NEW ACUTE LEUKEMIA
Workup

COLLECTION

Yes
If AML, will FLT3/occult t(8;21), inv(16) alter Rx?

No

Order
MORPHOLOGY
FLOW
ACUTE LEUK ALGORITHM

2 Na heparin green tops
1 EDTA to ARUP for DNA isolation

Order
MORPHOLOGY
FLOW
CG

2 Na heparin green tops

MORPHOLOGY
REVIEW

Acute Leukemia confirmed: CG, flow proceeds

Suspect APL: FISH for t(15;17)

Other disease – flow tests altered/cancelled

CG RESULT: Work up will depend on result

Inv(16) t(8;21)

FLT3 mutation (ARUP)

Normal

FISH for t(8;21), inv(16)

No further studies

t(15;17)

Other CG abn

No further studies
Day 10-15 Bone Marrow (assess induction)

Collection: MORPHOLOGY ONLY

Day 30 Bone Marrow (assess remission)

Collection: MORPHOLOGY
CG IF previously abnormal