

NASH Trial With MRI-PDFF and Liver Stiffness

50 sites

MRI-PDFF, MR elastography

Liver fat and stiffness

Challenge

Quantitative liver imaging biomarkers are only as reliable as the scanners that produce them. In this NASH program, vendor differences in MRI-PDFF and MR elastography implementation threatened the comparability of liver fat fraction and stiffness measurements across 50 sites. Because these quantitative endpoints would inform Phase IIb dose selection, even modest cross-vendor bias carried direct consequences for one of the trial's most consequential decisions.

Our Solution

Intrinsic Imaging implemented phantom-based scanner qualification to characterize and calibrate each platform before enrollment, then verified sequence parameters on every submission at the point of receipt. Central quantitative review of liver fat fraction and stiffness was performed under uniform analysis protocols, with vendor-specific considerations documented and controlled. The result was a harmonized quantitative dataset in which measurements could be compared meaningfully across sites, scanners, and timepoints.

Results

- Evaluable scan rate above 96%
- Consistent PDFF values across vendors
- Reliable data for the Phase IIb dose selection

Read the full study online: <https://www.intrinsicimaging.com/case-studies/gastroenterology-liver>

About Intrinsic Imaging, LLC

Intrinsic Imaging is a full-service medical imaging core lab providing comprehensive services in support of Phase I-IV clinical trials and Class I, II, III medical device trials. Intrinsic Imaging is also a world leader in conducting Artificial Intelligence studies. With its team of more than 750 board-certified and fellowship-trained physicians, Intrinsic Imaging's team has sub-specialization in all therapeutic areas, including Cardiovascular, Central Nervous System, Gastroenterology, Musculoskeletal, Oncology and Ophthalmology. Certified by the British Standards Institution (BSI), Intrinsic Imaging is the only company in the world to hold five ISO certifications specifically for providing imaging core lab services on clinical trials. For more information, please visit www.IntrinsicImaging.com.

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