RADIOLOGIST

Simplify your reporting workflow using artificial intelligence

Using advanced technology, ENDEX™ standardizes your medical imaging data by analyzing the DICOM metadata and the pixel data of the image.

@ ENLITIC™

Figure 1: CT, MR and XR data is ingested from any modality, regardless of vendor, in DICOM format into the ENDEX Inference Engine. The image and meta data is analyzed by the artificial intelligence engine and outputs a normalized study and series description. The results are then sent to the PACS database for reporting and storage.
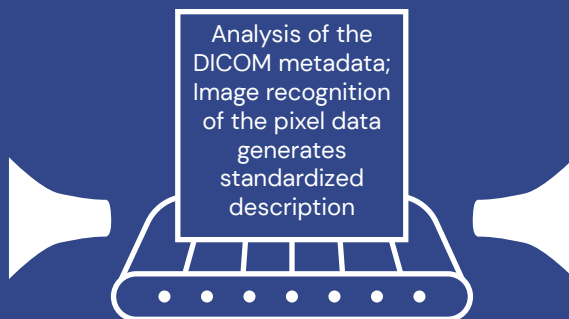
Series Description

- 0.5 Lung Std. Volume Non_C
- 1.0 Lung Std. Volume
- 0.625mm Stnd
- Soft Tissue
- Prone HRCT
- Supine HRCT
- Standard

ENDEX

Analysis of the DICOM metadata; Image recognition of the pixel data generates standardized description

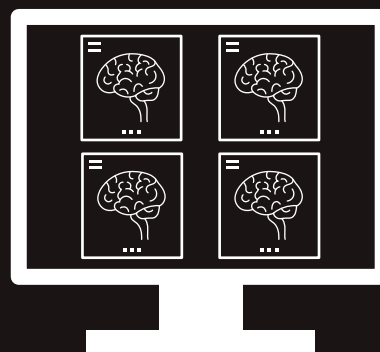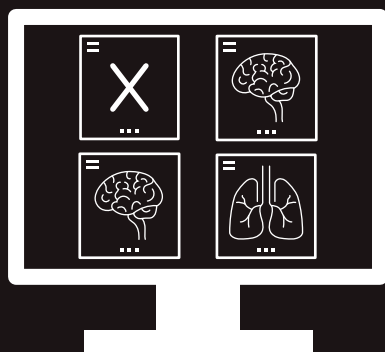**Standardized Series Description**

CHEST AXIAL C–LUNG THIN

PACS

CHALLENGE 1 | Hanging Protocols Don't Work

Radiologists spend 30–90 seconds per study rearranging images before beginning to report an exam due to inconsistent descriptions and broken hanging protocols.

SOLUTION | Identifying the characteristics of the study and series and standardizing the descriptions across the organization ensures hanging protocols display properly.

VALUE | ENDEX directly impacts reporting time by reducing the amount of time spent by radiologists rearranging studies. Consistently working protocols speed reporting time for more studies to be read, and allows radiologists to feel less burden by workload.

CHALLENGE 2 | Searching For Appropriate Series is Time Consuming

Image series are unorganized and may not contain any relevant data to describe the series. Time is spent searching for images instead of analysis and reporting.

SOLUTION | Clinically relevant descriptions improve searching and returning relevant results. Added context to data increases the value of medical imaging studies and lowers the amount of interaction required.

VALUE | Radiologists spend less time scrolling through series to sort images. Studies appear as expected and radiologists gain the benefits from PACS they always expected.

✗	✓
2.5mm Stnd	BRAIN AXIAL C- THICK
Soft Tissue	CHEST AXIAL C- LUNG THIN
2mm SAG	CERVICAL SAGITTAL C- BONE THIN
Null	Localizer

CHALLENGE 3 | Non-Relevant Studies Appear in Your Worklist

Studies are not routed to the correct radiologist or workstation because of different naming conventions. Radiologists must rely on a PACS admin to reroute the study to the appropriate location.

SOLUTION | ENDEX analyzes anatomy, metadata, and acquisition parameters to create a standardized description, ensuring that studies are correctly routed each time to the right place.

VALUE | ENDEX reduces the amount of time spent rerouting studies by the radiologist or PACS admin. The right data goes to the right place improving workflow and operational

Neuroradiology Worklist ✗

Neuroradiology Worklist ✓

"We are seeing radiologists spend 1 to 1.5 minutes less reading exams and that is leading to a 10% efficiency increase and a 10% productivity increase."

–Ernest Montañà, TMC

Watch Our Demo

https://enlitic.com/endex-demo/