

EQUIP YOUR PRACTICE TO LEAD IN LIVER DISEASE CARE

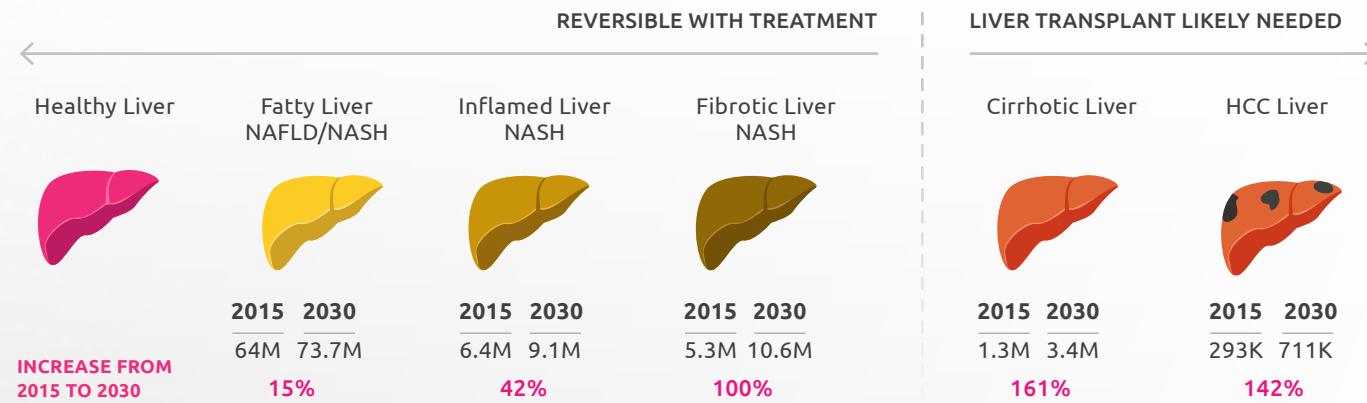
Gain a more comprehensive view of liver health with **LiverMultiScan™**

Perspectum
Diagnostics 

FUTURE PROOF YOUR BUSINESS FOR THE IMMINENT NASH EPIDEMIC

LiverMultiScan™ is an imaging technology that empowers physicians to examine the entire liver so they can consistently quantify evidence of liver disorders, such as NASH and hepatitis, in a comprehensive, rich visual format.

THE CONTINUUM OF LIVER DISEASE



As incidences of liver disease are projected to rise significantly, **LiverMultiScan** can quantify measures of liver fat, and correlates of hepatic iron and fibro-inflammation to help you assess a patient's liver health across the disease spectrum.



LIVER DISEASE IS ON THE RISE

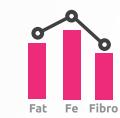
- 1 in 5 Americans has liver disease
- An estimated 64 million people in the U.S. already have NAFLD/NASH
- Current U.S. annual medical costs of NAFLD/NASH about \$103 billion

Source: <https://www.ncbi.nlm.nih.gov/pubmed/27543837>

THIS PATENTED MRI METHOD:



Characterizes liver tissue



Takes measures of liver fat, and correlates of hepatic iron and fibro-inflammation

