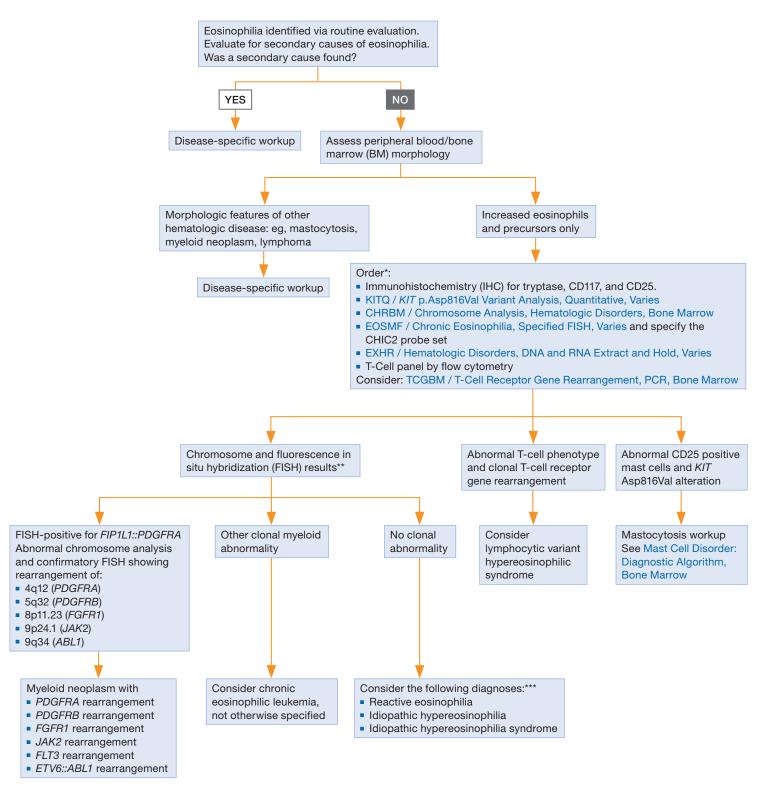


## Eosinophilia: Bone Marrow Diagnostic Algorithm



\*Do not routinely order the following: BCR::ABL FISH or PCR, FISH for PDGFRB or FGFR1, mast cell flow cytometry

\*\*Detection of the t(5;14)(q31;q32) [IGH::IL3] mutation is associated with B-lymphoblastic leukemia with reactive eosinophilia.
\*\*\*If there is significant dysplasia (hypercellularity, odd megakaryocytes, ring sideroblasts, etc.), or if the clinical scenario is worrisome for a clonal myeloid process, consider adding next-generation sequencing and FISH for PDGFRB, FGFR1,

ABL1, and JAK2, as rarely these may be cryptic.