

Interpreting the AI Findings:

Confidence Bar

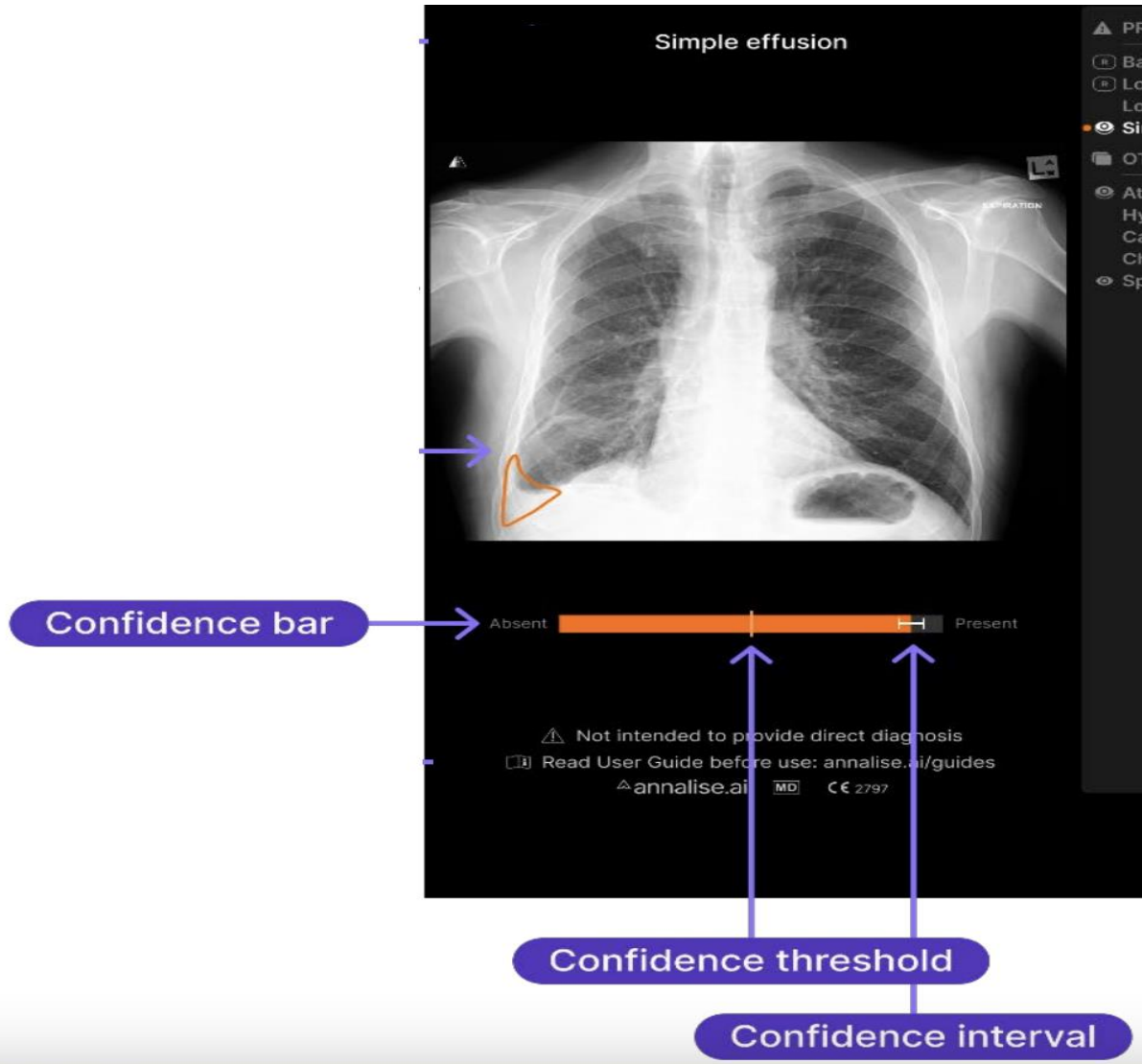
The Confidence bar provides a visual indication of the likelihood that a particular finding is present i.e. a **true positive**. It enables you to see the relationship between the Confidence threshold and the 95% Confidence interval.

Confidence Threshold

The Confidence threshold is the score below which the AI model is no longer confident that a finding is present.

Confidence Interval

The 95% Confidence Interval is a fixed number that's added to or subtracted from the calculated confidence score. It indicates the probability of the AI model reporting a **false positive** (i.e. not actually present in the image).



Higher confidence

indicates a finding is likely present i.e. a **true positive**

Lower confidence

indicates a finding may be present i.e. potentially a **false positive**

Confidence level	Interpretation
Higher confidence	<ul style="list-style-type: none"> The prediction score is above the confidence threshold The confidence interval is above the confidence threshold The finding is most likely present in the study
Lower confidence	<ul style="list-style-type: none"> The prediction score is above the confidence threshold The lower border of the confidence interval is below the confidence threshold The finding may be present in the study

Case One: a high confidence finding

2/5 2 Localised 0 Non-Localised CXR 3 Nov 2023 1:04:02 am (UTC)

Simple pneumothorax

▲ PRIORITY

- Simple pneumothorax
- Acute rib fracture

EXPIRATION

Absent Present

Prediction score and Confidence Interval has well-exceeded the Confidence Threshold, indicating the finding of simple pneumothorax is likely present.

