pulmonX®

# About StratX® Post-treatment Reports

## Overview, Process, and FAQ

Post-treatment reports are an important tool to optimize the outcomes of Zephyr Valve procedures.

**A StratX Post-treatment Report can be used to:**

- Confirm valve placement
- Identify occluded and non-occluded airways
- Quantify target lobe volume reduction (TLVR)

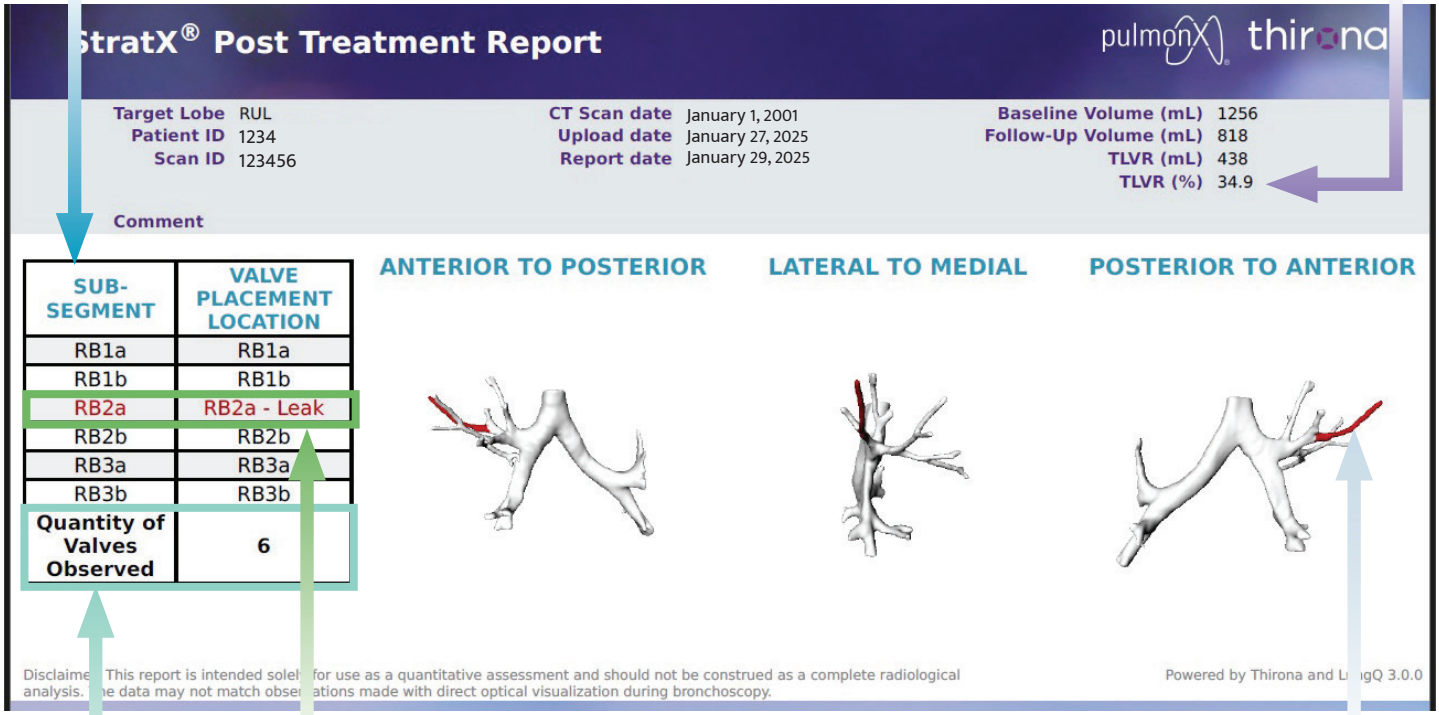
# Post-treatment Report Overview

## Scenario 1

This patient has received a TLVR of 34.9%, a total of 6 valves are observed, and a leak is identified around the valve placed in RB2a. This leak is highlighted in red on both the table and 3D rendering of the patient's airway.

Table provides a list of all sub-segments present in the target lobe and the airways in which valves are observed.

