

Dose modifications for haematological toxicity

Neutrophils <0.5 and/or platelet counts <10

Treatment with nilotinib must be interrupted and blood count monitored.

Treatment must be resumed within 2 weeks at prior dose if neuts >1.0 x 10⁹/l and/or platelets >20 x 10⁹/l.

If blood counts remain low, a dose reduction to 400 mg once daily may be required.

Dose modifications for non-haematological toxicity

If clinically significant moderate or severe non-haematological toxicity develops, dosing should be interrupted, and may be resumed at 400 mg once daily once the toxicity has resolved. If clinically appropriate, re-escalation of the dose to the starting dose of 400 mg twice daily should be considered.

Elevated serum lipase: For Grade 3-4 serum lipase elevations, doses should be reduced to 400 mg once daily or interrupted. Serum lipase levels should be tested monthly or as clinically indicated

Elevated bilirubin and hepatic transaminases: For Grade 3-4 bilirubin and hepatic transaminase elevations, doses should be reduced to 400 mg once daily or interrupted. Bilirubin and hepatic transaminases levels should be tested monthly or as clinically indicated

Nilotinib toxicities

Neutropenia (14%)	Anaemia
Thrombocytopenia (21%)	
Nausea (~1%)	Fatigue (~1.5%)
Rash (~3%)	Liver dysfunction (Hyperbilirubinemia 4.1% raised ALT 2.1%; raised AST- 0.8%)
Headache (2%)	Diarrhoea
Hyperamylasemia (0.8%)	Hypertension
Cardiac: angina, arrhythmias, palpitations	Hyperlipasemia (6.5%) Hyperglycemia- 0.8%)

(% from ENACT Trial selected 1st Grade 3-4 AEs)

Written by	Dr M Punekar, Consultant Haematologist
Date	July 2013
Review date	July 2015