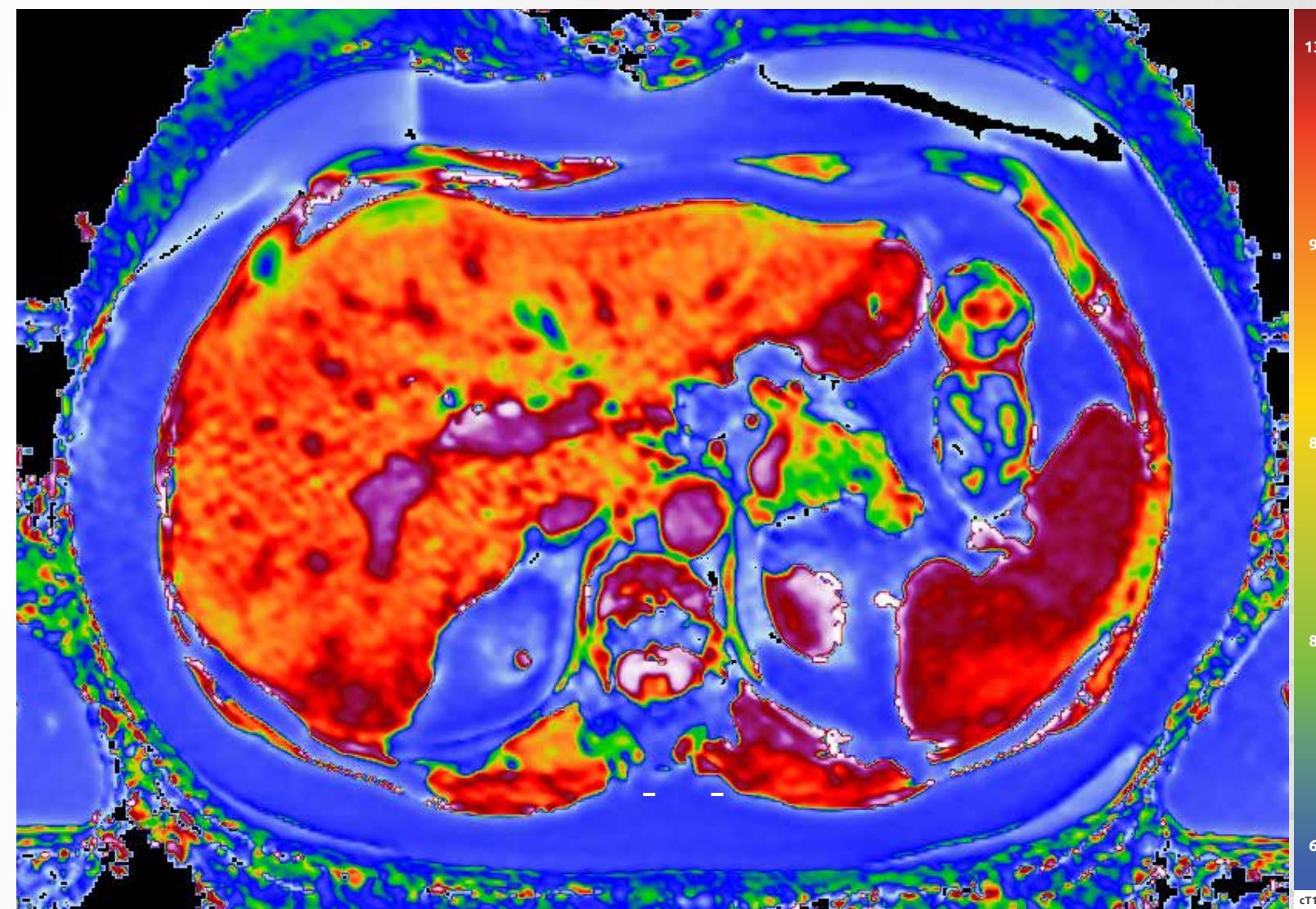


Aids clinicians in diagnosing liver disease and making treatment decisions¹⁻³



Patient-friendly report leverages a rich, visual format

Using MRI data to capture quantitative images of liver fat, correlates of hepatic iron and fibro-inflammation in the liver, **LiverMultiScan** can characterize liver tissue to show a correlation with histological measures of steatosis, hemosiderosis and fibrosis of the liver.¹⁻³

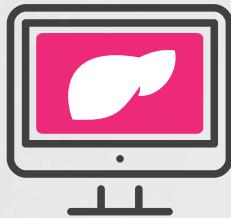


BETTER SERVE YOUR PATIENTS & PRACTICE WITH LIVERMULTISCAN™



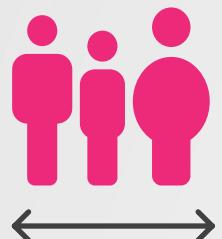
ECONOMICS

- Immediate cash flow positive service
- Generate new revenue from clinical trials
- No new hardware required
- Create new referral patterns
- Market directly to consumers
- Be prepared for the NASH epidemic
- Manage costs in a value-based health care system