Target lobe volume reduction information




A leaking valve or unoccluded airway is highlighted in red

Unoccluded airways are highlighted in red in the 3D rendering

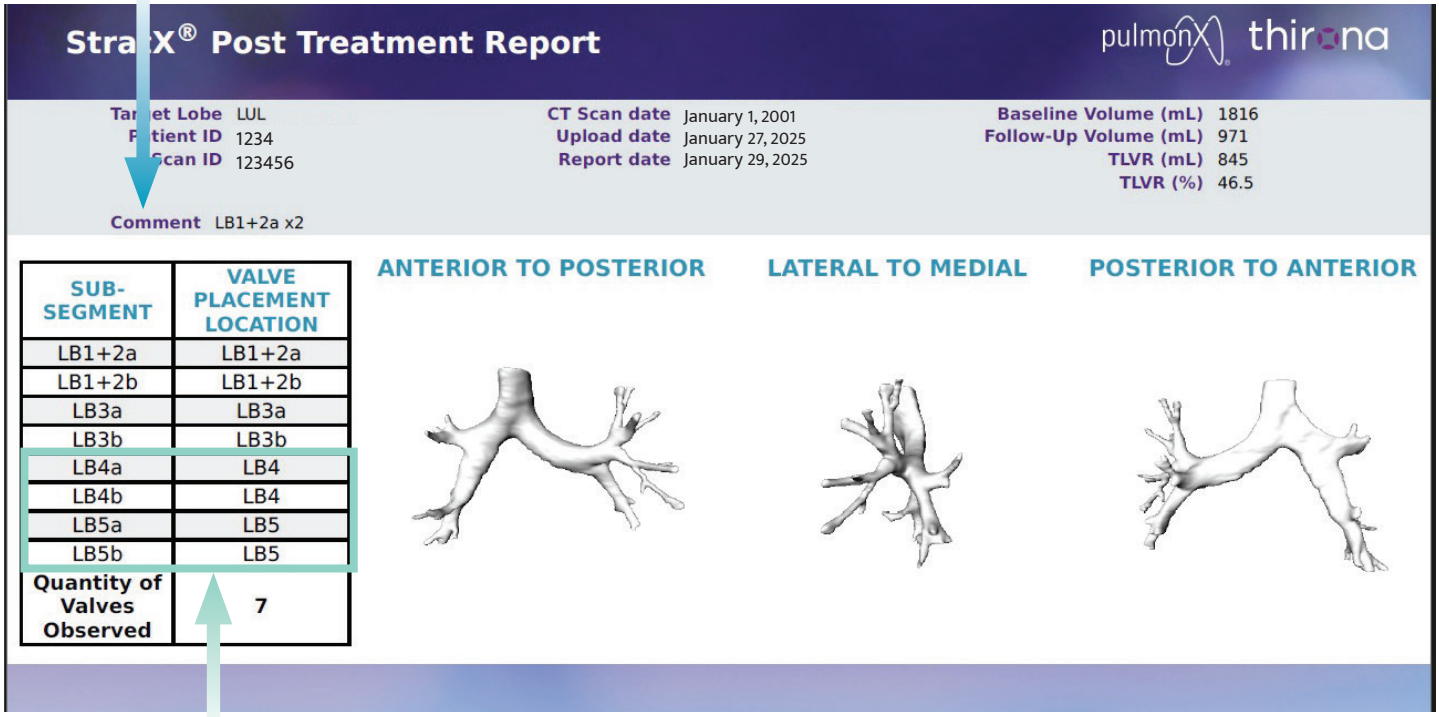
Total number of valves observed in the treated lobe

# Post-treatment Report Overview continued...

## Scenario 2

This patient has received a TLVR of 46.5%, a total of 7 valves are observed, and no leaks or unoccluded airways are identified. Post-reports are based on CT imaging and may not identify all leaks or unoccluded airways. Findings may not match observations made with direct visualization during bronchoscopy.

Comment indicates there are 2 valves present the LB1+2a subsegment




The LB4a+b and LB5 a+b subsegments are occluded by valves placed proximally in the LB4 and LB5 segments

# Post-treatment Report Overview continued...

## Scenario 3

This patient has received a TLVR of 100%. In this case an analysis of valve position is not performed, as a retrospective analysis found that in instances when TLVR is ≥ 70%, post-treatment reports were unlikely to identify a leaking valve or unoccluded airway.

