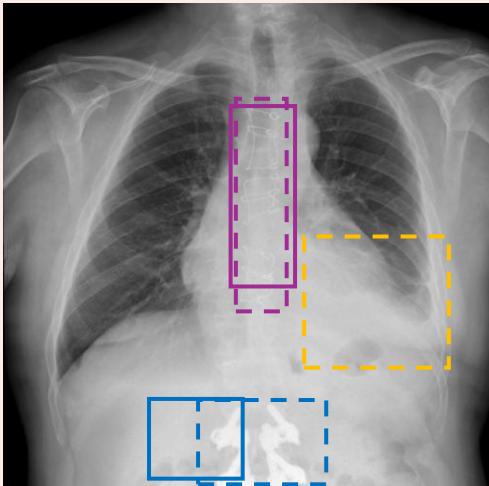


# RadGame Localize

## User Annotation



- Draw Findings
- Atelectasis
- Postoperative change
- Suture material

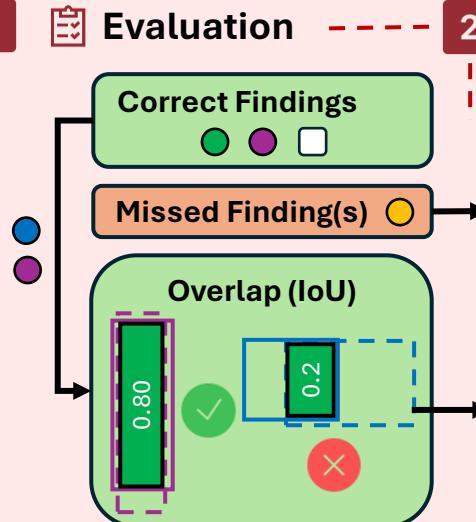
### Bounding Box



- Select Findings
- Pleural effusion

1

## Evaluation



## AI Explanation



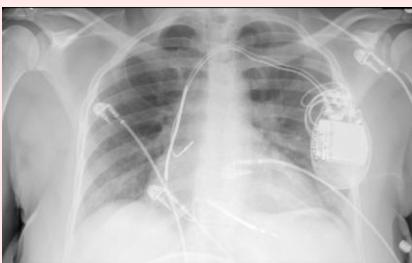
3

"The left lung base appears denser than the right lung base, suggesting increased opacity. This increased density is likely due to atelectasis, a collapse of lung tissue."

"The bounding box shows metallic implants in the lower spine from prior surgery. These appear as screws and rods used to stabilize the spine."

# RadGame Report

## User Report Writing



### User Report

The heart is **severely<sup>1</sup>** enlarged, consistent with cardiomegaly. A faint **left lower lobe infiltrate<sup>2</sup>** is suggested, though no pulmonary edema is seen. **Dual lead ICD device<sup>1</sup>** is noted with leads in the right atrium and right ventricle. **Mild basilar atelectasis<sup>2</sup>** is present.

Age: 53  
Indication: Chest pain

Correct Finding

Incorrect Finding

1

## Evaluation



## AI Feedback

3

CRIMSON Score

Ground Truth Report

Summary

Errors (by Type)

Missing Findings

Location Errors

False Positive Findings

Severity Misassessment

Style Score

Systematic

Language

## Feedback Example

CRIMSON Score: 50%

Style Score: 75%

$$\frac{2 \text{ (Correct Findings)}}{2 \text{ (Correct Findings)} + 2 \text{ (Incorrect Findings)}}$$

### Ground Truth Report

There is borderline cardiomegaly. There is no acute infiltrate or edema. **Dual lead ICD** is noted with leads in the right atrium and right ventricle. **Mild basilar atelectasis** noted.

### Summary

The report introduces an additional finding—left lower-lobe infiltrate—constituting a false positive. The candidate upgrades the degree of cardiomegaly from "borderline" (reference) to "severely enlarged," representing a misassessment of severity.

Errors

False Positive Findings

Reports a faint left lower-lobe infiltrate that is not present in the reference (false positive infiltrate).

Severity Misassessment

Describes cardiomegaly as 'severely enlarged' whereas the reference calls it 'borderline'.

Recommendations

Systematic Evaluation

Add a description of mediastinum and bony structures to improve completeness.