

Immune – mediated complications after haploidentical stem cell transplantation. Clinical case

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Immune – mediated complications after allogeneic hematopoietic stem cell transplantation are relatively common complications that are associated with high morbidity and mortality. The pathophysiology of most of them is not fully understood and is very likely the result of immune dysregulation. Diagnosis is challenging, clinical presentation is variable, and treatment requires a multidisciplinary approach. The clinical management is complex and is based on immunomodulatory agents, anti - plasma cell therapies and receptor – stimulating agents.

Intensive immunosuppression is associated with an increased frequency of infectious complications, bleeding and disease recurrence.

Here, we describe a patient with severe pancytopenia (autoimmune haemolytic anemia, autoimmune thrombocytopenia, neutropenia) after haploidentical stem cell transplantation requiring multiple treatment approaches who finally died because of sepsis and kidney failure.