Comment indicates TLVR is > 70%

Target lobe volume reduction information

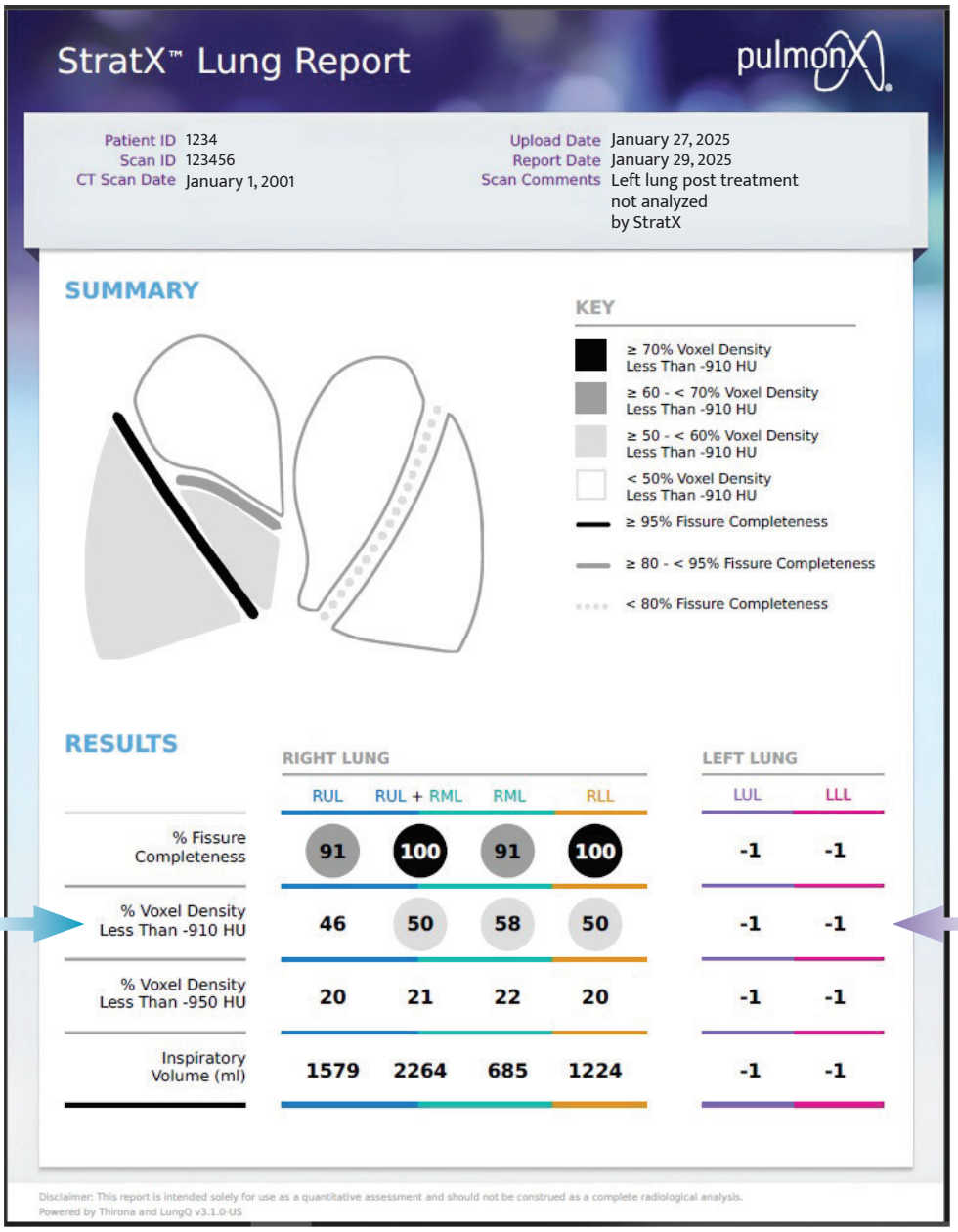



The valve placement table and 3D airway renderings are intentionally excluded

# Post-treatment Report Overview continued...

## Scenario 4

A CT with valves observed in the left lung was uploaded via the baseline StratX® Report request workflow. In this case, baseline report data is provided for the untreated right lung, and null values (-1) are shown for the treated lung.
A baseline CT is required to produce a post-treatment report, and the post-treatment CT must be uploaded via the correct workflow detailed in the following section of this document.



StratX™ Lung Report

pulmonX

Patient ID 1234
Scan ID 123456
CT Scan Date January 1, 2001

Upload Date January 27, 2025
Report Date January 29, 2025
Scan Comments Left lung post treatment not analyzed by StratX

SUMMARY

KEY

≥ 70% Voxel Density Less Than -910 HU
≥ 60 - < 70% Voxel Density Less Than -910 HU
≥ 50 - < 60% Voxel Density Less Than -910 HU
< 50% Voxel Density Less Than -910 HU
≥ 95% Fissure Completeness
≥ 80 - < 95% Fissure Completeness
< 80% Fissure Completeness

