PHILIPS

IntelliSpace PACS

illumeo
adaptive intelligence

Changing how you see, seek and share clinical information

Radiology departments manage a wealth of information and images that are key to providing confident diagnoses and outstanding care. Illumeo with adaptive intelligence* supports your focus on value-based healthcare with intelligent tools that enhance your expertise and efficiency.

Offered with IntelliSpace PACS, Illumeo assists the physician by presenting information in a clinically meaningful way and providing patient context and relevant past findings to support consistency in diagnosis and reporting.

Enhancing physicians' expertise and efficiency

Illumeo introduces a new paradigm of clinically intelligent software – all within a single workspace

Contextual relevance
Changes how you see, seek and share information

Reduced variability
Assists you with best practices to help standardize care

Adaptive intelligence
Provides a tailored workflow experience for you as it adapts to your preferences

Extensible
Easily integrates within your existing healthcare IT systems

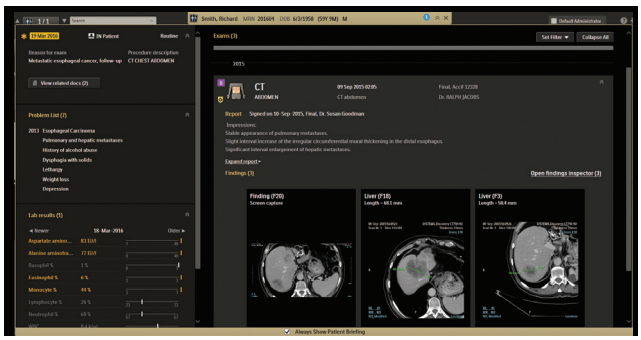
* Philips Adaptive Intelligence combines artificial intelligence and other methods with knowledge of the clinical, operational or personal context in which they are used.

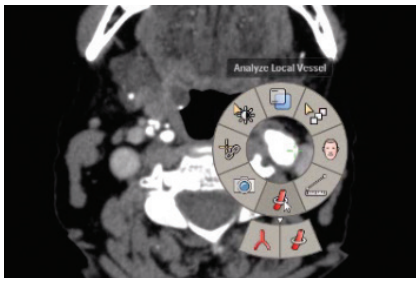
Contextual relevance

Changing the way you see, seek and share information

Briefing

- Synthesizes a holistic view of the patient with the Patient Briefing feature
- Presents prior reports and extracts relevant patient history from your EMR system or RIS
- Displays data in a meaningful way





Inspection

- Delivers Anatomy-Aware capabilities that detect anatomical context, suggest appropriate tool sets, and alert you if you're attempting to match findings from different anatomical locations
- Provides tools that are relevant to the modality and your region of interest with Inspection Reticle
- Allows inspection of regions of interest quickly and easily with the Comparison Inspector and Quantification Inspector

Presentation and communication

- Generates dynamic, insight-rich findings presentations, including providing the ability to interact with images, rather than simply viewing reports
- Minimizes the user input needed to produce 3D images or automated quantifications
- Offers diagnostic image quality of 2D and basic 3D (MIP and MPR) images with appended reports and key images to referring physicians, supporting informed and meaningful discussions

Reduced variability

Assists you with best practices to help standardize care

By enabling consistency and supporting best practices, Illumeo is designed to positively impact workflow, productivity and cost without compromising care. The system intelligently and automatically presents the same region of interest in relevant series from the same study or prior studies and offers inspection tools that aid in more consistent quantification. It also saves findings in Findings Inspector, a readily accessible, singular source within your workspace from which you can directly access current or historical findings.

Adaptive intelligence

Providing a tailored workflow experience as it adapts to your preferences

To help you streamline your workflow, Illumeo incorporates innovations that are designed to optimize your way of working, from initial hanging through reporting. An intelligent clinical Semantic Labeling engine analyzes DICOM attributes from most vendors to enable intuitive and robust hanging protocols and analyzes pixel data to choose and launch appropriate in-context tools. The same region of interest from different series in the same study, or the same region of interest from prior studies, can be presented within a single workspace. When you're ready to report, the modern adaptive interface and advanced interactive reporting create an efficient and valuable experience.

Embedded Semantic Labeling tailors the study display for your needs

Patient Briefing provides patient context throughout the case (or workflow)

Extensible

Easily integrates within your existing healthcare IT systems

- Delivers rich findings, including multiparametric and quantified results that can be easily shared with referring physicians throughout the enterprise
- Uses a zero-footprint viewer that runs on most common operating systems and browsers
- Leverages the latest interoperability standards (e.g., HL7* FHIR, DICOM RESTful web service, etc.), which can help reduce operational costs
- Strictly adheres to the latest security and privacy standards
- Offers versatile and scalable software technology
- Queries and presents an aggregated view of clinical data and studies from hospital archives, information systems and EMR

*Via integration through IntelliSpace PACS.

