

"In medical image analysis, speed and accuracy matter".

What Is FerriScan®?

FerriScan is a magnetic resonance imaging (MRI)-based technology for the non-invasive measurement of liver iron concentrations.

Key features of FerriScan:

- *Non-invasive.*
- *Accurately measures liver iron levels.*
- *Can be used repeatedly.*
- *Fast – 20 minute outpatient procedure.*

Excess iron deposits in tissues of the body, particularly the liver, eventually causing tissue damage and organ failure. For patients affected with iron overload, accurate monitoring of the body iron burden is crucial to the management of their disease.



Early detection of iron overload is essential in the prevention of serious complications. Yet identification of individuals suffering from iron load has in many cases been hampered by inconclusive testing methods.

Blood markers such as serum ferritin are confounded by factors other than iron loading such as inflammation. Liver biopsy is an invasive procedure and involves uncertainties in results due to the irregular nature in which iron is stored in the liver. Gene testing for hereditary haemochromatosis provides information on likelihood but not level of iron loading.

Haemochromatosis

Disorders of iron metabolism are amongst the most common diseases in the world. Hereditary haemochromatosis is a condition where excess uptake of dietary iron leads to the accumulation of iron and affects 1 in 227 people of Northern European descent. For patients with haemochromatosis the treatment can be as simple as donating blood regularly to remove the extra iron.

An accurate measure of liver iron in patients with haemochromatosis enables the clinician to determine the amount of phlebotomy required. FerriScan also assists with diagnosis of haemochromatosis for gene negative patients.

Transfusional Iron Overload

Iron accumulates due to repeated blood transfusions in patients with blood disorders such as β -thalassaemia, sickle cell anaemia and myelodysplastic syndrome (MDS). Drug therapy using an iron chelator is used to remove the excess iron.

FerriScan enables clinicians to determine when chelation therapy should commence, how well it is working and adjust the therapy according to an accurate measurement of liver iron levels, minimizing the potential for organ damage.

FerriScan is being used in various clinical trials investigating the effects of iron chelation in populations of patients who present with signs of iron overload due to repeated blood transfusions.

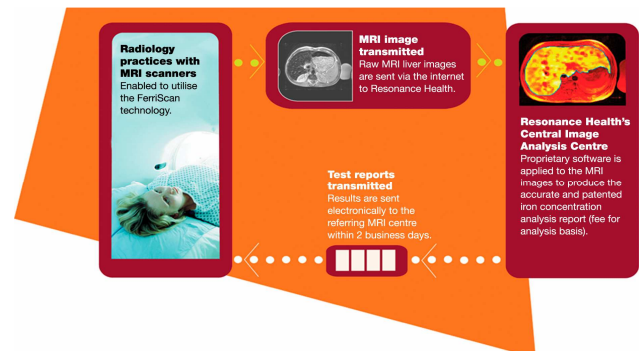
Regulatory Approved

FerriScan is clinically proven to be highly sensitive and specific and is a non-invasive liver iron measurement technique with regulatory approval, with a thorough clinical validation supporting the technology.

FerriScan is cleared for marketing by regulatory authorities in the USA (FDA), Canada (Health Canada), Australia (TGA), New Zealand (Medsafe), Europe and the UK (CE Mark).

The FerriScan Process

The FerriScan process involves four simple steps:



1. Patients are required to spend approximately 20 minutes in the MRI instrument. *No contrast agent is administered.*
2. Image data are transmitted electronically to the FerriScan Service Centre through a secure internet link.
3. The service uses a patented methodology for processing the MR images to generate a liver iron concentration (LIC) result.
4. LIC reports are made available to the MRI centre through the secure link within two working days.

Further Information

Please visit us at www.resonancehealth.com for further information or send an email to info@ferriscan.com