RESULTS

| | RIGHT LUNG | | | | LEFT LUNG | |
|---|---|---|---|---|---|---|
| | RUL | RUL + RML | RML | RLL | LUL | LLL |
| % Fissure Completeness | 91 | 100 | 91 | 100 | -1 | -1 |
| % Voxel Density Less Than -910 HU | 46 | 50 | 58 | 50 | -1 | -1 |
| % Voxel Density Less Than -950 HU | 20 | 21 | 22 | 20 | -1 | -1 |
| Inspiratory Volume (ml) | 1579 | 2264 | 685 | 1224 | -1 | -1 |

Disclaimer: This report is intended solely for use as a quantitative assessment and should not be construed as a complete radiological analysis.
Powered by Thirona and LungQ v3.1.0-US

Baseline report data provided for untreated right lung

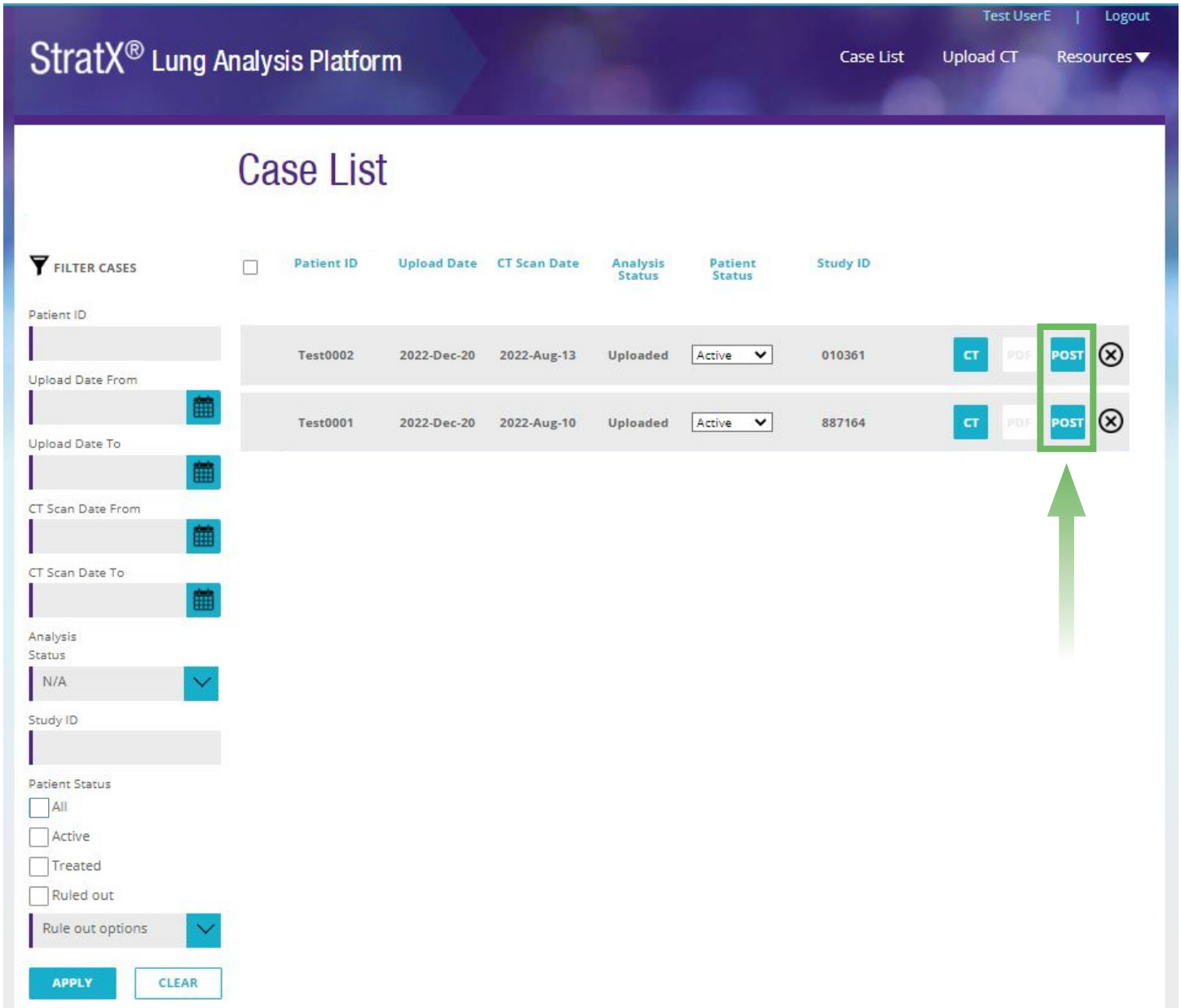
Null values provided for the treated left lung

