

CASE 088

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HIGHLIGHT OF THE CASE:

A rare case of APLM with variant RARA translocation: A diagnostic dilemma. .

MATERIALS AND METHODS:

Cytogenetic analysis was performed on bone marrow using standard techniques. GTG banding was used to identify the individual chromosomes. Cytogenetic nomenclature followed International System for Human Cytogenetic Nomenclature criteria (2024). Fluorescence in situ hybridization (FISH) analyses were performed to confirm the presence of variant RARA gene rearrangement using residual cell pellets from the conventional cytogenetic studies. The LSI RARA dual color break-apart rearrangement probes were used in the FISH analysis. A minimum of 200 interphase cells were scored. All Images were analysed using Bio-view karyotyping software.

CLINICAL HISTORY:

A 25-year-old male occasional smoker for 2 years presented with complaints of fever for 15 days, gum bleeding for 7 days; deviation of angle of mouth to right side associated with inability to close left eye for 3 days. There was no history of trauma, bleeding from other sites, weight loss, night sweats, double vision, difficulty in swallowing, slurred speech, muscle weakness.