Open Peer Review on Qeios

T(12;21)(p13.2;q22.1)

National Cancer Institute

Source

National Cancer Institute. t(12;21)(p13.2;q22.1). NCI Thesaurus. Code C13727.

A translocation between chromosomes 12 and 21 involved in TEL-AML1 oncogene formation. The translocation produces a chimeric gene encoding a protein consisting of the N-terminal HLH domain of the TEL ETS-like transcription factor fused with a nearly complete AML1 protein. t(12;21) is the most frequent translocation causing ALL, accounting for 20% of ALL cases.