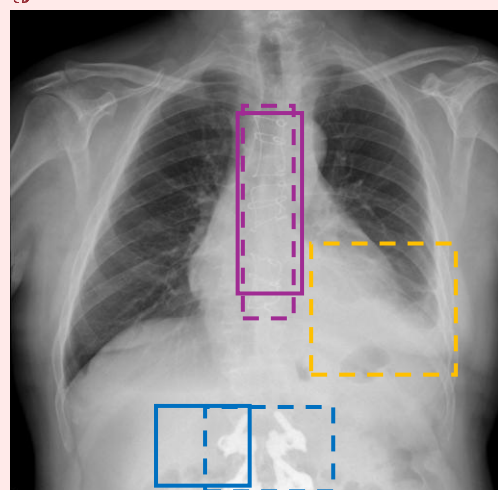


RadGame Localize

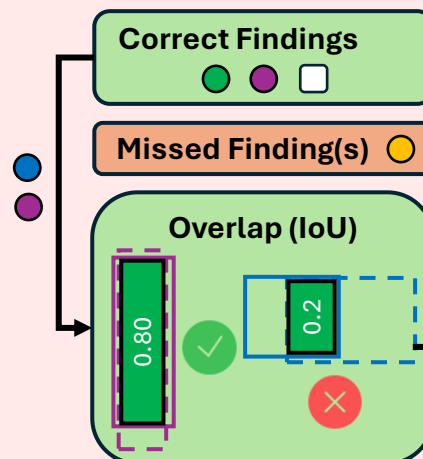
User Annotation



- ☐ Draw Findings
- ☐ Atelectasis
- ☐ Postoperative change
- ☐ Suture material
- Bounding Box**
- ☐ User
- ☐ X-ray Dataset
- ☐ Select Findings
- ☐ Pleural effusion

1

Evaluation



2

AI Explanation

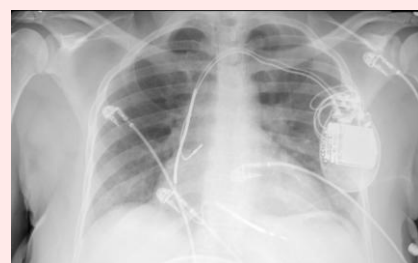


"The left lung base appears denser than the right lung base, suggesting increased opacity. This increased density is likely due to atelectasis, a collapse of lung tissue."

"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



Age: 53

Indication: Chest pain

User Report

The heart is **severely¹enlarged**, consistent with cardiomegaly. A faint **left lower lobe²infiltrate** is suggested, though no pulmonary edema is seen. **Dual lead¹ICD device** is noted with leads in the right atrium and right ventricle. **Mild basilar atelectasis²** is present.

Correct Finding

Incorrect Finding

1

Evaluation



2

AI Feedback

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%

2 (Correct Findings)

2 (Correct Findings) + 2 (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.