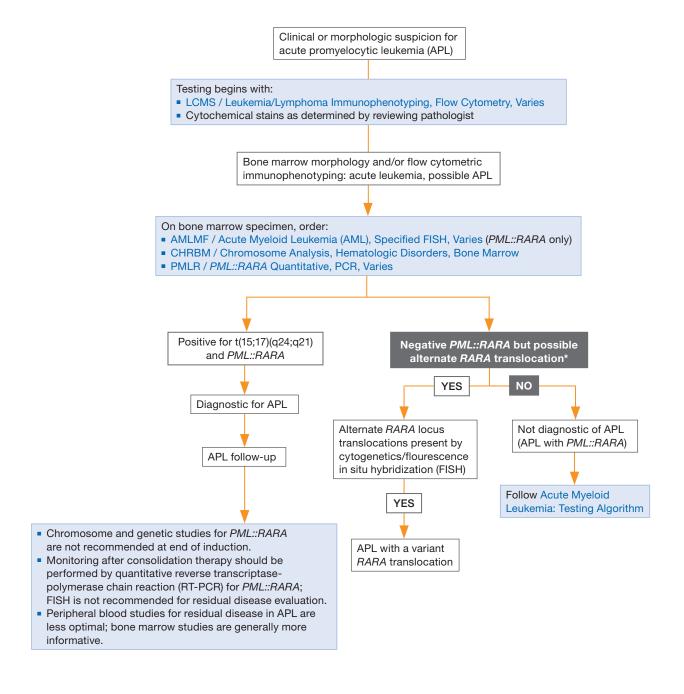


Acute Promyelocytic Leukemia: Guideline to Diagnosis and Follow-up



*Note: In some cases of AML with APL-like features PML::RARA is not observed and alternate rearrangements involving the RARA locus can occur.

Examples: ZBTB16::RARA; NUMA1::RARA; NPM1::RARA; STAT5B::RARA

RT-PCR for *PML::RARA* will not detect rare alternate *RARA* fusions in such cases. FISH can identify these rare alternate *RARA* rearrangements but will not be able to identify the partner gene. Neither PCR or FISH can identify rare APL with rearrangements involving other retinoic acid receptor genes such as RARB and RARG.

Geoffroy MC, de Thé H. Classic and Variants APLs, as Viewed from a Therapy Response. Cancers (Basel). 2020;12(4):967