Case Two: a low confidence finding

Simple pneumothorax

AP ERECT

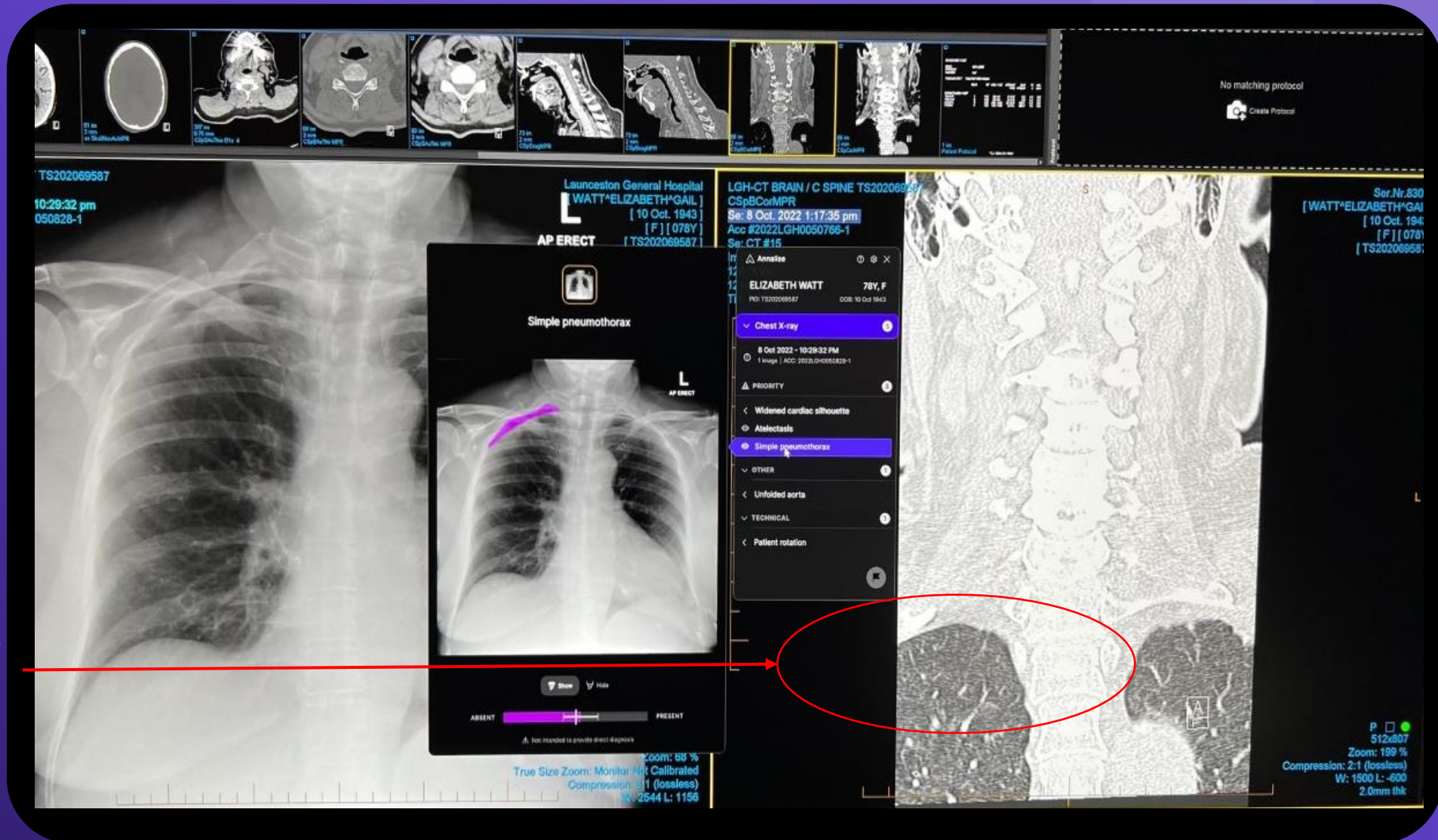
- ▼ Chest X-ray
- ▲ PRIORITY
- < Widened cardiac silhouette
- ⊙ Atelectasis
- Simple pneumothorax
- ▼ OTHER
- < Unfolded aorta
- ▼ TECHNICAL
- < Patient rotation

ABSENT PRESENT

⚠ Not intended to provide direct diagnosis

Lower margin of Confidence interval crossing below threshold, indicating the finding of simple pneumothorax may be a **false positive**.

Case Two: a low confidence finding



No pneumothorax seen on follow up CT imaging - confirmed false positive finding