

血红蛋白Chad [α 23(B4)Glu→Lys] 及其结构分析

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摘要 本文报道在湖北省武汉市血红蛋白病普查中发现的一个E异常血红蛋白家系, 结构Chad [α 23(B4)Glu→Lys]。这是国内首次发现的一个Hb Chad家系。

关键词

分类号

Hb Chad [α 23(B4)Glu→Lys] and Its Structural Analysis

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Abstract

During a hemoglobin survey carried out in Wuhan, an abnormal hemoglobin with similar electrophoretic mobility to Hb-A2 was found. The propositus was a 10 years old boy, and it was found later that his father and a sister also carried the same hemoglobin variant. The abnormal hemoglobin was identified as a member of the E group. Globin chain electrophoresis of hemolysate showed an α -chain abnormality. From the structural analysis by fingerprinting of the α -chain, as well as amino acid composition, it was found that the glutamic acid residue at position 23 (B4) was displaced by lysine, and hence it was known as Hb Chad [α 23(B4)Glu→Lys]. All three members who had the abnormal hemoglobin in the family showed no abnormality clinically.

Key words

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