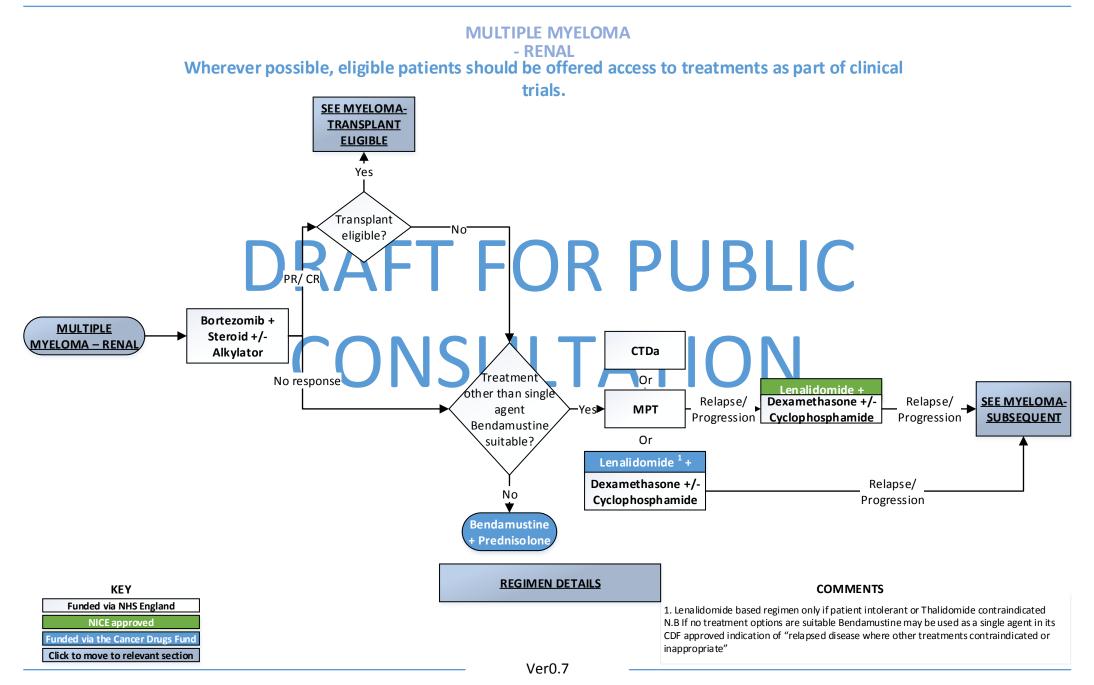
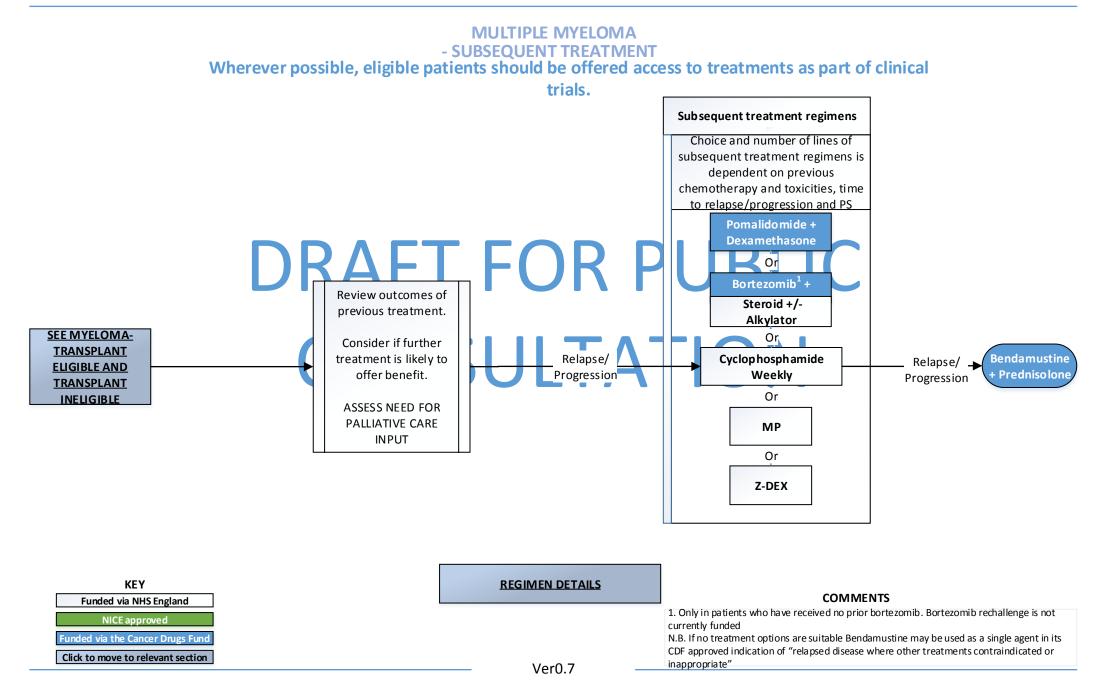