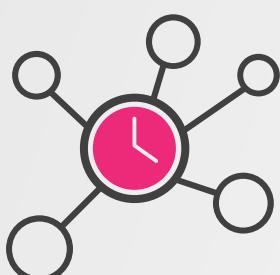
EASE OF USE

- Non-contrast, non-invasive
- Compatible with the latest MRI hardware and software
- Referring physician and patient-friendly report
- Standardized metrics across multiple MRI vendors



EFFICACY

- Scan patients of all body types
- Improve patient management
- See early signals of treatment effectiveness¹
- Highly repeatable and reproducible

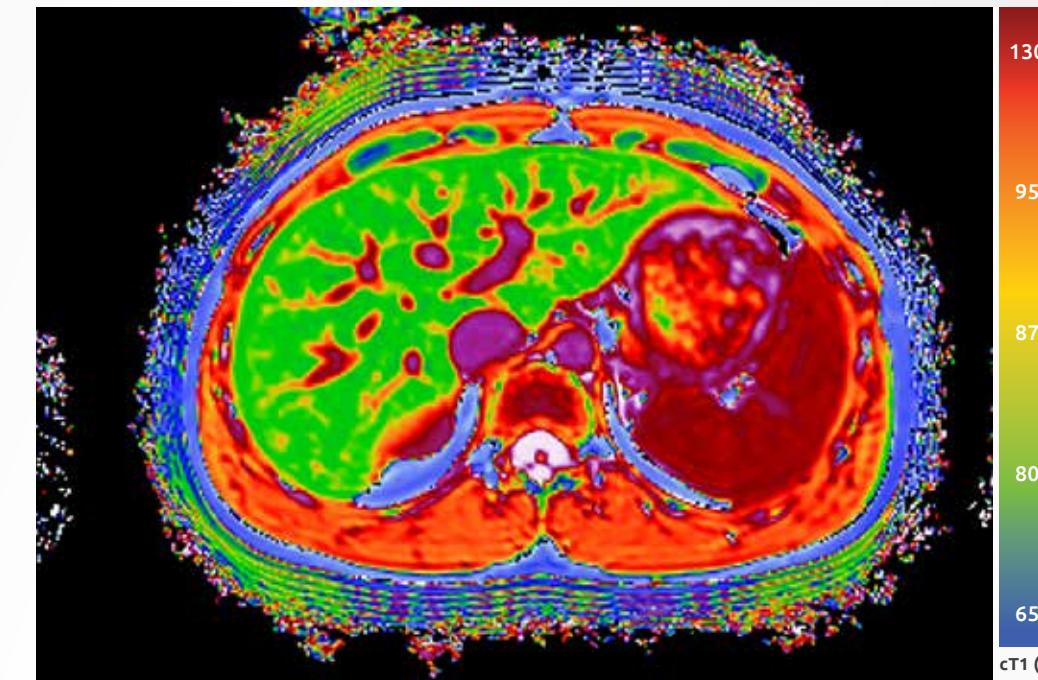


EFFICIENCY

- Adds less than 10 minutes to mid-abdominal protocol
- Scans take 15 minutes each
- Use a cloud-based application capable of processing millions of transactions

CONFIDENTLY CHARACTERIZE LIVER TISSUE WITH COMPREHENSIVE INSIGHTS

LiverMultiScan's detailed visuals enable physicians to see the entire liver and can aid in the diagnosis of liver disorders or abnormalities.¹

