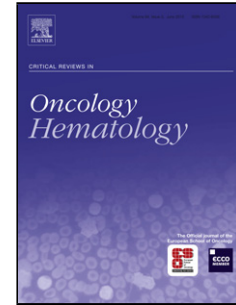


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1 **New insights into transfusion-related iron toxicity: implications for the**
2 **oncologist**

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- 10 ▪ Highlights
11 ▪ Transfusional iron overload and its consequences are increasingly recognized in
12 MDS
13 ▪ Evidence suggests iron overload affects clonal evolution and progression to AML
14 ▪ Pre-existing iron overload can also influence HSCT outcomes
15 ▪ Appropriate monitoring of body iron levels can help reduce iron-related toxicity
16 ▪ Prevention of organ and bone marrow damage may improve clinical outcomes

17

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19 **Running head:** Transfusion-related iron toxicity

20 **Abstract word count:** 150 (max 150)

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