COMMENTS

KEY Funded via NHS England	REGIMEN DETAILS	1. NICE TA228 allows a bortezomib based regimen where thalidomide would normally be offered but cannot be taken because of side effects or other reasons.
NICE approved Funded via the Cancer Drugs Fund		 Only if patient has not previously progressed on or shortly after receveiving lenalidomide, otherwise proceed to next treatment. Do not use VTDPACE in patients who have failed to respond to bortezomib within the previous 6 months.
Click to move to relevant section	Ver0.7	

is required





REGIMEN	DAYS	DRUGS	DOSE	ROUTE	CYCLE FREQUENCY	NUMBER OF CYCLES
Bendamustine	1 + 2	Bendamustine	60 - 100mg/m ²	IV	28 days	Up to 6 cycles
Denuariustine	1 to 4 incl	Prednisolone	60mg/m ² once daily	РО	zo udys	op to o cycles
	1, 4, 8 + 11	Bortezomib	1.3mg/m ²	IV/SC		Review after 2 and 4 cycles. Continue to a
Bortezomib	1 +2, 4+5, 8+9 and 11 + 12	Dexamethasone	20mg once daily	PO	21 days	max. of 8 treatment cycles if partial response after 4 cycles
	1, 4, 8 + 11	Bortezomib	1.3mg/m ²	IV/SC		
Bortezomib + Thalidomide + Dexamethasone	1 to 28 incl	Thalidomide	50 - 200mg once daily (50 mg daily on days 1-14, cycle 1 and if tolerated increased to 100 mg on days 15-28,. May be increased to 200 mg daily from cycle 2)	PO	28 days	Continue to a max. of 6 treatment cycles if partial response after 4 cycles
	1 to 4 and 8 to 11 incl	Dexamethasone	40mg once daily	PO		
	1, 8 + 15	Cyclophosphamide	500mg stat	РО		
CTD	1 to 21	Thalidomide	50 - 200mg once daily	PO 21 days Contin	Continue to plateau + 2 cycles	
	1 to 4 and 12 to 15	Dexamethasone	40mg once daily	РО		

REGIMEN	DAYS	DRUGS	DOSE	ROUTE	CYCLE FREQUENCY	NUMBER OF CYCLES
	1, 8, 15 + 22	Cyclophosphamide	500mg stat	РО		
CTDa	1 to 28	Thalidomide	50 - 200mg once daily	РО	28 days	Continue to plateau + 2 cycles
	1 to 4 and 15 to 18	Dexamethasone	20mg once daily	РО		
Cyclophosphamide Weekly	1, 8, 15 + 22	Cyclophosphamide	500mg stat	PO	28 days	Continue until disease relapse or progression
Dexamethasone	1 to 4	Dexamethasone	40mg once daily	PO	14 days until response, then every 28 days	Usually for 4-6 cycles
		Cisplatin	10mg/m²/day	IV		
		Dexamethasone	40mg once daily	РО		
	1 to 4	Etoposide	40mg/m²/day	IV		
DT-PACE		Cyclophosphamide	400mg/m²/day	IV	Every 4 to 6 weeks	Usually for 2-4 cycles
		Doxorubicin	10mg/m²/day	IV		
	Continuously	Thalidomide	Start 50 mg and increase up to 100 mg as tolerated	PO		

REGIMEN	DAYS	DRUGS	DOSE	ROUTE	CYCLE FREQUENCY	NUMBER OF CYCLES
MP	1 to 4	Melphalan	Up to 9mg/m ² once daily	РО	28 days	Usually for 4-6
IVIP	1 to 4	Prednisolone	40mg once daily	РО	20 uays	cycles
	1 to 7	Melphalan	Up to 7mg/m ² once daily	РО		
МРТ	1 to 7	Prednisolone	40mg/m ² once daily	РО	28 days	Continue to plateau + 2 cycles
	1 to 28	Thalidomide	Escalate to 200mg once daily	РО		
	All Cycles: Days 1 to 21	Lenalidomide	25mg once daily (reduce in renal impairment)	РО		
Lenalidomide	Cycles 1 to 4: Days 1- 4, 9-12 + 17-20	Dexamethasone	40mg once daily	РО	28 days	Continue until disease relapse or progression
	Cycles 5 onwards: Days 1-4	Dexamethasone	40mg once daily	PO		progression
	All Cycles: Days 1 to 21	Lenalidomide	25mg once daily (reduce in renal impairment)	РО		
Lenalidomide + Cyclophosphamide	Cycles 1 to 4: Days 1- 4, 9-12 + 17-20	Dexamethasone	40mg once daily	РО	20 dava	Continue until
	Cycles 5 onwards: Days 1-4	Dexamethasone	40mg once daily	РО	28 days	disease relapse or progression
	All Cycles: Days 1 + 8	Cyclophosphamide	500mg stat	РО		