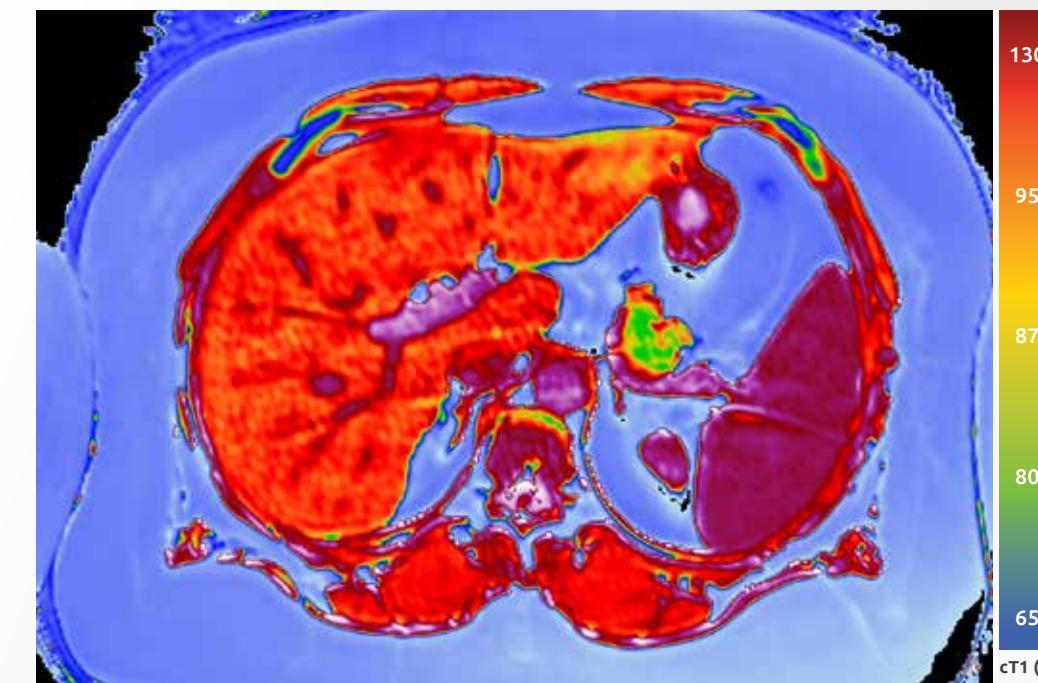


HEALTHY PATIENT

Fat: 0.8%
Normal range: <5.6%

T2*: 28.3ms
Normal range: >23.0ms

cT1: 792.1ms
Normal range: 645ms – 822ms



NASH PATIENT

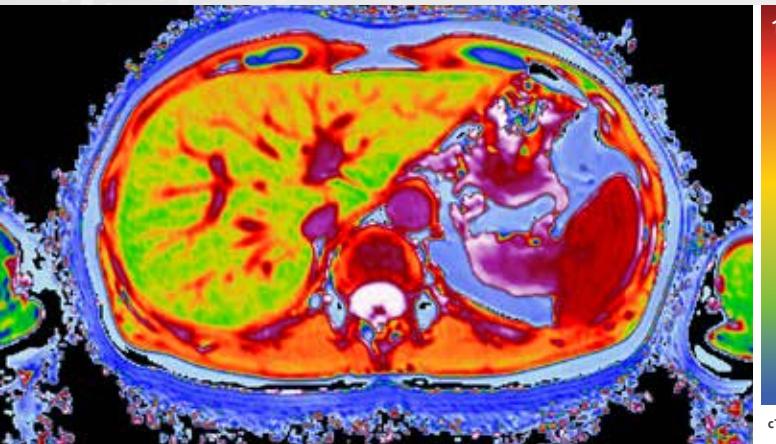
Fat: 17.4%
Normal range: <5.6%

T2*: 12.1ms
Normal range: >12.5ms

cT1: 1062.8ms
Normal range: 645ms – 822ms

CASE STUDY: MEASUREMENT OF PATIENT RESPONSE OVER TIME

LiverMultiScan™ shows early signals that a 51-year-old male diagnosed with Hepatitis C (GT1a) is having a positive sustained response to treatment. Our research platform LiverMultiScan Discover™ has been used in clinical trials to monitor change.

