



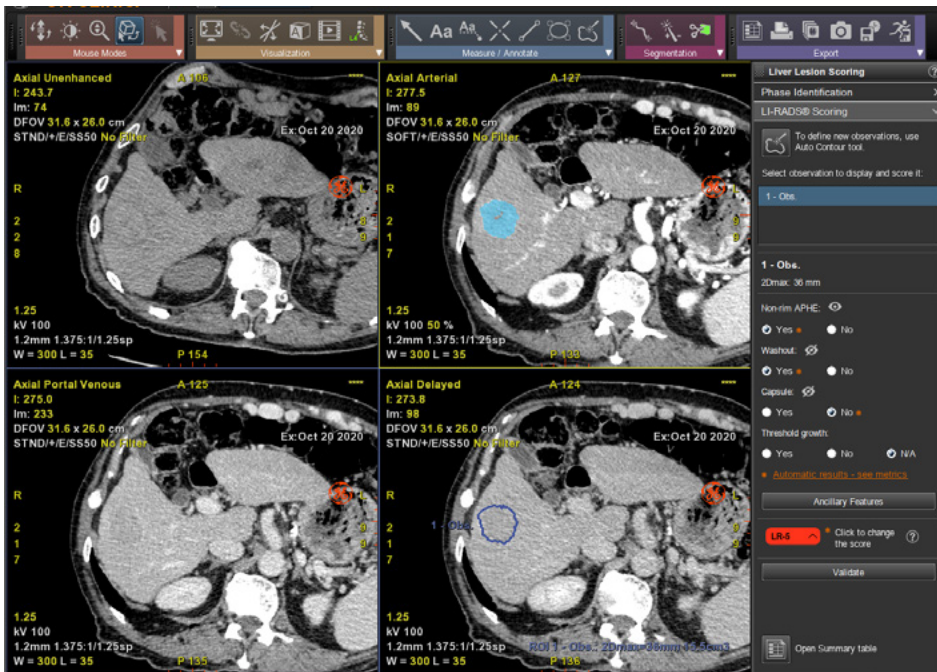
GE HealthCare

Liver Suite

Streamline multi-phase CT liver exams analysis for patients with known or suspected HCC per LI-RADS® v2018 guidelines

Hepatocellular carcinoma (HCC) is the most common primary liver cancer in adults (75-90%). Risk factors include chronic liver diseases such as hepatitis B or hepatitis C infections and lifestyle-induced pathologies (fatty liver disease, alcohol-induced cirrhosis, obesity, etc.). Liver Imaging Reporting and Data System (LI-RADS®) was developed by an international group and published by the American College of

Radiology to standardize the assessment and reporting of known or suspected HCC within the radiology community. The Liver Suite workflow includes access to visualization tools dedicated to liver assessment following LI-RADS guidelines and streamlines the review and reporting of multi-phase CT liver exams for patients with known or suspected HCC.



Highlights

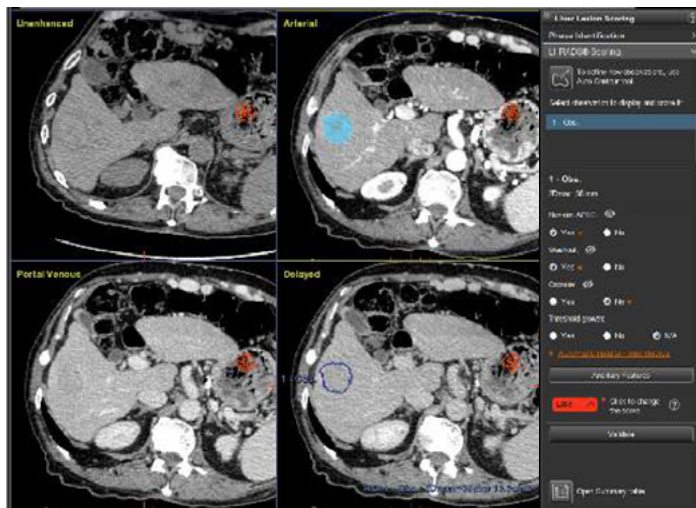
- Guided workflow with intelligent display for review of multi-phase liver CT images.
- Automatic identification of hepatic vascular phases.
- Registration based on the liver shape to reduce patient motion effects between series.
- Semi-automatic contouring of liver observations.
- Manual setting of applicable LI-RADS v2018 score.
- Automatic extraction of LI-RADS v2018 major features (APHE, washout, capsule) based on AI technology².
- Embedded reminders of LI-RADS v2018 scoring definition.
- Results automatically sent to the Summary table for review and export.
- Volume Viewer user interface offers access to standard measurement options.

Overview

- Liver Suite provides a guided workflow that can be used as a standalone protocol within Volume Viewer or as part of Hepatic VCAR¹ liver assessment on CT multi-phase data.
- Automatic analysis² of major imaging features and associated LI-RADS pre-score, with the following specificities: APHE 92.3%, Washout 86.2%, Capsule 92.3%, and automatic pre-score 73.1%.
- It is meant to help clinicians evaluate imaging features and apply LI-RADS structured reporting guidelines, as well as improve communication with referring physicians.

Features

- Automatic hepatic phase identification.
- Automatic registration of series centered on liver.
- Semi-automatic contouring of observations with autocontour tool.
- Scoring for untreated observations per LI-RADS v2018 guidelines.
- Automatic extraction of LI-RADS v2018 major features (APHE, washout, capsule) based on AI technology².
- Computed color overlays and intensity metrics for reviewing results on the images.
- Manual editing and assessment mode for major features.
- Ability to apply ancillary features to adjust LI-RADS category.
- Automatic computation of final LI-RADS v2018 score.
- Ability to define multiple lesions.
- Help panels available in the interface for easy access to workflow and scoring guidelines.
- Ability to export results in DICOM format or copy and paste them to external reporting solutions.



System requirements

Refer to AW Family applications and platform compatibility matrix.

Indications for use

Liver Suite is an aiding tool for the clinician to review multiphase liver CT images following LI-RADS guidelines. Liver Suite is designed to help analyze liver lesions in patients with known or suspected HCC. It provides optimized series display and a guided workflow to assess relevant clinical features for user-defined observations, to enable computation of a LI-RADS score. It is intended for use by healthcare professionals. The clinician remains ultimately responsible for the final assessment and diagnosis based on state-of-the-art practices, clinical judgment, and interpretation of liver images or quantitative data.

Regulatory compliance

This product complies with the Regulation (EU) 2017/745 of the European Parliament and of the Council on Medical Devices (MDR).

Automatic extraction of LI-RADS major features and prescore is not available in all countries or regions, including the United States. Please contact your sales representative.

➔ Scan the QR code or visit us at gehealthcare.com/products/advanced-visualization



GE HealthCare is a leading global medical technology innovator dedicated to providing integrated solutions to make clinicians more effective, therapies more precise, and patients healthier.

Footnotes:

1. Requires purchase of the appropriate licenses.
2. Automatic extraction of LI-RADS major features and prescore may not be available in some countries or regions.

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LI-RADS is a registered trademark of the American College of Radiology.

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