

Rotacode: HROTA 427

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Written by: Simran Dhadha

Checked by (Pharmacist)

Authorised by: Consultant: Tracey Chan

Clinical Nurse Specialist: Elena Tejaro

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Reference: Kyprolis SMPC and NCCP Regimen

University Hospitals Birmingham

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MRN:

Ward/Unit:

Name:

DOB: Consultant:

Address:

NHS No:

Hb

WBC

Plt

Neuts

Na+

K+

Urea

Cr

GFR

Ca

Alb

ALP

ALT

Bili

TSH

T4

Cortisol

Weight

BSA

Date

Allergies:

Nature of allergy:

Recorded by

Date

Funding status: Blueeq required

Emetogenic potential: weakly to moderately emetogenic

Extravasation classification: non-irritant

Cycle number:

Carfilzomib, Dexamethasone and Lenalidomide (cycles 13-18) for Myeloma

Indication: Myeloma. In patients that have had only one previous therapy, which included bortezomib

To be given every 28 days until disease progression or unacceptable toxicity or until Cycle 18. If a patient continues to respond after completing 18 cycles they can continue on treatment with lenalidomide plus dexamethasone.

DAY NO. DATE	DRUG or ELECTROLYTE	CALCULATION	DOSE	I.V. FLUID	VOLUME (ml)	Route/ FLOW RATE	SPECIAL DIRECTIONS	DRUG ADMINISTRATION sig. sig.	TIME	Pharm
1	Dexamethasone		40mg*	PO STAT			30 mins before carfilzomib			
	CARFILZOMIB	56mg/m ²		5% Glucose	100ml	Over 30 mins				Max 123mg
			Max 123mg							
15	LENALIDOMIDE	mg	PO OD for 21 DAYS						PAF☐
	Dexamethasone		40mg*	PO STAT			30 mins before carfilzomib			
	CARFILZOMIB	56mg/m ²		5% Glucose	100ml	Over 30 mins				Max 123mg
			Max 123mg							

Prescriber sig:

Date:

Chemo nurse sig:

Date:

Pharmacist clinical sig:

Date:

University Hospitals Birmingham: Queen Elizabeth Hospital Birmingham, Mindelsohn Way Edgbaston, Birmingham B15 2GW

Carfilzomib, Dexamethasone and Lenalidomide (cycles 13-18) for Myeloma

MRN: _____ Ward/Unit: _____
Name: _____
DOB: Consultant: _____
Address: _____
NHS No: _____

Proceed rules for Day 1 and 15: Bloods valid for 7 days

Lenalidomide		Carfilzomib	
Neutrophils	Falls to $<1.0 \times 10^9/L$ For each subsequent drop to $<1.0 \times 10^9/L$	Falls to $<0.5 \times 10^9/L$ For each subsequent drop to $<0.5 \times 10^9/L$ Febrile neutropenia, ANC $<0.5 \times 10^9/L$ and temperature $>38.5^{\circ}C$	Hold dose and resume at same dose when ANC >0.5 Hold dose and resume when ANC >0.5 and consider 1 dose level reduction Hold dose and resume at same dose when ANC >0.5 and fever resolves.
Platelets ($10^9/L$)	Falls to <30 For each subsequent drop to <30	<10 or evidence of bleeding For each subsequent drop <10 or evidence of bleeding	Hold dose until >10 and/or bleeding controlled then restart at same dose level Hold until platelet >10 and/or bleeding controlled, consider restarting at 1 dose level reduction
Renal	Creatinine Clearance (ml/min) >50 30-50 <30 not requiring dialysis <30 requiring dialysis	Dose modification Full dose Reduce dose to 10mg once a day 15mg every other day Reduce dose to 5mg once a day	If serum creatinine $\geq 2 \times$ baseline Or Creatinine clearance is $<15ml/min$ Or Creatinine clearance decreases to $\leq 50\%$ of baseline Or There is a need for dialysis
Hepatic	Lenalidomide has not been formally studied in patients with hepatic impairment and there are no specific dose recommendations		
Non-Haematological toxicity	All other grade 3 or 4 non-Haematological toxicities (e.g. Dyspnoea, cardiac events)- stop Carfilzomib until resolved or returned to baseline. Consider restarting at 1 dose level reduction		
Prescriber sig:	Date:	Chemo nurse sig:	Date:
University Hospitals Birmingham: Queen Elizabeth Hospital Birmingham, Mindelsohn Way Edgbaston, Birmingham B15 2GW		Pharmacist clinical sig:	Date:

Carfilzomib, Dexamethasone and Lenalidomide (cycles 13-18) for Myeloma

MRN:

Ward/Unit:

Name:

DOB: Consultant:

Address:

NHS No:

Dose Level reductions for Carfilzomib and Lenalidomide

	Carfilzomib	Lenalidomide
Starting Dose	56mg/m ²	25mg
Dose level -1	45mg/m ²	20mg
Dose level -2	36mg/m ²	15mg
Dose level -3	27mg/m ²	10mg
Dose level -4	Discontinue	5mg
Dose level -5		2.5mg

Medications to be prescribed on PICs	
Anti-emetics	Supportive medication
Metoclopramide 10mg TDS PRN	Dexamethasone 40mg* to be taken on day 8 and 22. Adcal D3 chewable tablets- 1 tablet BD Apixaban 2.5mg BD Aciclovir 400mg BD Co-trimoxazole 480mg BD MWF Lansoprazole 30mg OD
Other information	

*Option to reduce dexamethasone to 20mg if required.

The Pregnancy Prevention Programme should be complied with, and a Prescription Authorisation Form (PAF) must be completed for every supply of Lenalidomide.

For patients on dialysis, the dose should be administered after the dialysis procedure.

Adequate hydration is required in patients at high risk of tumour lysis syndrome or renal toxicity. All patients should be monitored for evidence of volume overload and fluid requirements should be tailored to individual patient needs. The total volume of fluids may be adjusted as clinically indicated in patients with baseline cardiac failure or who are at risk of cardiac failure. The risk of cardiac failure is increased in elderly patients (≥ 75 years). The risk of cardiac failure is also increased in Asian patients. Advise patients to report an increase in breathlessness when switching to an increased dose.

Evaluate dyspnoea to exclude cardiopulmonary conditions including cardiac failure and pulmonary syndromes. Stop Carfilzomib for grade 3 and 4 dyspnoea until resolved or returned to baseline and consider whether to restart Carfilzomib based on a benefit/risk assessment

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