

Dose Modification Guidelines for Lenalidomide in MDS With del(5q)

Recommended Starting Dose: 10 mg daily

Neutrophil Counts

If neutropenia develops WITHIN 4 weeks of starting treatment

If baseline ANC \geq 1,000/ μ L	
Absolute Neutrophil Count	Recommended Course
Fall to $<$ 750/ μ L	Interrupt lenalidomide treatment
Return to \geq 1,000/ μ L	Resume lenalidomide at 5 mg daily
If baseline ANC \leq 1,000/ μ L	
Absolute Neutrophil Count	Recommended Course
Fall to $<$ 500/ μ L	Interrupt lenalidomide treatment
Return to \geq 500/ μ L	Resume lenalidomide at 5 mg daily

If neutropenia develops AFTER 4 weeks of starting treatment

Absolute Neutrophil Count	Recommended Course
$<$ 500/ μ L for \geq 7 days or $<$ 500/ μ L associated with fever (\geq 38.5°C)	Interrupt lenalidomide treatment
Return to \geq 500/ μ L	Resume lenalidomide at 5 mg daily

If neutropenia develops during treatment at 5 mg daily

Absolute Neutrophil Count	Recommended Course
$<$ 500/ μ L for \geq 7 days or $<$ 500/ μ L associated with fever (\geq 38.5°C)	Interrupt lenalidomide treatment
Return to \geq 500/ μ L	Resume lenalidomide at 5 mg every other day

Platelet Counts

If thrombocytopenia develops WITHIN 4 weeks of starting treatment

If baseline \geq 100,000/ μ L	
Platelets	Recommended Course
Fall to $<$ 50,000/ μ L	Interrupt lenalidomide treatment
Return to \geq 50,000/ μ L	Resume lenalidomide at 5 mg daily
If baseline $<$ 100,000/ μ L	
Platelets	Recommended Course
Fall to 50% of the baseline value	Interrupt lenalidomide treatment
If baseline \geq 60,000/ μ L and returns to \geq 50,000/ μ L	Resume lenalidomide at 5 mg daily
If baseline $<$ 60,000/ μ L and returns to \geq 30,000/ μ L	Resume lenalidomide at 5 mg daily

If thrombocytopenia develops AFTER 4 weeks of starting treatment

Platelets	Recommended Course
$<$ 30,000/ μ L or $<$ 50,000/ μ L and platelet transfusions	Interrupt lenalidomide treatment
Return to \geq 30,000/ μ L (without hemostatic failure)	Resume lenalidomide at 5 mg daily

If thrombocytopenia develops during treatment at 5 mg daily

Platelets	Recommended Course
$<$ 30,000/ μ L or $<$ 50,000/ μ L and platelet transfusions	Interrupt lenalidomide treatment
Return to \geq 30,000/ μ L (without hemostatic failure)	Resume lenalidomide at 5 mg every other day