# StratX® Post-report Request Process & Frequently Asked Questions

## Post-report Request Process

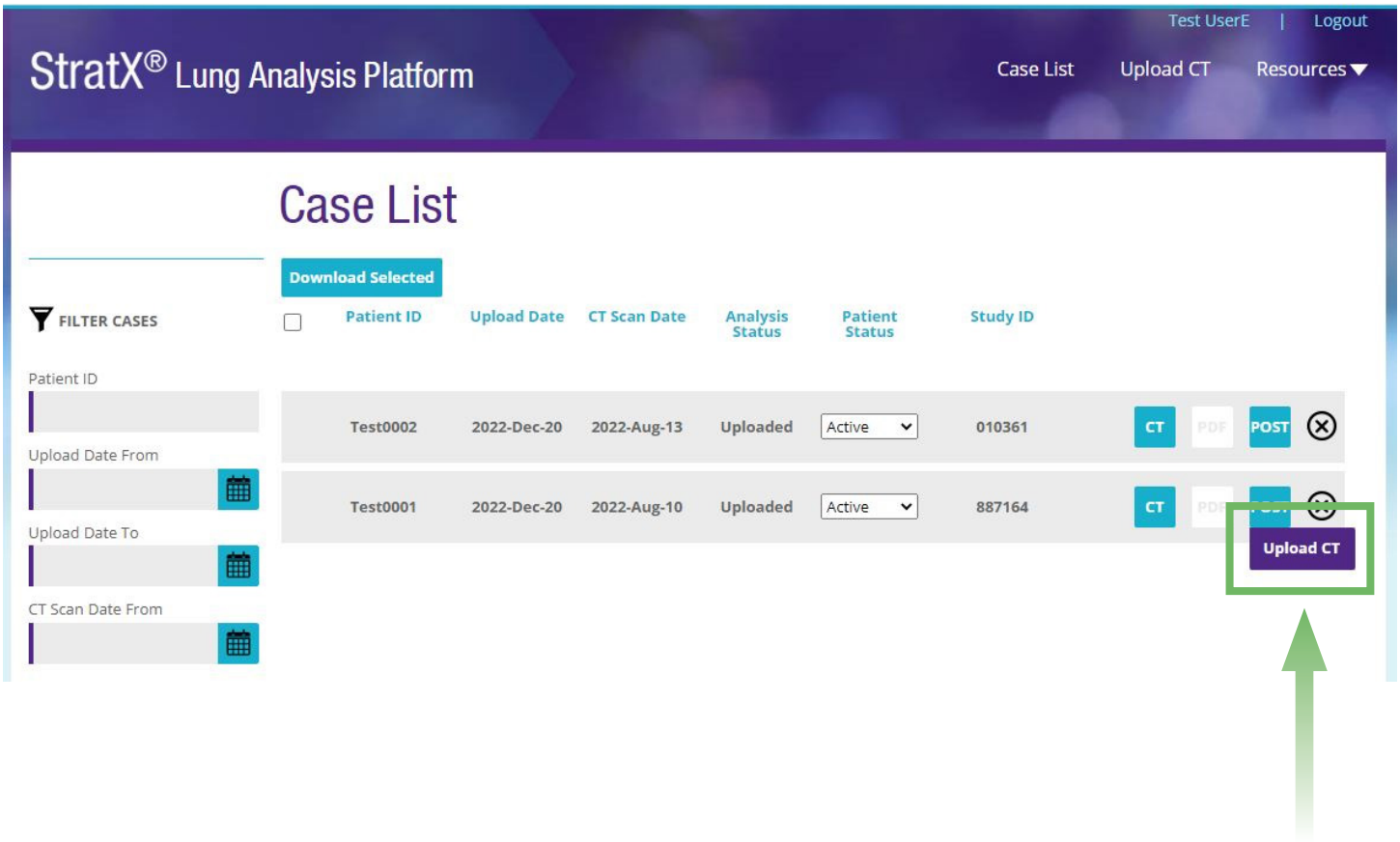
### Step 1

Login to your LungTraX™ account and locate the baseline case for which you would like to request a post-report. Baseline cases now have a “POST” button attached to the record.