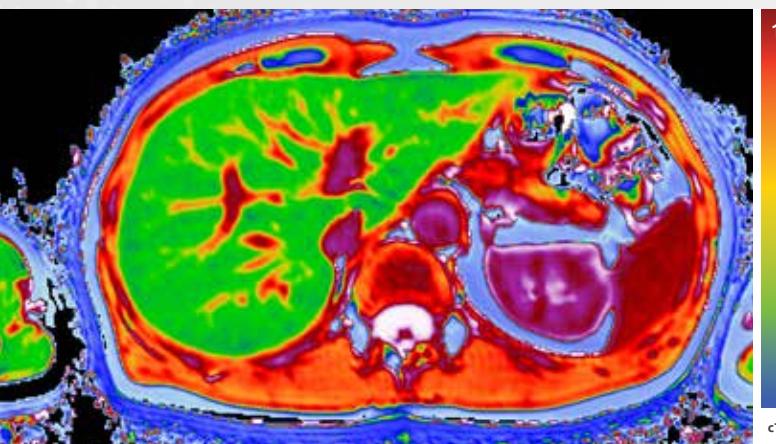
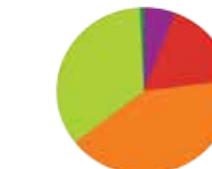


WEEK 1: LDV/SOF + RBV

Fat: 0.7%
Normal range: <5.6%

T2*: 20.6ms
Normal range: >12.5ms

cT1: 881.8ms
Normal range: 645ms – 822ms

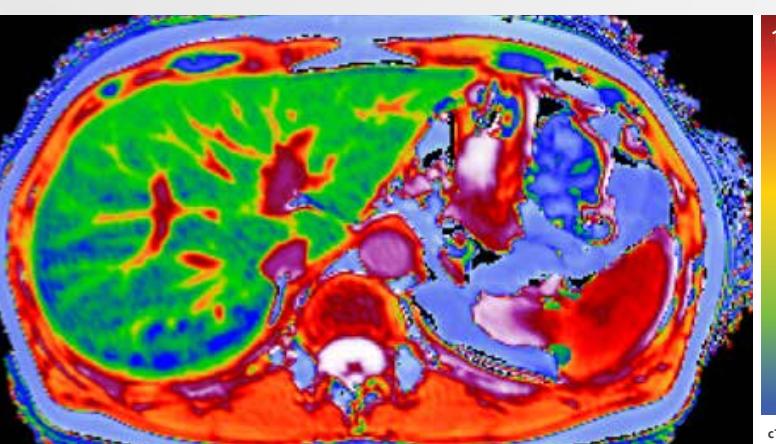
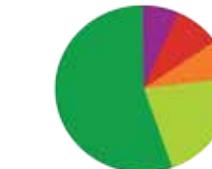


