



DIAGNOSTIC AID FOR CHEST DISEASES

- ✓ 100% non- invasive
- ✓ Results reliable in 10 minutes
- ✓ Excellent Sensitivity and Specificity

AN UNMET CLINICAL NEED

quantusTX facilitates diagnosis by automatically detecting pathologies such as atelectasis , consolidation, and pneumothorax. It offers fast and accurate care. Trust quantusTX to take care of your lung health!

The impact of pathologies detected in chest X-rays is significant, with social and personal costs that threaten to overwhelm our health systems.

quantusTX :

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

- **Non-invasive** : quantusTX It is based on the analysis of chest X-rays , thus avoiding the need to use an invasive technique .
- **Fast** : quantusTX generates accurate results in just a few minutes.

Table with the SENS and SPEC results of our tool

	Sensitivity*	Specificity*
Atelectasis	86.5	73.8
Consolidation	89.8	82.0
Pneumothorax	86.9	84.8

* Specificity : probability that the test will identify as not sick someone who is not actually sick.

*Sensitivity: probability that the test will identify as sick someone who is actually sick.

HOW TO USE quantusTX ?

Wear quantusTX is easy , only requires 3 simple steps steps :



1. Acquire the chest X-rays



2. Upload to the web application



3. Get the results

Step 1: Acquire lung x-ray

quantusTX requires an X-ray in DICOM format captured through a team radiological acquisitions with an anterior-posterior (AP) or posterior-anterior (PA) posture . A simple guide is available within the application that shows how to perform these acquisitions.



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

This application is a simple tool that allows you send to the system the image that you wants analyze . To do this , you only have that continue three simple steps for complete the analysis :



Subir

Image in DICOM



Seleccionar

The image desired
to be analyzed




Enviar


The sample to be
analyzed

Step 3: Get the application result in a few minutes.

Test RX tórax




Version: 3.0



Información de la Paciente y del Proveedor

PATIENT NAME: CARLOS MARTÍNEZ FERNÁNDEZ	CLINIC: H. RAMÓN Y CAJAL
PATIENT ID: PAT-001.004	REFERER/ORDER CLINICIAN: Dr. Manuel Perales
QUANTUSOS ID: TRANS-1230	REPORT DATE: 20/04/2024 12:30

Información de la muestra



Resultado del Test

quantusTX ID: **TRANS-1**

RIESGO DE ATELECTASIA:
72%

RIESGO DE CONSOLIDACIÓN:
5%

RIESGO DE NEUMOTÓRAX:
12%

X-ray ACQUISITION DATE:
(dd/mm/yyyy) **03/11/2023**

REQUEST DATE: (dd/mm/yyyy hh:mm)
03/11/2023 17:42

Consideraciones clínicas

quantusTX™ está entrenado con imágenes RX de vista AP de tórax. La inclusión en el análisis de otras vistas podría afectar el resultado, por lo que no debería tenerse en consideración. Consulte la guía de adquisición para más detalle.


	UMBRAL DE RIESGO*	SENS	SPEC	VPP	VPN
Atelectasia	40.0%	86.5%	73.8%	76.6%	84.7%
Consolidación	14.8%	89.8%	82.0%	82.4%	89.5%
Neumotórax	61.2%	86.9%	84.8%	84.9%	86.8%

Umbral del Riesgo: Umbral de positividad del porcentaje de riesgo en el que se dan los valores de SENS, SPEC, ... indicados. Sens: Sensibilidad Spec: Especificidad VPP: Valor predictivo positivo VPN: Valor predictivo negativo

TEST DESCRIPTION: quantusTX™ ofrece una valoración automática del riesgo de atelectasia, consolidación o neumotórax a partir del análisis cuantitativo de las texturas de una imagen de RX anteroposterior de tórax. La calidad de la imagen y la adquisición son relevantes y se deben obtener considerando los requisitos del producto. En caso de duda o consulta sobre este informe puede ponerse en contacto con TRANSMURAL BIOTECH a través de la dirección de email support@quantustx.org

quantusTX™ es un producto sanitario que cumple con la legislación vigente. Se considera quantusTX™ únicamente para el uso en investigación clínica y no para el uso clínico. quantusTX™ ha sido desarrollado por Transmural Biotech, 865084675, C/Juan Ignacio Luca de Tena 12, 28027 Madrid España. En virtud del Reglamento (UE) 2016/679 relativo a la protección de las personas físicas en lo que respecta al tratamiento de datos personales, le informamos que Transmural Biotech es el encargado de tratamiento de sus datos con el fin de ofrecerle el tratamiento sanitario. Usted puede ejercer sus derechos de acceso, rectificación, supresión y portabilidad de datos y oposición y limitación a su tratamiento ante Transmural Biotech SL, en la dirección de correo electrónico dpd@transmuralbiotech.com

Autorizado por



Authorized by:
Transmural Biotech S.L.

WHEN TO USE quantusTX

Introducing quantusTX : Your Ally in the Automatic Detection of Lung Diseases

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

Results in Minutes: Within minutes, quantusTX automatically analyzes areas of the lung that may present pathology, providing reliable results that facilitate clinical decision-making.

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

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

Don't wait any longer! Improve care in your practice with quantusTX and offer your patients the quality they deserve. Lung health is just a click away!



AN EXPERIENCE WITHOUT LIMITS

- ✓ **24/7 unrestricted access:** QuantusTX can be used via an internet connection . and check the results at any time and from anywhere.
- ✓ **No installation required :** no download of any type of software.
- ✓ **Great compatibility:** quantusTX It is compatible with most web browsers as well as devices used in ophthalmology, optometry, and primary care practices.

quantusTX OFFER A STOP ECONOMIC

- ✓ **Does NOT require investment initial in infrastructure !**
- ✓ **Payment by use : Pay only for each analysis that request !**
- ✓ **Contribute further value to its clinic and increases their benefits !**



WHY DOES **quantusTX** WORK ?

Discover quantusTX : The Revolution in Automated Pulmonary Diagnostics

Automated support tools are essential in modern medicine, enabling accurate results with minimal physician intervention. **QuantusTX** stands out as an innovative method that uses cutting-edge deep learning to detect lung pathologies.

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.

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

With **quantusTX**, you can improve the quality of diagnosis in your practice and offer your patients the care they deserve. Lung health is within your reach!

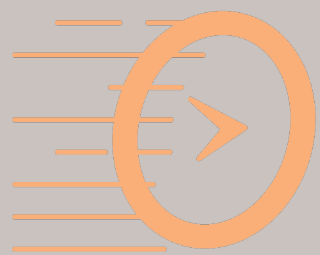




Effective



Reliable



Fast

**If you want to try it
Contact us!**



Email: sales@transmuralbiotech.com

 **quantustb**  **TRANSMURAL BIOTECH**



**TRANSMURAL
BIOTECH**

 **+34 931 190 929**  **+34 626 667 989**

**Transmural Biotech SL, CIF: B65084675.
C/Juan Ignacio Luca de Tena 12, 28027 Madrid, Spain**