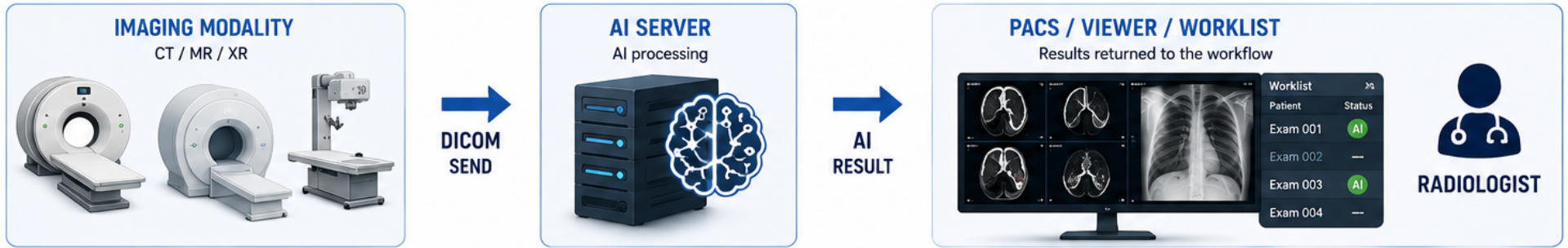




AI WORKFLOWS IN MEDICAL IMAGING



The algorithm is important. The integration is what makes it usable.



AI RESULTS CAN COME BACK IN DIFFERENT WAYS

SECONDARY CAPTURE IMAGE

Easy to display, easy to understand, widely supported.

OVERLAY / HEATMAP

Useful when visual localization on the image is needed.

MEASUREMENTS

Captures dimensions and supporting quantitative data.

DICOM STRUCTURED REPORT

Structured data that other systems can consume, automate, and reuse.

Impression

- Finding: Pulmonary Nodule
- Location: Right Upper Lobe
- Size: 7 mm
- Confidence: High
- Category: Solid
- Recommendation: Follow-up CT in 6 months

SEPARATE VIEWER / APPLICATION

Useful for advanced or interactive AI results.

THE REAL IMPLEMENTATION QUESTION IS:

- ✓ Can PACS display it clearly?
- ✓ Can the radiologist use it without disrupting the reading workflow?
- ✓ Does the result need to support automation, reporting, follow-up, analytics, or downstream integration?
- ✓ Can it be linked to the correct study and reused downstream without manual retyping?

MATCH THE OUTPUT TO THE WORKFLOW

No single output type is right for every scenario. The best choice depends on the clinical use case, the radiologist's needs, and the systems that need to consume the result.

The algorithm gets most of the attention, but the output format and integration model determine how useful the AI actually becomes in daily practice.