

Severe Sepsis with Kidney and Liver Dysfunction in a Sickle Cell Patient at Brazzaville: About Three Cases

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ABSTRACT

Introduction: Sickle cell anemia, in its evolution there is an infectious risk both in children and adults. Infectious complications are the main cause of morbidity and mortality in children with sickle cell disease.

Patients and case report: We report three cases of severe sepsis with renal and hepatic dysfunction during homozygous sickle cell disease, recorded in the Clinical Hematology Department of the Brazzaville teaching Hospital. The patients were female, aged 10, 17 and 20 years respectively, and were not followed up. The 20-years-old patient was 20-weeks and 5 days pregnant. On hydration, blood transfusion and antibiotic therapy, the outcome was favorable in all patients.

Conclusion: Regular follow-up, antibiotic prophylaxis and adequate vaccination of sickle cell patients are necessary to prevent sepsis and its complications.

Keywords: Homozygous sickle cell disease, Severe sepsis, Kidney and liver dysfunction, Brazzaville

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