Hepatic VCAR

Providing automated segmentation and assessment of Liver and Liver Lesions enabling a fast and efficient workflow.
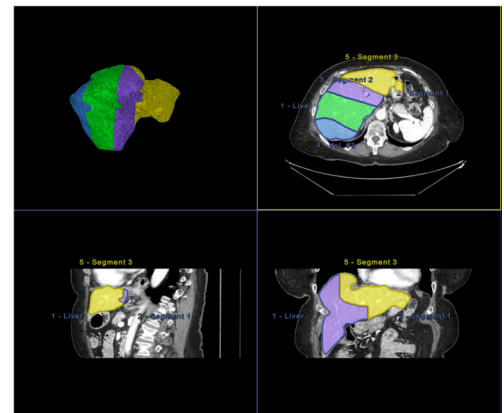
Clinical and Technical Background

Liver disease is a major cause of morbidity and mortality globally. Liver cancer is currently the 3rd most common primary cancer, as well as a common site for metastatic disease. Detection and treatment monitoring of Liver lesions requires measurement and change monitoring tools. In addition planning for surgical resection requires the determination of the volume of liver, liver lobe or a liver segment.
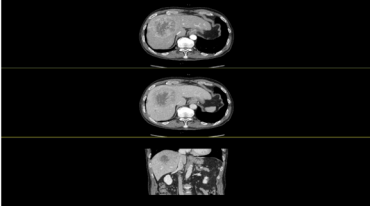
Overview

Hepatic VCAR gives you a complete reading workflow solution for detecting liver lesions with flexibility and performance unlike any other Liver analysis package. With it you can visualize and measure liver, liver segments and liver lesions. Determine tumor burden. Also a full integration with Spectral CT allows for use with GSI data. And the program lets you generate a clear, concise clinical report.
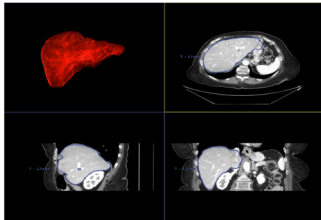
Highlights

- The program allows you to automatically segment the liver.
- Intuitive tools to generate liver segments.
- Intelligent user guided segmentation algorithms to size liver lesions.
- Integration with Spectral CT allows for quantification of Iodine to aid in lesion characterization when used with GSI datasets.

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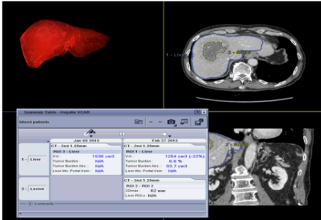aw/application/hepaticvcar

Features

- Automated detection of Portal Venous phase driving liver segmentation.

- Intuitive user guided intelligent lesion segmentation.
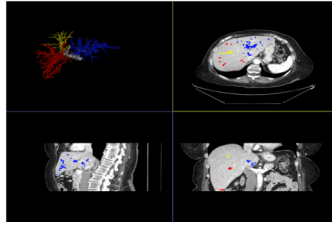- Built-in lesions overlap detection and avoidance.

- Tumor burden calculations linked to segment, lobe or whole liver.

- Efficient management of lesions and tumor burden for longitudinal exams.

- Intuitive editing tools for quick and easy refinements if needed.
- Volume rendered visual depiction of the lesion and liver along with liver lobes, liver segments and portal vein for longitudinal comparison.

- A selection of application-specific tools ensures ease of use and thorough exams.
- Your workflow benefits from fast, interactive electronic patient reporting.

System Requirements
Minimum platform release:
- AW Workstations 4.7 and AW Server 3.1

Intended Use

Hepatic VCAR (Volume Computer Assisted Reading) is a post CT scan analysis software package designed to assist radiologists and other clinicians in the detection, diagnosis, treatment planning, and monitoring of Liver disease.

Regulatory Compliance
This product complies with the European CE marking regulation following Medical Devices Directive: Directive 93/42/EEC.

Reference
GE would like to thank Service d'imagerie Médicale CHU Henri Mondor, Université Paris Est Créteil, APHP France, for all their help in evaluating this product.

GE imagination at work

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