WEEK 7: LDV/SOF + RBV

Fat: 1.2%
Normal range: <5.6%

T2*: 22.2ms
Normal range: >12.5ms

cT1: 766.1ms
Normal range: 645ms – 822ms

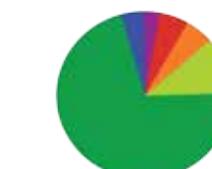


WEEK 26: OFF TREATMENT

Fat: 1.1%
Normal range: <5.6%

T2*: 21.8ms
Normal range: >12.5ms

cT1: 756.5ms
Normal range: 645ms – 822ms



A SEAMLESS PROCESS TO SUPPORT YOUR PRACTICE

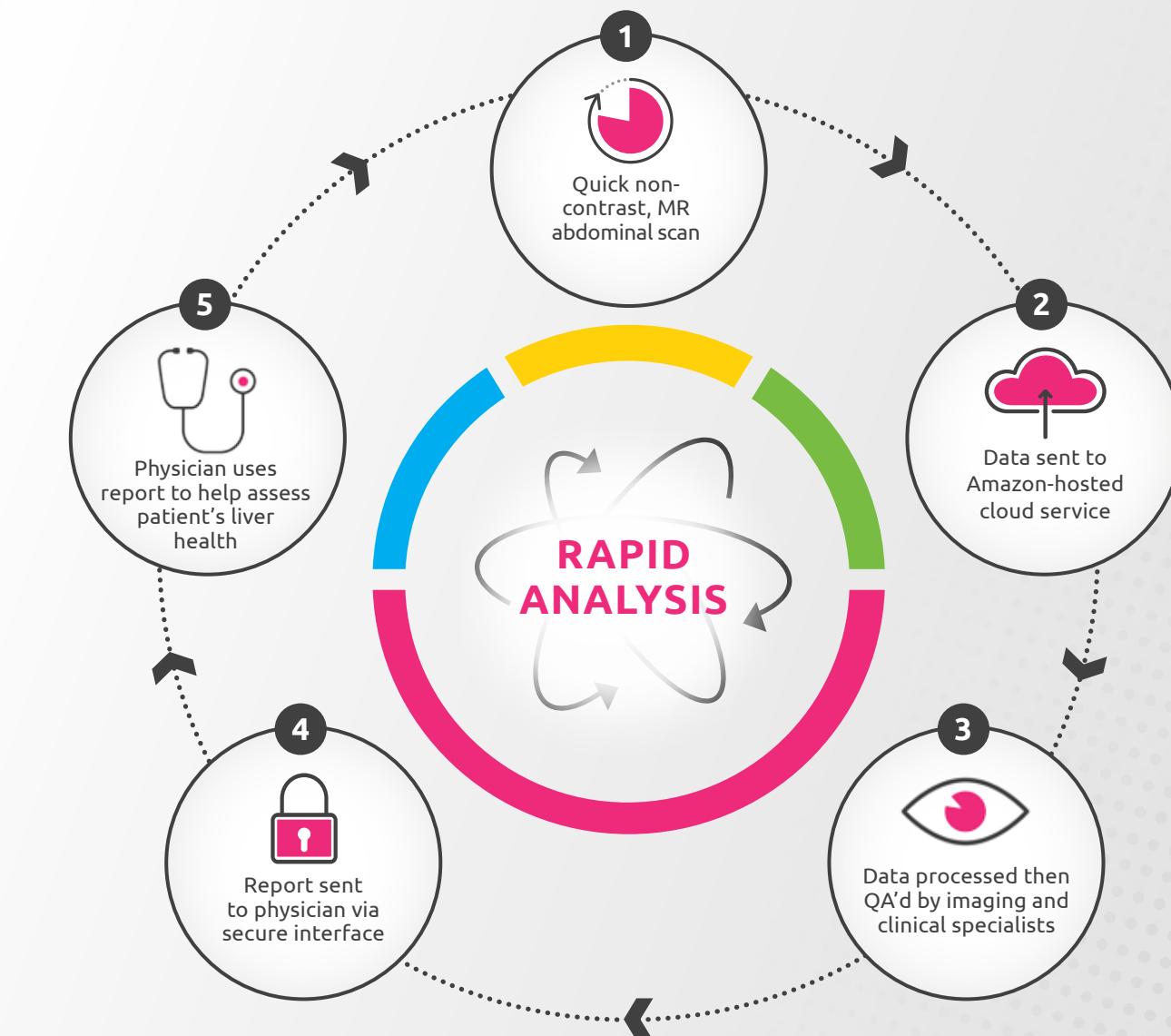
LiverMultiScan is suitable for clinical practice. Its rich visual imagery can help:



Doctors explain patients' liver health and **encourage them to maintain their treatment plan**



Doctors **assess a treatment plan's efficacy** and make modifications as needed





Perspectum Diagnostics combines the power of digital imaging technologies and innovative software to empower the medical community and best serve patients with liver disease.

Learn how **LiverMultiScan™** can benefit your practice and patients at perspectum-diagnostics.com.

LiverMultiScan is 510(k) cleared in the U.S. and CE marked in Europe. **LiverMultiScan Discover™** does not hold regulatory clearances anywhere in the world, is a research platform, and solely intended for investigational use.

For full disclosure of **LiverMultiScan and **LiverMultiScan Discover** research platform and a detailed list of labeling, claims, clinical data and publications, visit perspectum-diagnostics.com.**

¹Banerjee, R., Pavlides, M., Tunnicliffe, E.M., Piechnik, S.K., Sarania, N., Philips, R. et al, Multiparametric magnetic resonance for the non-invasive diagnosis of liver disease. *J Hepatol*. 2014;60:69–77.

²Pavlides, M., et al., Multiparametric magnetic resonance imaging predicts clinical outcomes in patients with chronic liver disease. *J Hepatol*, 2016. 64(2): p. 308-315.

³Pavlides, M., et al., Multiparametric magnetic resonance imaging for the assessment of non-alcoholic fatty liver disease severity. *Liver Int*, 2017. 37: p. 1065–1073.