

Myeloproliferative neoplasm: a diagnostic approach to bone marrow evaluation

Clinical suspicion of myeloproliferative neoplasm

Bone marrow testing begins with

- Hematopathology consultation
- Chromosome analysis, hematologic disorders, bone marrow
- *JAK2* V617F mutation detection, bone marrow
- *BCR/ABL*, mRNA detection, reverse transcription-PCR (RT-PCR), qualitative, diagnostic assay
OR *BCR/ABL*, translocation 9;22, FISH (D-FISH)

Legend

PV: Polycythemia vera
 ET: Essential thrombocythemia
 PMF: Primary myelofibrosis
 MPN: Myeloproliferative neoplasm

