Acute Myeloid Leukemia: Relapsed with Previous Remission Testing Algorithm

Previously diagnosed acute myeloid leukemia (AML)

YES

Less than 6 months since diagnosis

YES

Order:
- LCMS / Leukemia/Lymphoma Immunophenotyping by Flow Cytometry, Varies (triage-acute panel)
- CHRBM / Chromosome Analysis, Hematologic Disorders, Bone Marrow
- FLT / FLT3 Mutation Analysis, Varies
- NGAMT / Next-Generation Sequencing Acute Myeloid Leukemia, Therapeutic Gene Mutation Panel (FLT3, IDH1, IDH2, TP53), Varies
Consider more extensive next-generation sequencing testing if warranted (NGSHM / OncoHeme Next-Generation Sequencing for Myeloid Neoplasms, Varies)
- CD33 testing-percent positivity

NO

Follow Acute Myeloid Leukemia: Testing Algorithm

NO

Order:
- LCMS / Leukemia/Lymphoma Immunophenotyping by Flow Cytometry, Varies (triage-acute panel)
- CHRBM / Chromosome Analysis, Hematologic Disorders, Bone Marrow
- FLT / FLT3 Mutation Analysis, Varies
- NGSHM / OncoHeme Next-Generation Sequencing for Myeloid Neoplasms, Varies (including: FLT3, IDH1, IDH2, TP53)
- CD33 testing-percent positivity