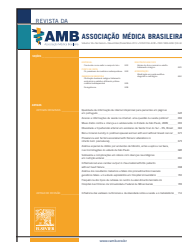




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Update on chronic myeloid leukemia

Atualização em leucemia mieloide crônica

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This section is composed by questions related to the section Guidelines in Focus, published in RAMB 59(3).

Questions

Each of the questions or incomplete statements is followed by four suggested answers or completions. Select the one that is best in each case.

- What are the diagnostic criteria for chronic myeloid leukemia (CML)?
 - Presence of the Philadelphia chromosome and/or presence of the BCR-ABL rearrangement
 - Basophilic leukocytosis and plaquetocys
 - Leukocytosis and splenomegaly
 - Leukocytosis, thrombocytopenia, and < 10% blasts
- Do cytogenetic abnormalities, in addition to Philadelphia chromosome (Ph) at diagnosis, have prognostic significance?
 - Increases survival by 60%
 - Increases mortality by 36% to 40%
 - Reduces mortality due to disease progression by 28%
 - Grants higher overall survival in 5 years
- Is imatinib superior to second-generation tyrosine-kinase inhibitors for the treatment of primary chronic phase-CML?
 - Imatinib is more beneficial than dasatinib
 - Nilotinib brings is less beneficial than imatinib

- There is no difference in response to treatment
 - Dasatinib and nilotinib are more beneficial than imatinib
- Does the cytogenetic assessment have an impact on prognosis?
 - The presence of the cytogenetic response increases mortality
 - The loss of the cytogenetic response in the 1st year of treatment with imatinib is 77%
 - Patients that have a cytogenetic response to imatinib present increased survival
 - There is no difference in mortality in the cytogenetic response to dasatinib
 - What is the treatment of choice for patients with chronic-phase CML and resistance to imatinib 400 mg?
 - Imatinib (800 mg/day)
 - Dasatinib (100 mg/day) or nilotinib (400 mg every 12 hours) or progressive increase of the imatinib dose until 800 mg if the patient is not candidate to the others inhibitors
 - Dasatinib (140 mg/day)
 - Nilotinib (300 mg every 12 hours)

REFERENCE

- Bernardo WM, Paranhos FR, Costa RA, Meirelles R, Simões R. Atualização em degeneração macular relacionada à idade (DMRI). Rev Assoc Med Bras. 2013;59(3).

Answers

1. A; 2. B; 3. D; 4. C; 5. B

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