Clinical suspicion of hereditary hemochromatosis (HH)

YES

Fasting morning transferrin saturation >45% (FEC / Iron and Total Iron-Binding Capacity, Serum)

NO → **STOP**

YES

Repeat transferrin saturation (FEC) and ferritin >normal (FERR1 / Ferritin, Serum)

NO → Recheck in 1 year

YES

Secondary iron overload?

YES → Treat underlying cause

NO

HFE gene testing: C282Y homozygote? (HFET / Hereditary Hemochromatosis, *HFE* Variant Analysis, Varies)

YES

NO

1. Ferritin <1,000 mcg/L
2. Normal aspartate aminotransferase (AST)

YES → Phlebotomy

NO

Liver biopsy histology and hepatic iron concentration (FET / Iron, Liver Tissue) consistent with HH?

YES → Phlebotomy

NO → Follow patient

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