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Neonatal disorders among diabetic mothers' newborns: analysis of 60 cases

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Abstract

Mucopolysaccharidosis (MPS) type VI, or Maroteaux-Lamy syndrome, is an autosomal recessive disorder of lysosomal storage caused by a deficiency of the enzyme arylsulfatase B (ASB), involved in the degradation of the glycoaminoglycans (GAG) dermatan sulfate and chondroitin-4-sulfate, leading to a series of multisystem clinical manifestations.

The aim of the study is to identify the clinical, biological and therapeutic options of this condition.

We described of 3 cases of MPS VI followed at the mother and child hospital of the Mohammed VI University Hospital of Marrakech over a period of 5 years.

The average age of our patients was 8.3 years, with a sex ratio of 0.5; the 3 cases came from a related marriage. They consulted at an average age of 4 years, for a statural and weight delay, a spinal deformity or for a facial dysmorphism. We noted a clinical polymorphism with cardiac, abdominal, osteoarticular or ophthalmological involvement. Urine GAG assay showed increased values with collapsed levels of aryl sulfatase in all patients. Galsulfase treatment is still not available in Morocco, the management was based on symptomatic medical, surgical and functional treatment.

Early initiation of enzyme replacement therapy ensures a better development with a better quality of life but also avoids the complications caused by this pathology.

Biography

Najwa Imad is a second year pediatric resident at the neonatal intensive care unit in Mohamed VI University Hospital in Marrakech Morocco, she graduated at the age of 25 years from Marrakech medical school, which belongs to Cadi Ayyad University at December 2019. She have 3 publications published so far.

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