

Provide actionable insights into lung function



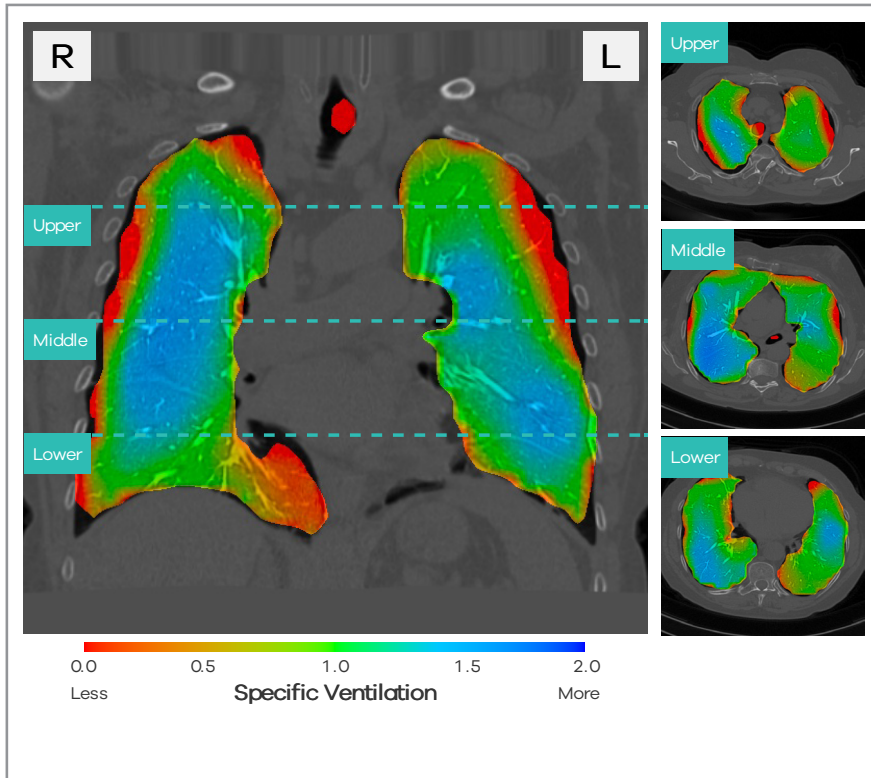
Functional Lung Imaging

The XV LVAS (X-ray Velocimetry Lung Ventilation Analysis Software) Ventilation Report delivers information about lung function not available via other modalities. It quantifies regional lung ventilation from fluoroscopic lung images and outputs an easy-to-interpret report that includes 4D visualizations. Areas of high and low ventilation are highlighted and ventilation heterogeneity—a recognized indicator of lung health—is quantified.

Highlights

- Regional quantification of lung function, including Lung Volume, Ventilation Heterogeneity (VH) and Ventilation Defect Percentage (VDP)
- Easy-to-read visualization of regional lung ventilation
- Insights into lung function to better characterize and quantify respiratory conditions and symptoms
- Non-contrast imaging

XV LVAS Ventilation Report



Lung Function Assessed in 4D

Making use of existing hospital imaging equipment, our patented XV Technology provides a four-dimensional (3D plus time) view of the lungs.

The report visually presents regional ventilation as color heat maps overlaid onto the patient's CT chest scan. This provides a convenient correlation between function and structure.



Click or Scan to watch videos



What is XV LVAS imaging?

What is an XV LVAS Ventilation Report?

The XV LVAS Ventilation Report quantifies lung function into key metrics

Tidal Volume

0.7 L

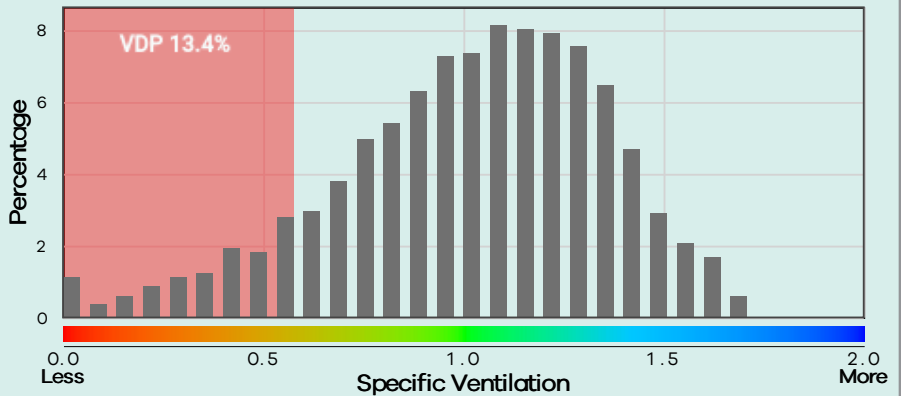
Ventilation Heterogeneity

SMALL SCALE TOTAL LARGE SCALE
28.3 47.0 23.5

Lung volume

- Tidal Volume

The frequency distribution of regional specific ventilation measured across the entire lung at peak inspiration.



Regional Lung Function

- Specific Ventilation
- Ventilation Heterogeneity
- Ventilation Defect Percentage
- Regional Ventilation Visualization Maps