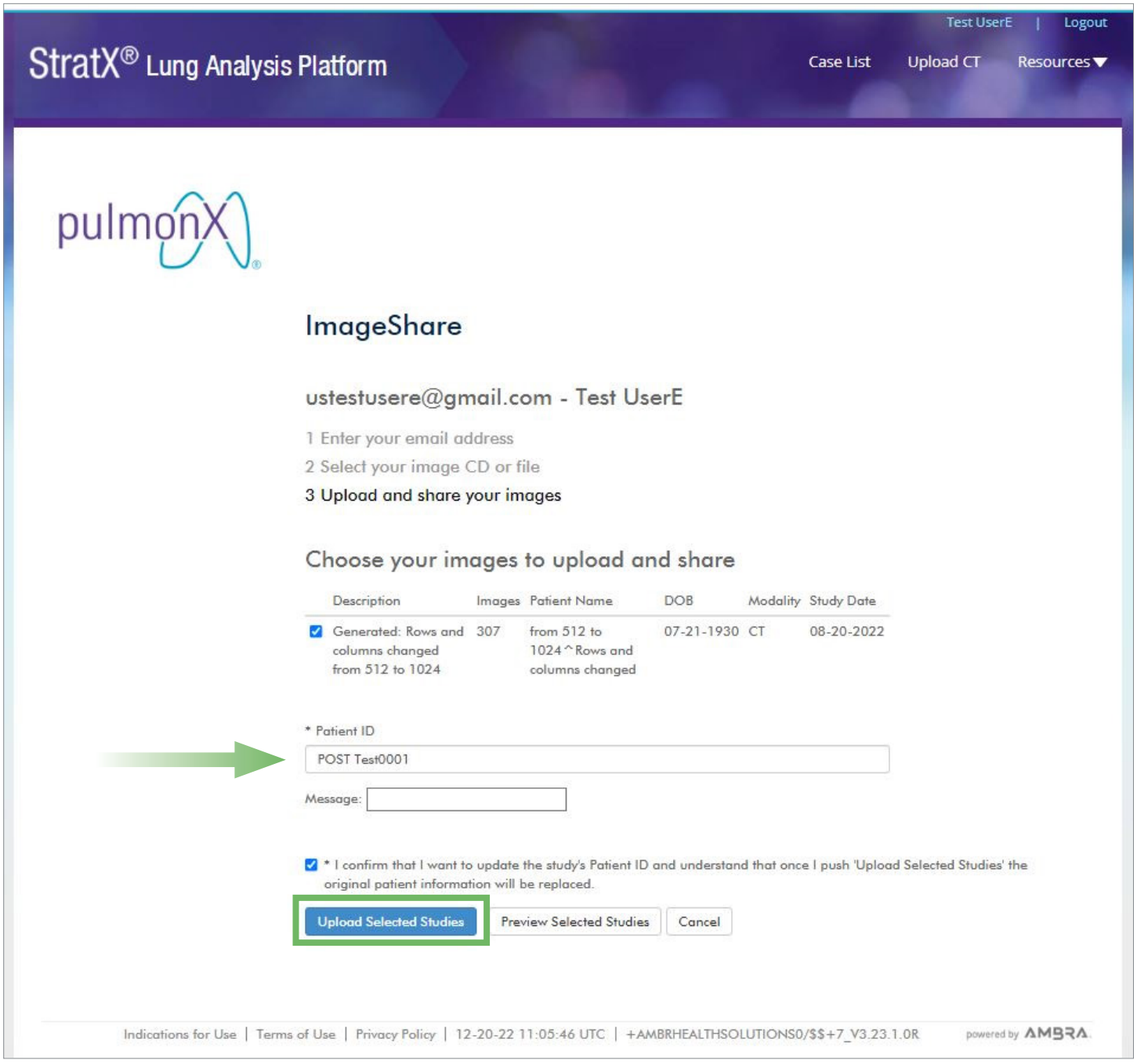
## Step 2

Hover over the “POST” button and select “Upload CT”.



