

新疆蒙古族、锡伯族新生儿HbF中G γ /A γ 、A γ I/A γ T比值测定及基因图谱分析 G γ /A γ 、A γ I/A γ T Ratios of Retal Hemoglobin of Mongol and Sibo Ethnic Newborns in Xinjiang and Gene Mapping of Seven Cases with Abnormal Ralio

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摘要 用HPLC法测定新疆蒙古族78例、锡伯族60例新生儿胎儿血红蛋白(HbF)中G γ /A γ 以及A γ I/A γ T比值。%G γ 均值为:蒙古族73.99%,锡伯族74.59%。%A γ I均值分别为蒙古族56.04%和锡伯族64.33%。在蒙古族中发现A γ T纯合体4例、杂合体12例;锡伯族中发现A γ T杂合体6例。蒙古族中A γ T基因频率(fA γ T)为0.128,锡伯族为0.05。

Abstract: G γ /A γ 、A γ I/A γ T Ratios of fetal hemoglobin(HbF) in 138 cases of newborns of Megnol (n=78) and Sibo(n=60) ethnic groups in Urumuqi, Xinjiang were determined by HPLC. The means of % G γ of Mongol and sibo ethnic groups were 73.99% and 7459% respectively. 12 A γ /T cases of heterozygotes in Mongol, 6 in Sibo and 4 cases of A γ T homozygotes in Mongol were found. The frequencies of A γ T gene were 0.128 in Mongol and 0.05 in Sibo respectively. The means of A γ T of Mongol and Sibo ethnic groups were 56.04% and 64.33% respectively.

关键词 [高效液相色谱法\(HPLC\)](#) [G \$\gamma\$ /A \$\gamma\$ 比值](#) [A \$\gamma\$ T基因频率](#) [蒙古](#) [族](#) [锡伯族](#) **Key words** [HPLC](#) [G \$\gamma\$ /A \$\gamma\$ ratio](#) [A \$\gamma\$ T gene frequency](#) [Mongol](#) [Sibo](#)

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