

Dose Modifications

Haematological Toxicity:

Cycle 1: If neutrophils < 0.5 x 10⁹/L or platelets < 25 x 10⁹/L, do not start treatment.

At weekly FBC for 1st 8 weeks, and before subsequent cycles:

FBC	Action
Neutrophils < 0.5 x 10 ⁹ /l and / or Platelets < 25 x 10 ⁹ /l	Interrupt lenalidomide treatment
Neutrophils return to ≥ 0.5 x 10 ⁹ /l and Platelets return to ≥ 25 x 10 ⁹ /l - < 50 x 10 ⁹ /l on at least 2 occasions for ≥ 7 days <i>or</i> Platelet count recovers to ≥ 50 x 10 ⁹ /l at any time	Resume lenalidomide at next lower dose level – see below

Dose reduction steps

Starting Dose	10 mg once daily on days 1-21 every 28 days	5 mg once daily on days 1-21 every 28 days	2.5 mg once daily* on days 1-21 every 28 days
Dose Level -1	5 mg once daily on days 1-28 of 28 day cycle	2.5mg once daily* on Days 1-28 of 28 day cycle	2.5mg on alternate days on Days 1-28 of 28 day cycle
Dose Level -2	2.5 mg once daily* on Day 1-28 of 28 day cycle	2.5mg on alternate days on Days 1-28	2.5mg twice weekly on Days 1-28 of 28 day cycle
Dose Level -3	2.5 mg on alternate days on Days 1-28	-	-

*or lenalidomide 5mg on alternate days may be considered (*unlicensed scheduling, but a significantly cheaper option if preferred by patient or clinician*)

Other Toxicities:

For other grade 3 or 4 toxicities judged to be related to lenalidomide, stop treatment and, if appropriate to continue, restart at next lower dose level when toxicity has resolved to ≤ grade 2.

Lenalidomide interruption or discontinuation should be considered for grade 2 or 3 skin rash. Lenalidomide must be permanently discontinued for angioedema, grade 4 rash, exfoliative or bullous rash, or if Stevens-Johnson syndrome or toxic epidermal necrolysis is suspected.

Renal Impairment:

CrCl (ml/min)	Lenalidomide Dose
30 - 49	5mg once daily for 21 days
< 30 (whether requiring dialysis or not)	2.5mg once daily for 21 days

Hepatic Impairment:

Lenalidomide has not formally been studied in patients with impaired hepatic function and there are no specific dose recommendations.

Consider the possibility of lenalidomide-induced liver injury in patients with unexplained deterioration of liver function. If associated, liver function generally recovers when lenalidomide is stopped.

Patient Information:

No Macmillan leaflet currently for Lenalidomide in MDS

Reason for Update: CDF indication removed; FOC supply after 26 cycles added	Approved by Chair of Alliance TSSG: Dr A Laurie
Version: 4	Date: 8.11.16
Supersedes: Version 3	Review Date: Nov 2019
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