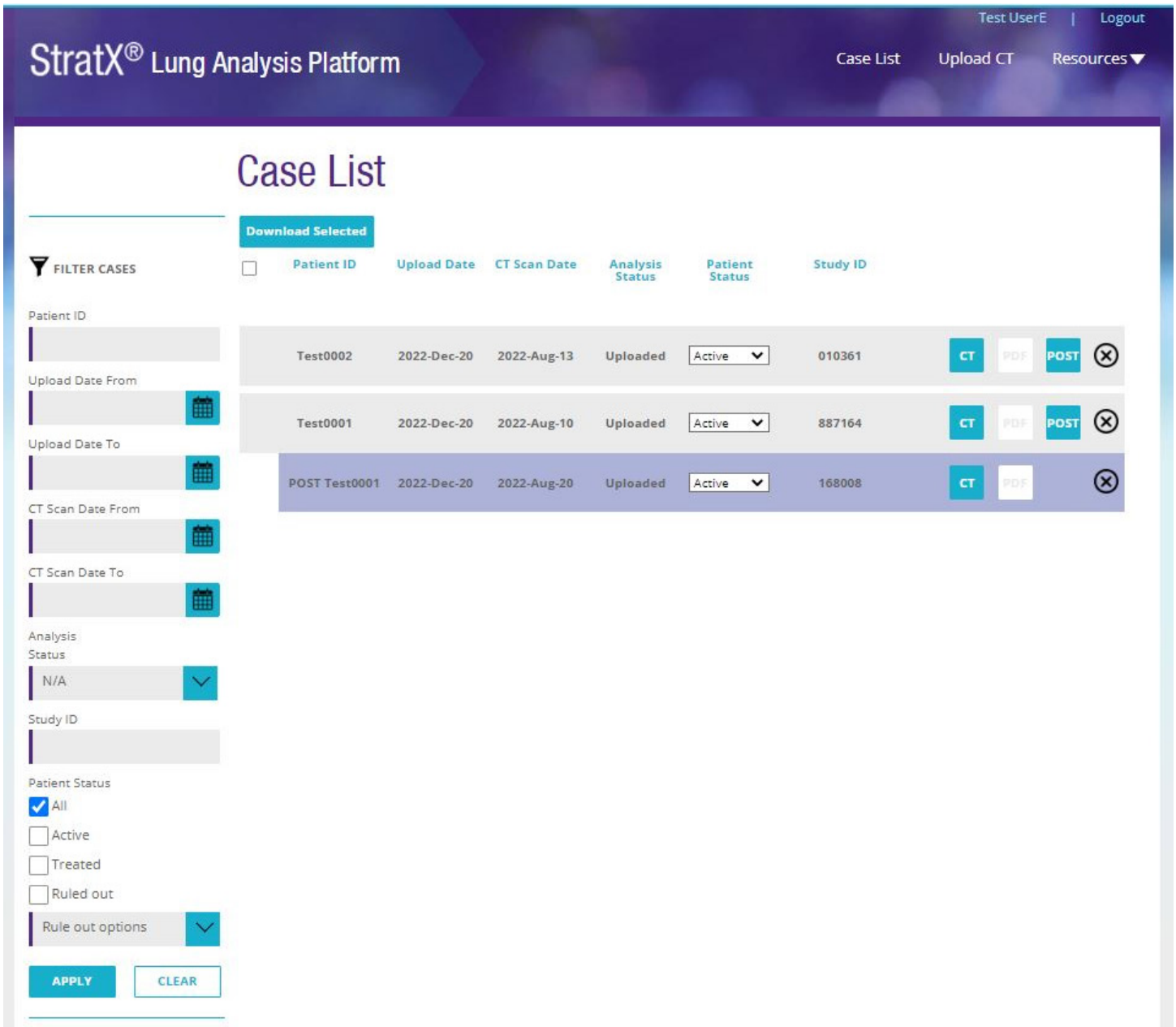
## Step 3

Follow the instructions to select a CT scan for upload. Once you have selected a scan the LungTraX™ platform will automatically append “POST” to the existing patient ID.



