

ACUTE LEUKEMIA AND CONSTITUTIONAL ABNORMALITIES

Experience of a hematology and pediatric oncology center

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The acute leukemia and constitutional abnormalities association is certainly a rare situation but not an exceptional one in pediatrics. The Down syndrome is the most frequent abnormality associated with acute leukemia by children. Barely 5% of all tumor diseases by children are due to a genetic predisposition. We report the experience of the center of hematology and pediatric oncology of Rabat over a period of 10 years: Among constitutional abnormalities associated with acute leukemia (542 LAL et 185 LAM), there are 9 cases of trisomy 21 (or 1.2%), one case of Ataxia telangiectasia, one case of Fanconi's anemia, one sickle-cell anaemia, one bloom syndrome, one Ollier Maffucci syndrome and one case of deficiency at G6PD. This association may be fortuitous or etiological in some cases of cancer. The treatment of leukemia remain to be adapted according to the field.