

Leukaemia Section

Short Communication

Acute basophilic leukemia t(X;6)(p11;q23)

Nicole Dastugue

Génétique des Hémopathies, Laboratoire d'Hématologie, Hôpital Purpan, 31000, Toulouse Cedex, France

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Clinics and pathology

Disease

Rare type of acute myeloid leukemia.

Phenotype / cell stem origin

Basophilic precursor.

Epidemiology

Very rare but might be prominent in infants.

Clinics

Hyperhistaminemia syndrome has been reported in some of the cases.

Cytology

Major component of undifferentiated blasts + minor component of basophilic blasts (blasts containing large granules reacting positively to toluidine blue staining).

Treatment

ANLL protocols.

Prognosis

Good response to standard therapy for childhood ANLL.

Cytogenetics

Cytogenetics, morphological

t(X;6)(p11;q23)

Cytogenetics, molecular

Not done.

Genes involved and Proteins

Note: are unknown.

References

Dastugue N, Duchayne E, Kuhlein E, Rubie H, Demur C, Aurich J, Robert A, Sie P. Acute basophilic leukaemia and translocation t(X;6)(p11;q23). *Br J Haematol* 1997 Jul;98(1):170-6.

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