Perspectum

PATIENT GUIDE

Understanding Liver Tissue Characterization

LiverMultiScan

LiverMultiScan v5.0

LiverMultiScan FAQs

What is Magnetic Resonance Imaging?

Magnetic Resonance Imaging (MRI) is a non-invasive medical imaging technique which uses a powerful magnetic field and radio waves to produce detailed images of body organs or structures. MRI can allow a physician to evaluate parts of the body noninvasively that may not be assessed adequately by other imaging methods, like ultrasound. MRI does not use harmful ionizing radiation like x-ray scans or carry any known long-term health risks.

What is LiverMultiScan

LiverMultiScan is a non-invasive method that accurately assesses signs of liver disease. It is a software that uses MRI scans to provide quantitative metrics of liver health in an easy-to-understand report, empowering your physician with information to aid diagnosis and enhance the management of your liver disease.

LiverMultiScan is provided as a service by Perspectum.

What does LiverMultiScan measure?

LiverMultiScan provides your physician with three quantitative metrics of liver health — corrected T1 or cT1, PDFF, and LIC — in a single scan indicating the extent of disease activity, fat content, and iron concentration in your liver, respectively. LiverMultiScan is the only technology measuring cT1, which can assess liver disease activity and predict the likely future course of the disease.

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What should I expect during an MRI?

On arrival at a Perspectum-approved imaging center, you would either be asked to change into a gown or allowed to wear metal-free loose clothing, depending on the imaging center's rules. Next, you will be asked to lie on your back on a flat-bed, and a trained MRI technician will slide it into the MRI machine until your body is in the correct position. You will be asked to lie still, breathe in and out, and hold your breath for a few seconds while your liver is scanned. During this time, the scanner will make loud tapping noises as the scanner coils are turned on and off. You will be given earplugs or headphones to reduce the noise.

After your scan, the MRI data will be transferred to Perspectum, where specialized data analysts will produce a LiverMultiScan report with quantitative metrics of liver health for interpretation by a physician.

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How long does a LiverMultiScan take?

Typical scanning time is around 6 minutes. Most patients are in the scanner room for less than 15 minutes.

Is a LiverMultiScan Painful?

No. The MRI scan is completely non-invasive and does not require any injections. Most patients don't experience any discomfort during the procedure. Patients prone to claustrophobia (a fear of tight spaces) may experience some discomfort, which is usually very manageable, as the time needed for the scan is very short.

Are there any risks associated with a LiverMultScan

As the MRI acquisition for LiverMultiScan is non-invasive, it does not carry any known long-term health risks.

Patients with metal implants, pacemakers or artificial heart valves should inform the technologist, as in some cases, it may not be safe to undergo the examination. Patients who are or might be pregnant should seek advice from their physician and/or inform the MRI technician before the scan.

What happens after a LiverMultScan?

After undergoing an MRI scan at a Perspectum-approved imaging center, your MRI data will be transferred to Perspectum through our secure data transfer facility. The captured images will be analyzed using LiverMultiScan at Perspectum's dedicated image analysis center.

Subsequently, a LiverMultiScan report containing the quantitative metrics and images indicating the status of your liver health will be returned to the imaging center for interpretation by a physician. The information provided, as well as other diagnostic tests or procedures, will be used by your physician to assess the health of your liver in the context of your disease.

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How can I get a LiverMultiScan?

Ask your physician or an imaging facility offering LiverMultiScan.

How does my physician use the metrics to diagnose liver disease?

At their discretion, your physician will use the analyzed results provided in the LiverMultiScan report with other diagnostic test results (e.g., blood tests, ultrasound scans, etc.) to diagnose your liver disease. Very high fat and/or iron in your liver can impact the accuracy of LiverMultiScan's results — this information will be shared with your physician.

Can a patient use a LiverMultiScan to diagnose liver disease?

Patients themselves should never interpret LiverMultiScan reports. The metrics provided by LiverMultiScan are exclusively intended for interpretation by trained physicians as additional supporting information for the diagnosis of liver disease.

LiverMultiScan is a support tool for diagnosis, and responsibility for diagnosis and treatment decisions remains the sole responsibility of the interpreting physician.

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