomide (Revlimid[®]) Summary of Product Characteristics. Last updated: 08/01/2024. Accessed December 2024. Available at: <u>https://www.ema.europa.eu/en/documents/product-information/revlimid-epar-product-information_en.pdf</u>
- 15. Bortezomib (VELCADE[®]) Summary of Product Characteristics. Last updated: 16/10/2024. Accessed December 2024. Available at: <u>https://www.ema.europa.eu/en/documents/product-information/velcade-epar-product-information_en.pdf</u>

Version	Date	Amendment	Approved By
1	05/04/2017		Dr Patrick Hayden
_			Dr John Quinn
2	19/06/2019	Updated recommendation on Hep B reactivation and	Dr Patrick Hayden
2	19/00/2019	supportive care	Dr John Quinn
3	01/11/2021	Reviewed. Amended treatment table. Updated exclusion criteria. Updated emetogenic potential and adverse effects.	Dr Patrick Hayden Dr John Quinn
За	13/02/2024	Updated company support resources/ useful links section in line with NCCP standardisation.	NCCP
4	24/02/2025	Updated wording in indications. Updated exclusions section. Updated baseline tests section. Updated Tables 2, 3 and 6 and 7. Updated renal and hepatic dose modifications tables. Updated supportive care section. Updated regimen in line with NCCP standardisation.	Dr Patrick Hayden

Comments and feedback welcome at oncologydrugs@cancercontrol.ie.

ⁱ This is an unlicensed indication for the use of bortezomib[®] in Ireland. Patient's should be informed of this and consented to treatment in line with the hospital's policy on the use of unlicensed medication and unlicensed or "off label" indications. Prescribers should be fully aware of their responsibility in communicating any relevant information to the patient and also ensuring that the unlicensed or "off label" indication has been acknowledged by the hospital's Drugs and Therapeutics Committee, or equivalent, in line with hospital policy

NCCP Regimen: Bortezomib, Lenalidomide and dexAMETHasone (RVD)Therapy-21 day	Published: 02/05/2017 Review: 24/02/2030	Version number: 4	
Tumour Group: Plasma Cell Disorders NCCP Regimen Code: 00416	IHS Contributor: Dr Patrick Hayden, Dr John Quinn	Page 9 of 9	
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibly of the prescribing clinician. and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens			