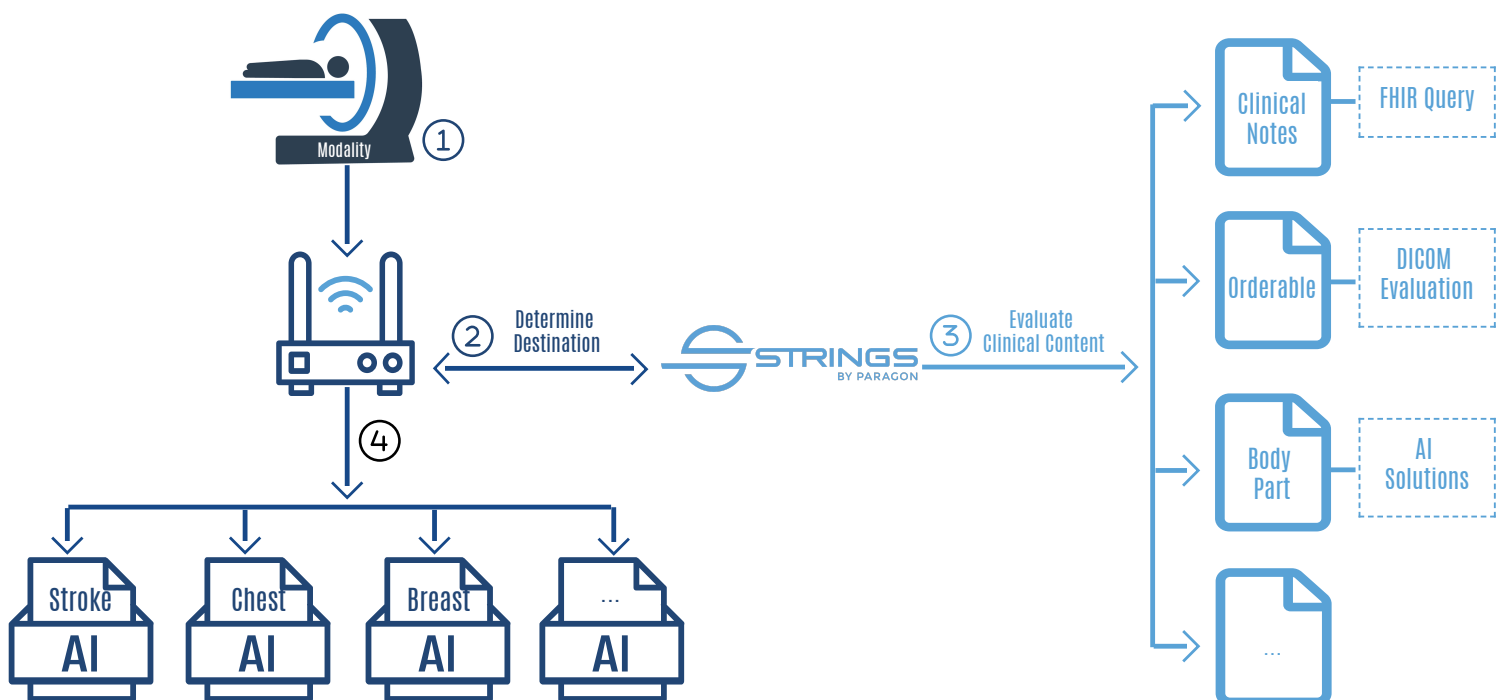# Strings in Action

Orchestrating AI workflow, monitoring, and impact measurement

Artificial Intelligence (AI) can deliver remarkable improvements in the quality and efficiency of medical imaging workflow. However, the diverse and narrow focus of individual algorithms creates a highly fragmented ecosystem.

A fully-managed solution for real-time enterprise imaging workflow, application, and infrastructure monitoring and optimization, Strings by Paragon can be used as an AI ecosystem orchestrator to centralize and automate the management of diverse algorithms, infrastructure, and results through a single pane of glass.

STRINGS
BY PARAGON

Strings in Action
Orchestrating AI workflow, monitoring, and impact measurement

Clinical Impact

- Effectively introduce AI into clinical workflows to improve efficiency and outcomes
- Automatically trigger AI workflows based on clinical data elements, reducing reliance on manual workflow
- Easily monitor AI performance with automated concordance/discordance reporting
- Automatically aggregate relevant data elements to improve protocol review and optimization

Technical Impact:

- Significantly reduce the time, cost, and effort associated with AI adoption and monitoring
- Orchestrate extraction, normalization, and delivery of key results from AI artifacts like structured reports, DICOM images, or proprietary data fields
- Quickly and easily integrate diverse AI algorithms with core systems like the EHR, PACS, and VNA using FHIR, HL7, DICOM, or RESTful web services
- Automatically translate data formats across diverse systems to enable integrations with legacy systems and modalities (e.g. HL7 to FHIR)

Operational Impact:

- Accomplish without a multidisciplinary team, significantly reducing the burden on busy clinical specialists
- Easily measure and report upon the financial and clinical value of various AI algorithms
- Automatically detect increases or decreases in imaging volume to assist in infrastructure sizing and planning
- Proven workflow efficiency impact of 75% reduction in end-to-end turnaround time

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Are you interested in learning how Strings by Paragon can accelerate your AI initiatives? Visit www.pcpimaging.com, or contact us to learn more.