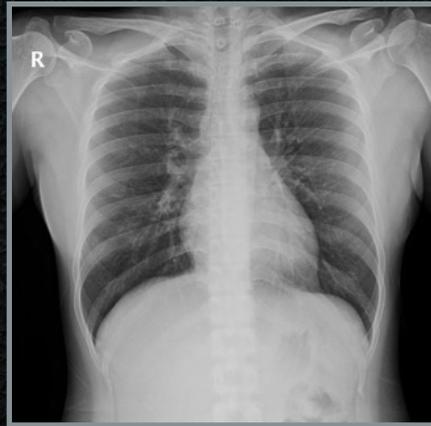


Quantify your X-ray

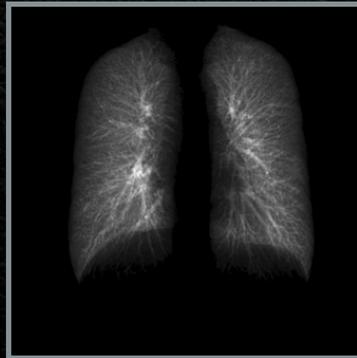
X-ray based disease quantification
& treatment monitoring AI solution



Chest X-ray

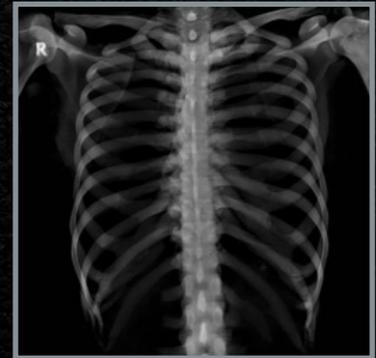


Soft Tissue



Lung

(Pneumonia 0; 3D volume: 3.51L)



Bone

A Revolutionary Advancement Propelling Thoracic Care into a New Dimension

Harnessing the power of a single Chest PA X-ray, TiSepX expertly visualizes and quantifies organs, including lungs, bones, and vessels, delivering unparalleled precision in diagnostic information.

Beyond conventional PFT tests and screenings, TiSepX equips medical professionals with the tools to monitor disease progression in real-time.

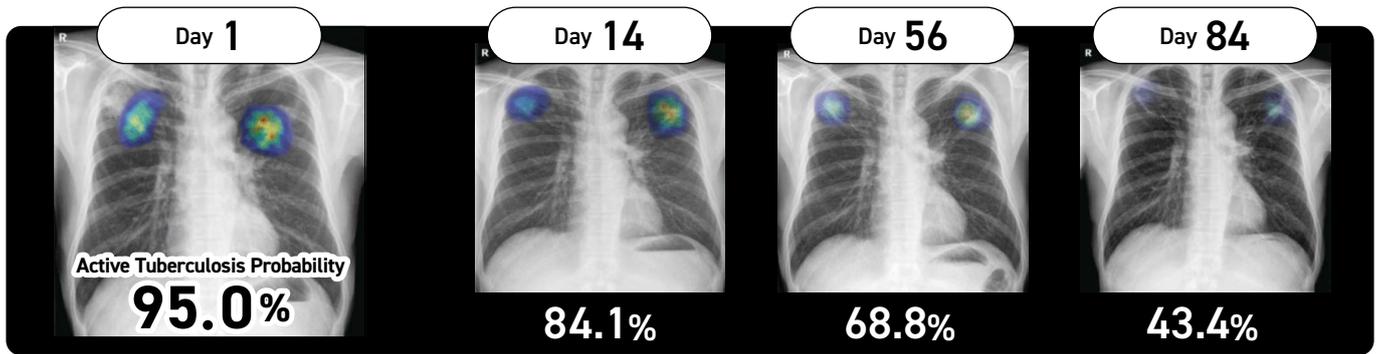
Transform your approach to thoracic care with the cutting-edge capabilities of TiSepX.



Inquiry

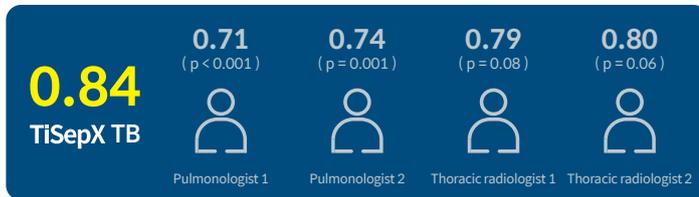
TiSepX TB (Tuberculosis)

Monitoring Solution for the Progress of Treatment beyond TB Infection Screening



AUC Comparison of Randomly Selected Pre- and Post-treatment Radiographs

<TiSepX TB & Human Expert>



Seowoo, Lee et al, "Deep Learning to Determine the Activity of Pulmonary Tuberculosis on Chest Radiographs," Radiology, 2021;301(2):435-442.

Evaluating Tuberculosis Activity Levels

Experience the ability to precisely quantify TB activity levels, enabling the formulation of tailored anti-TB treatment strategies for enhanced patient outcomes.

Optimal Pathological Monitoring Solution

Utilize a cutting-edge solution for the accurate tracking of disease progression and therapeutic response, ensuring optimal patient management in the face of pathology.

TiSepX Lung Volumetry MFDS

An Alternative to Plethysmography and PFT

Full Inspiration



Lung Volume = 6.28 L

Forced expiration in 1 second



Lung Volume = 5.33 L

Full Expiration



Lung Volume = 4.28 L

Tissue Analysis from X-ray Images

Chest X-rays enable the automatic identification of structural components, such as lungs, facilitating quick interpretation and diagnosis.

Quantifying Lung Lesions

By analyzing only X-rays, quantitative data on total lung volume is obtained without the need for PFT, plethysmography, or additional CT scans.

Diagnosis of Conditions, Including Interstitial Lung Disease

Lung volume analysis results from elderly patients or those with limited physical abilities due to difficulties in physical examination can be utilized for diagnosing diseases such as interstitial lung disease.