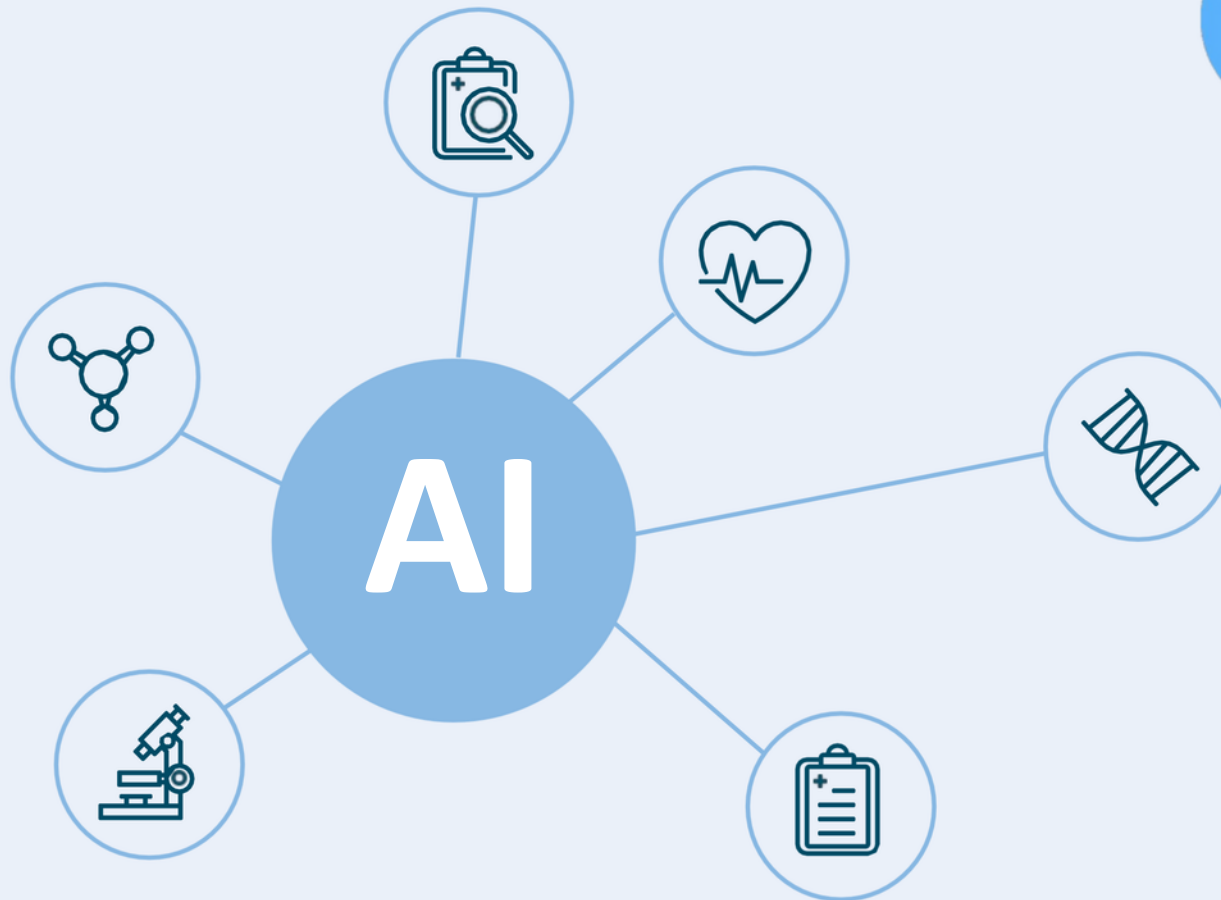




DIAGNOSTIC ASSISTANCE IN THORACIC PATHOLOGIES

Design and marketing of artificial intelligence algorithms for image and clinical data analysis.

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REGULATORY

ENS

ISO 13485, 27001, 9000

EC DECLARATION OF CONFORMITY IN
ACCORDANCE WITH THE MEDICAL DEVICES
DIRECTIVE 93/42/EEC AND ITS AMENDMENT
2007/47/EC

HL7 FHIR



AN UNMET CLINICAL NEED

quantusTX is a non-invasive, fast, reliable, and easy-to-use test for the automatic detection of **pathologies** detected in **chest X-rays**, such as atelectasis, consolidation, and pneumothorax.

quantusTX has been designed as a tool to assist clinicians by providing an automatic assessment of chest X-rays.

Simply analyzing the X-ray will yield results for the three pathologies.

*Table with the SENS and SPEC
results of our tool*

	Sensibility	Specificity
Atelactasis	86.5	73.8
Consolidation	89.8	82.0
Pneumotorax	86.9	84.8
Efusion	93.0	89.5



NON-INVASIVE



SAFE



FAST



COMPATIBLE

How to use quantusTX?



1.Acquire the X-rays



**2.Upload the images to
the web application**



3. Obtain the results

Step 1: Acquire lung X-ray

quantusTX requires a DICOM format X-ray taken using radiological equipment with an anterior-posterior (AP) or posterior-anterior (PA) position. A simple guide is available within the application that shows how to perform these acquisitions.

How to use quantusTX?

Step 2: Use the web application to analyze the images.

This application is a simple tool that allows you to send the image you want to analyze to the system. To do this, just follow three simple steps to complete the analysis:



Upload

Upload images to the web



Select

The images you want
to analyze



Send

The sample to be analyzed



Step 3: Get the results of the application in a few minutes with a results report.

When to use quantusTX

quantusTX has been designed for the automatic detection of pathologies in chest X-rays, such as atelectasis, consolidation, pneumothorax and efusion. This intuitive web application allows specialists to upload X- ray images quickly and easily.

Patient Focus: With a commitment to the population with lung problems, quantusTX is essential for early detection, screening of patients with risk factors, and prioritization of waiting lists, contributing to more effective care.

Advanced Technology: Based on the analysis of anterior-posterior (AP) or posterior-anterior (PA) X- rays, quantusTX classifies images and determines the probability of various pathologies, ensuring a quick and accurate assessment.

Results in Minutes: In a matter of minutes, quantusTX automatically analyzes areas of the lung that may be pathological, providing reliable results that facilitate clinical decision-making.



Why does quantusTX work?

Automated **support tools** are essential in modern medicine, enabling accurate results with minimal physician intervention. quantusTX stands out as an innovative method that uses state-of-the-art deep learning for the detection of lung pathologies.

quantusTX **identifies** specific **patterns** in images and assesses the severity risk of pathologies, providing critical information for physicians to make quick and informed decisions.

Recent studies have shown that **deep learning** models can achieve high accuracy in identifying conditions such as atelectasis and consolidation by effectively analyzing X-rays. These models also offer quantitative comparisons of performance across different populations, ensuring reliable diagnoses.



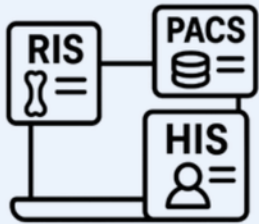
An unlimited experience



Unrestricted 24-hour **access**: With an internet connection, you can use quantusTX and review results anytime, anywhere.



No requires installation: or download of any type of software



Our service enables seamless integration between **HIS**, **RIS**, and **PACS** systems, optimizing clinical work and ensuring centralized and secure access to medical information.



High compatibility: quantusTX is compatible with most web browsers as well as devices used in primary care practice.



RESTful web services: Compatible with HL7 FHIR



Pay-per-use: Pay only for each analysis you request

Our partners





Developing tomorrow's medical technologies
today