Haemochromatosis is often found in men over 40 and in women, especially those who no longer menstruate. Early detection gives a great opportunity to seek early treatment and prevent development of potentially life-threatening complications.

Packages specially designed to detect haemochromatosis and genetic predisposition

www.leeuwenhoek.ie
Iron plays an important role in our body as it helps red blood cells transport oxygen. Iron is a mineral absorbed from the diet through a very regulated process. It is transported in the blood by a protein called transferrin, temporarily stored in the cells as ‘ferritin’ and then deposited in organs and tissues. Haemochromatosis is a disease where excessive iron absorption results in chronic overload. This builds slowly before symptoms appear. Iron overload results in a build up in organs, primarily the liver, which if left untreated may cause organ and tissue damage and even death. Abnormal liver function may be an early sign of haemochromatosis. Mutations in genes regulating iron absorption are associated with haemochromatosis. The most common type is hereditary Type I. One’s family history of the disease can offer clues that haemochromatosis may be present.

Did you know?...
Haemochromatosis genetic mutation Type I is nicknamed the ‘Celtic curse’. This is because Ireland, and particularly the West, has the highest incidence in the world (1 in 83).

Leeuwenhoek’s package helps to find out if you have haemochromatosis. Additionally we offer mutation tests to identify if you carry 1 or more mutation(s) and at higher risk of developing haemochromatosis.

Find out more
Visit www.leeuwenhoek.ie for more info or to book an appointment. Questions? send an e-mail or give us a ring. Also feel free to drop in and we’ll gladly answer any question you may have.

64 Upper O’Connell St, Ennis, Co. Clare
info@leeuwenhoek.ie, 065 6868 494, (text) 086 323 1712

Haemochromatosis tests (on blood)
Serum iron - level of iron in blood.
TIBC (total Iron-Binding Capacity) – measures the proteins that can bind with iron and make blood cells. Transferrin is the primary blood iron-binding protein. It is produced in response to the body’s demand for iron. TIBC is therefore an indirect measurement of transferrin.
UIBC (Unsaturated Iron-Binding Capacity) – Reflects the additional amount of iron that can be bound.
Transferrin-iron saturation percentage (TS%) - a formula where serum iron is calculated as proportion of TIBC.
Ferritin – evaluates the iron status. Ferritin is the main iron storage protein. Its concentration is directly related to the total iron stored in the body.
Liver function tests - measure levels of liver enzymes:
• Alanine aminotransferase (ALT)
• Aspartate aminotransferase (AST)
• Alkaline phosphatase (ALP)
• Gamma-glutamyl transpeptidase (GGT)
• Bilirubin
• Total proteins with its classes albumin and globulins

Haemochromatosis Mutation tests (on blood)
C282Y mutation
H63D mutation

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