

**FREQUENCY OF MONITORING BASED ON STAGE OF THERAPY
OR RESULTS FROM WBC COUNT AND ANC MONITORING TESTS**

SITUATION	HEMATOLOGICAL VALUES FOR MONITORING	FREQUENCY OF WBC AND ANC MONITORING
Initiation of therapy	WBC $\geq 3500/\text{mm}^3$ ANC $\geq 2000/\text{mm}^3$ *	Weekly for 6 months
6 months – 12 months of therapy	All results for WBC $\geq 3500/\text{mm}^3$ and ANC $\geq 2000/\text{mm}^3$	Every 2 weeks for 6 months
12 months of therapy Immature forms present	All results for WBC $\geq 3500/\text{mm}^3$ and ANC $\geq 2000/\text{mm}^3$ N/A	Every 4 weeks indefinitely Repeat WBC and ANC
Discontinuation of therapy	N/A	Weekly for at least 4 weeks from day of discontinuation or until WBC $\geq 3500/\text{mm}^3$ and ANC $\geq 2000/\text{mm}^3$
Substantial drop in WBC or ANC	Single drop or cumulative drop within 3 weeks of WBC $\geq 3000/\text{mm}^3$ or ANC $\geq 1500/\text{mm}^3$	1. Repeat WBC and ANC 2. If repeat values are $3000/\text{mm}^3 \leq \text{WBC} \leq 3500/\text{mm}^3$ and $\text{ANC} > 2000/\text{mm}^3$, then monitor twice weekly
Mild leukopenia Mild granulocytopenia	$3500/\text{mm}^3 > \text{WBC} \geq 3000/\text{mm}^3$ and/or $2000/\text{mm}^3 > \text{ANC} \geq 1500/\text{mm}^3$	Twice weekly until WBC $> 3500/\text{mm}^3$ and ANC $> 2000/\text{mm}^3$ then return to previous monitoring frequency
Moderate leukopenia Moderate granulocytopenia	$3000/\text{mm}^3 > \text{WBC} \geq 2000/\text{mm}^3$ and/or $1500/\text{mm}^3 > \text{ANC} \geq 1000/\text{mm}^3$	1. Interrupt therapy 2. Daily until WBC $> 3000/\text{mm}^3$ and ANC $> 1500/\text{mm}^3$ 3. Twice weekly until WBC $> 3500/\text{mm}^3$ and ANC $> 2000/\text{mm}^3$ 4. May rechallenge when WBC $> 3500/\text{mm}^3$ and ANC $> 2000/\text{mm}^3$ 5. If rechallenged, monitor weekly for 1 year before returning to the usual monitoring schedule of every 2 weeks for 6 months and then every 4 weeks ad infinitum
Severe leukopenia Severe granulocytopenia	WBC $< 2000/\text{mm}^3$ and/or ANC $< 1000/\text{mm}^3$	1. Discontinue treatment and do not rechallenge patient 2. Monitor until normal and for at least 4 weeks from day of discontinuation as follows: • Daily until WBC $> 3000/\text{mm}^3$ and ANC $> 1500/\text{mm}^3$ • Twice weekly until WBC $> 3500/\text{mm}^3$ and ANC $> 2000/\text{mm}^3$ • Weekly after WBC $> 3500/\text{mm}^3$
Agranulocytosis	ANC $\leq 500/\text{mm}^3$	1. Discontinue treatment and do not rechallenge patient 2. Monitor until normal and for at least 4 weeks from day of discontinuation as follows: • Daily until WBC $> 3000/\text{mm}^3$ and ANC $> 1500/\text{mm}^3$ • Twice weekly until WBC $> 3500/\text{mm}^3$ and ANC $> 2000/\text{mm}^3$ • Weekly after WBC $> 3500/\text{mm}^3$

*Note: Do not initiate in patients with 1) history of myeloproliferative disorder or 2) clozapine-induced agranulocytosis or granulocytopenia.