LENALIDOMIDE for MDS

This protocol must be used in conjunction with the Celgene Pregnancy Prevention Programme

INDICATION: Transfusion dependent anaemia due to low or intermediate-1 risk myelodysplastic syndrome (MDS), associated with a deletion 5q cytogenetic abnormality, with or without other cytogenetic abnormalities, when other therapeutic options are insufficient or inadequate.

Prior to a course of treatment

• Patient must be counseled about the risk of birth defects with fetal exposure. See Celgene Pregnancy Prevention Programme.Prescription must be accompanied by a completed prescription authorization form.

- Contraindicated in patients who are hypersensitive to lenalidomide or to thalidomide.
- Contraindicated in breast feeding women.
- Note whether lenalidomide causes infertility is unknown-offer semen cryopreservation to males.
- Check FBC every week for the first 8 weeks, then monthly
- Check LFTs every week for the first 8 weeks, then monthly
- Check U and Es every month
- A pregnancy test is required every month for women of child bearing potential
- Written consent for course

Prior to each dose

- Medical review of fitness for chemotherapy exclude active infection, major changes in organ function
- Check FBC, U&Es, creat, LFTs neuts must be >0.5 and plats > 25 see dose modifications

Dose: 28 day cycle with lenalidomide 10mg daily taken on days 1-21, followed by a 7 day rest.

Treatment to be continued if tolerated and the patient is responding

Patients without at least a minor erythroid response within 4 months of therapy initiation, demonstrated by at least a 50% reduction in transfusion requirements or, if not transfused, a 1g/dl rise in haemoglobin, should discontinue lenalidomide treatment.

Prophylaxis for emesis is not required.

Other medications:

Allopurinol for the first four weeks, with the dose adjusted to renal function Consider thromboprophylaxis, in the absence of specific contraindication Laxative as required for lenalidomide induced constipation

LSCCN HAEMATOLOGY PROTOCOLS

	haematological toxicities	
Neutrophils <0.5x10 [°] /l a	nd/or platelets <25x10 ⁹ /l	Interrupt lenalidomide treatment
Neutrophils return to 0.5	5x10 ⁹ /l <u>and</u>	
Platelets return to >25x occasions for >7days	10 ⁹ /l <50x10 ⁹ /l on at least 2	Resume lenalidomide at next lower level - see below
	<u>OR</u>	
Platelet count recovers	to >50x10 ⁹	
Dose modification for Interrupt lenalidomide tr resolved to ≤ grade 2 at	eatment for other grade 3 or 4	toxicities. Restart at lower dose level when toxicity has
Consider interruption or	discontinuation for grade 2 or	3 skin rash.
Discontinue for angioed necrolysis is suspected Dose reductions steps	and do not resume.	n or if Stevens-Johnson syndrome or toxic epidermal
Starting dose		10mg once daily on days 1-21 every 28 days
Dose level -1		5mg once daily on days 1-28 of 28 day cycle
Dose level -2		2.5mg once daily on day 1-28 of 28 day cycle
Dose level -3		2.5mg on alternate days on days 1-28
Dose modification for	impaired renal function	
<u>CrCl (ml/min)</u>		Lenalidomide starting dose
30-49		5mg once daily for 21 days
<30		2.5mg once daily for 21 days
Dose modification for	liver dysfunction	
Limited data – clinical d	ecision	
Toxicities		
treatment, and within 3 da	ays of each prescription. Pregnand	have negative pregnancy test within 3 days prior to starting cy testing should be repeated monthly thereafter until one month thinks she may be pregnant she must stop the drug immediately.
Myelosuppression		
Muscle cramps		
Constipation/diarrhea		
Rash		
Increased risk of thrombo	embolic events	
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