

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Kantarjian H, Shah NP, Hochhaus A, et al. Dasatinib versus imatinib in newly diagnosed chronic-phase chronic myeloid leukemia. *N Engl J Med* 2010;362:2260-70. DOI: 10.1056/NEJMoa1002315.

Supplemental Table 1. Criteria for dose modifications and treatment interruptions	
	Criteria (Any)
<p>- Treatment interruption</p> <p>- Dasatinib dose reduction stepwise to 80 mg/day , then to 50 mg/day</p> <p>- Imatinib dose reduction stepwise to 300 mg/mg, then to 200 mg/day</p>	<ul style="list-style-type: none"> • Treatment-related non-hematologic toxicity \geq grade 2 as per specified protocol criteria • \geq grade 3 neutropenia or thrombocytopenia (except for a platelet count $< 50 \times 10^9/L$ in patients on an anti-coagulant treatment) • Febrile neutropenia (\geq grade 3 neutropenia with temperature $\geq 38.5^{\circ}C$) • Liver function abnormalities (Bilirubin $> 3x$ institutional upper limit of normal (ULN), aspartate/alanine aminotransferases (AST/ALT) $> 5x$ institutional ULN) • Bleeding of any grade at any site (except for ≥ 3 anemia/lymphopenia)
	<ul style="list-style-type: none"> • No complete hematologic response (CHR, defined as $10 \times 10^9/L$ white blood cells or less, less than $450 \times 10^9/L$)

<p>- Dasatinib dose escalation to 140 mg/day</p> <p>- Imatinib dose escalation to 600-800 mg/day</p>	<p>platelets, less than 5% basophils, no blasts or promyelocytes, less than 5% myelocytes plus metamyelocytes, and no extramedullary involvement) within 3 months</p> <ul style="list-style-type: none">• No major cytogenetic response (MCyR, defined as reduction in Ph positive cells to less than 35% in bone marrow) within 6 months• No complete cytogenetic response (CCyR, absence of Ph positive cells in bone marrow) within 12 months• No major molecular response (MMR, defined as BCR-ABL transcript level of 0.1% or lower on the International Scale) within 18 months
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