**Hemochromatosis Testing**

**INDICATIONS FOR TESTING**
Adult patient presenting with clinical features suggestive of HH

**ORDER**
Serum ferritin testing AND serum transferrin saturation (calculated from iron and iron binding capacity)

- Transferrin saturation <45% and normal serum ferritin
  - No further testing at this point

- Transferrin saturation ≥45% and/or unexplained elevated serum ferritin
  - Serum ferritin <1,000 µg/L and normal liver enzymes
    - Consider referral to hepatologist
  - Serum ferritin >1,000 µg/L and/or elevated liver enzymes
    - Refer to hepatologist for fibrosis assessment

**INDICATIONS FOR TESTING**
Adult 1st-degree relative of a patient diagnosed with C282Y homozygous HFE HH or reproductive partner of individual diagnosed with HFE HH

**ORDER**
Hemochromatosis (HFE) genetic testing

- C282Y homozygosity
  - HFE HH confirmed
    - Serum ferritin <1,000 µg/L and normal liver enzymes
      - Consider referral to hepatologist
    - Serum ferritin >1,000 µg/L and/or elevated liver enzymes
      - Refer to hepatologist for fibrosis assessment

- Other genotype
  - Evaluate for iron loading (consider MRI, liver biopsy)
  - Iron loading absent
    - No further testing at this point
  - Iron loading present
    - Consider rare genotype or digenic inheritance

**Abbreviations**
HH Hereditary hemochromatosis
MRI Magnetic resonance imaging

**References**