REGIMEN	DAYS	DRUGS	DOSE	ROUTE	CYCLE FREQUENCY	NUMBER OF CYCLES
	1, 4, 8 + 11	Bortezomib	1.3mg/m ²	IV/SC		/s Continue to plateau + 2 cycles
PAD	1 to 4	Doxorubicin	36mg/m ² over 4 days	IV	21 days	
	1 to 4	Dexamethasone	40mg once daily	PO		cycles
Pomalidomide	1 to 21	Pomalidomide	4mg	PO	28 days	Continue until disease
	1, 8, 15 + 22	Dexamethasone	40mg once daily	PO	20 00 y 3	relapse or progression
	1 to 21 incl	Thalidomide	100mg-200mg once daily	РО		
TIDE	1 to 4 incl	Idarubicin	10mg/m ² once daily	РО	28 Usually fo	Usually for 2 - 4 cycles
	1 to 4 incl	Dexamethasone	20-40mg once daily	PO		
	1 to 4 incl	Etoposide	50mg/m ² twice daily	РО		
	1, 4, 8 + 11	Bortezomib	1.3mg/m ²	IV/SC	21 days	Review after 2 and 4
VCD	1 +2, 4+5, 8+9 and 11 + 12	Dexamethasone	20mg once daily	РО		cycles. Continue to a max. of 8 treatment
	1, 8 + 15	Cyclophosphamide	500mg stat	РО		cycles if partial remission after 4 cycles
	1, 8, 15 + 22	Bortezomib	1.3mg/m ²	IV/SC		Review after 2 and 4
VCD weekly	1 +2, 8 + 9, 15 + 16 and 22 + 23	Dexamethasone	20mg once daily	РО	35 days	cycles. Continue to a max. of 8 treatment cycles if partial
	1, 8 + 15	Cyclophosphamide	500mg stat	РО		remission after 4 cycles

REGIMEN	DAYS	DRUGS	DOSE	ROUTE	CYCLE FREQUENCY	NUMBER OF CYCLES	
	Cycles 1 to 4: Day 1, 4, 8, 11, 22, 25, 29 and 32	Bortezomib	1.3mg/m ²	IV/SC		Review after 2 and 4	
VMP	Cycles 5 to 9: Days 1, 8, 29 and 32	Bortezomib	1.3mg/m ²	IV/SC	42 days	cycles. Continue to a max. of 8 treatment	
	All cycles: Days 1 to 4	Melphalan	9mg/m ²	РО		cycles if partial remission after 4 cycles	
	All cycles: Days 1 to 4	Prednisolone	60mg/m ²	РО			
	1, 4, 8 and 11	Bortezomib	1.0 mg/m ²	IV/SC			
	Continuously	Thalidomide	Start 50 mg and increase up to 100 mg as tolerated	РО			
VTD-PACE		Dexamethasone	40mg once daily	РО	_ Every 4-6 weeks	Every 4-6 weeks Usually for 2-4 cy	Usually for 2-4 cycles
		Cisplatin	10mg/m²/day	IV			
	1 to 4	Doxorubicin	10mg/m²/day	IV			
		Cyclophosphamide	400mg/m²/day	IV			
		Etoposide	40mg/m²/day	IV			
	All cycles: Days 1 to 4	Idarubicin	10mg/m²/day	РО			
Z-DEX	DEX Cycle 1: Days 1 to 4, Dexam	Dexamethasone	40mg once daily	РО	21 days	Usually for 4-6 cycles	
	Cycles 2 on: Days 1 to 4	Dexamethasone	40mg once daily	РО			

Title	Algorithms. Multiple Myeloma
Author(s)	David Thomson
Owner	Chemotherapy Clinical Reference Group

Version Control		
Version/Draft	Date	Revision Summary
ver0.1	19-Sep-13	
ver0.2	01-Nov-13	Various comments from Area Team Cancer Pharmacists (ATCP)
ver0.3	04-Dec-13	Various comments from A Penicket and C Polwart
ver0.4	29-Jan-14	Add bortezomib rechallenge to Myeloma-1. A Penicket comments
ver0.5	27-Aug-14	Stakeholder consultation comments incorporated.
ver0.6	22-Sep-14	Further changes incoprorated
ver0.7	15-Jan-15	Changes following Dec-14 CDF review incorporated

Contributors to current version		
Contributor	Author/ Editor	Section/ Contribution
A Penicket/C	D Thomson	Removal of hortozomik rachallango as a CDE funded treatment ention
Polwart	D Thomson	Removal of bortezomib rechallenge as a CDF funded treatment option