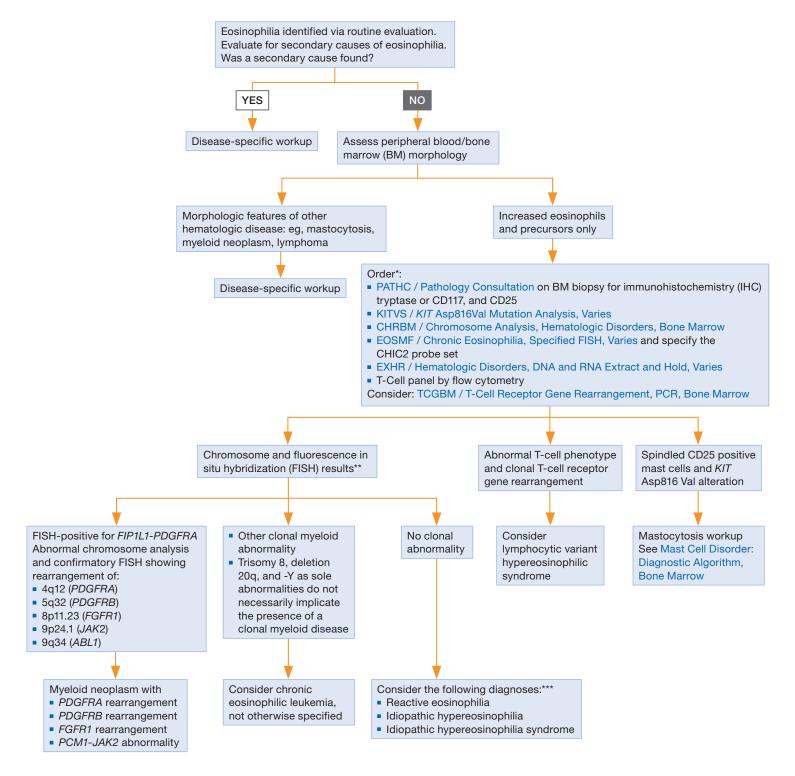


## Eosinophilia: Bone Marrow Diagnostic Algorithm



<sup>\*</sup>Do NOT routinely order the following: BCR/ABL1 FISH or PCR, FISH for PDGFRB or FGFR1, mast cell flow cytometry

<sup>\*\*</sup>Detection of the t(5;14)(q31;q32) [IGH/IL3] mutation is associated with B-lymphoblastic leukemia with reactive eosinophilia.

<sup>\*\*\*</sup>If there is significant dysplasia (hypercellularity, few odd megakaryocytes, ring sideroblasts, etc.), consider adding next-generation sequencing and FISH for PDGFRB, FGFR1, ABL1, and JAK2, as rarely these may be cryptic.