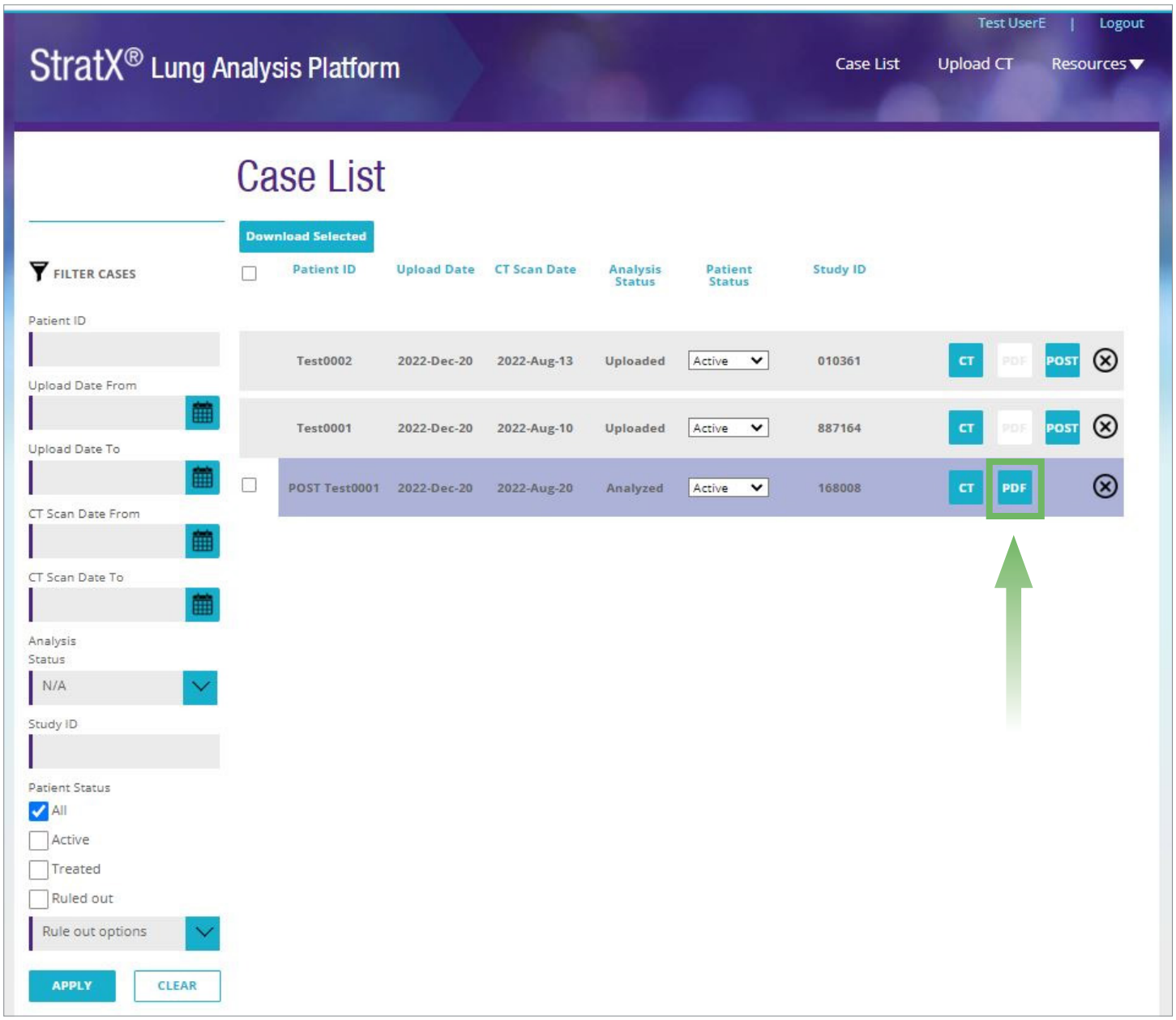
## Step 4

When you return to the Case List you will see a case highlighted in purple below the baseline case, representing your post-report request.



## Step 5

When you receive an email alert from LungTraX™ Platform that your post-report is complete, log into the system, locate the post-report case, and click “PDF” to download the report.



# Frequently Asked Questions

## 1. What are the required CT parameters for a post-treatment report?

CT parameters for post-treatment reports are identical to those for baseline reports. Please refer to the StratX® Report CT parameters guidelines for more detail.

## 2. When can I expect to receive a post-report after upload?

Please allow 5 - 7 business days after the date of upload to receive a post-treatment report.

## 3. What if I do not have a baseline report for a patient in LungTraX Platform? How do I request a post-report?

A baseline CT is required to generate a post-treatment report. If a CT with valves present is uploaded through the baseline report workflow, a report with baseline data only for the untreated lung will be provided. See Scenario 4 earlier in this document for more information.

## 4. A patient's baseline StratX report was created using another institution's LungTraX account. Can Pulmonx transfer this baseline report to my LungTraX account?

No, Pulmonx is not authorized to share patient data between accounts or institutions. Please obtain the baseline CT scan and upload it to LungTraX Platform, and then follow the post-report upload workflow.

## 5. I received a post-report that only includes Target Lobar Volume Reduction (TLVR) data, but no information on the presence or seal-quality of the Zephyr® Valves. Is data missing from my report?

When StratX Report measures a TLVR of ≥ 70%, an abbreviated "TLVR only" post-report is provided. Retrospective analysis of post-report data found no missing or misplaced valves in patients with ≥ 70% TLVR.

## 6. Can I get a post report when non-Zephyr® Valves were used to treat a patient?

Post-reports will only be generated when at least one Zephyr Valve is present in the CT scan.

If there is a combination of Zephyr and non-Zephyr Valves present in the scan, the post-report will provide the following information:

- **Zephyr Valves:** Valve presence and seal-quality
- **Non-Zephyr Valves:** Valve presence only, no analysis of seal-quality

If there are only non-Zephyr Valves present in the scan, the post-report request will be rejected.



**Pulmonx International Sàrl**
Avenue de la Gare, 2
2000 Neuchâtel, Switzerland
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EUR-EN-2698-v1