Illumeo Enterprise uses Findings Presenter to offer diagnostic image quality of 2D and basic 3D (MIP and MPR) images with appended reports and key images, allowing users to interact, scroll through and use measurement tools, rather than simply viewing reports. This allows a more informed and meaningful discussion between radiologists and other physicians. A zero-footprint viewer, Illumeo Enterprise requires no special software installation on client systems and can be launched from the EMR.

Illumeo Enterprise simplifies collaboration

The Illumeo Enterprise viewer aids communication and collaboration among hospital departments and with referring physicians. It delivers rich results, including multiparametric and quantified findings, to physicians throughout your enterprise.

Innovation at your fingertips

Illumeo augments the clinical experience of radiology, while producing results that support your hospital's volume-to-value transformation. Its toolbox of innovations helps your diagnostic confidence while also offering clinically relevant workflow enhancers that result in a more meaningful, insight-rich output.

Anatomy-Aware

Technology that detects the anatomy and enables clinically meaningful presentation of images and related imaging data

Semantic Labeling

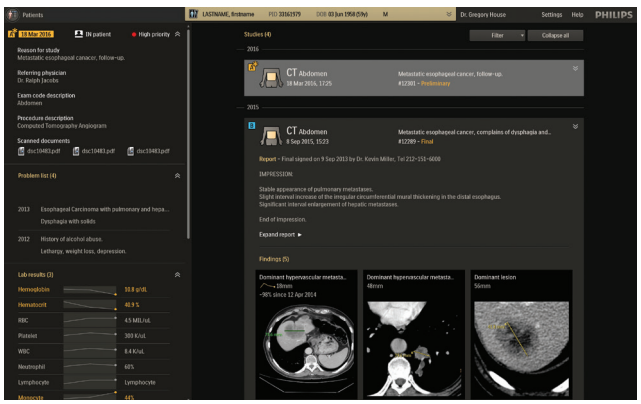
Builds a semantic view of data in order to analyze and present data in a clinically relevant way

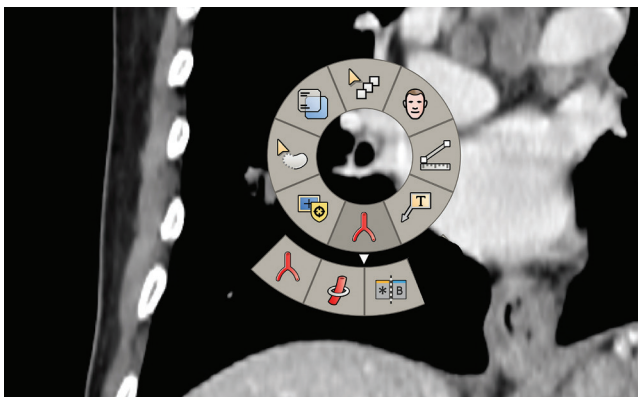
Patient Briefing

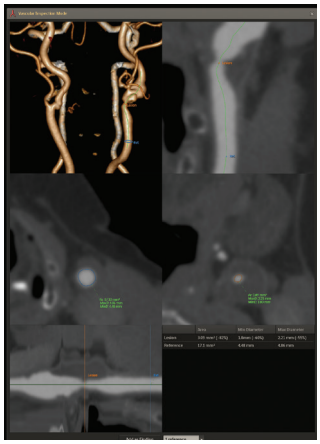
Immediate access to relevant clinical context — patient problem list, laboratory results, prior radiology reports, imaging orders or scanned documents obtained from health information systems such as RIS or EMR systems

Inspection Reticle

An adaptive tool set that understands the clinical and anatomical context to offer you just the tools you need

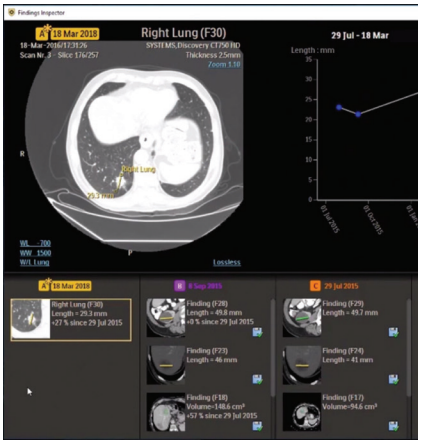






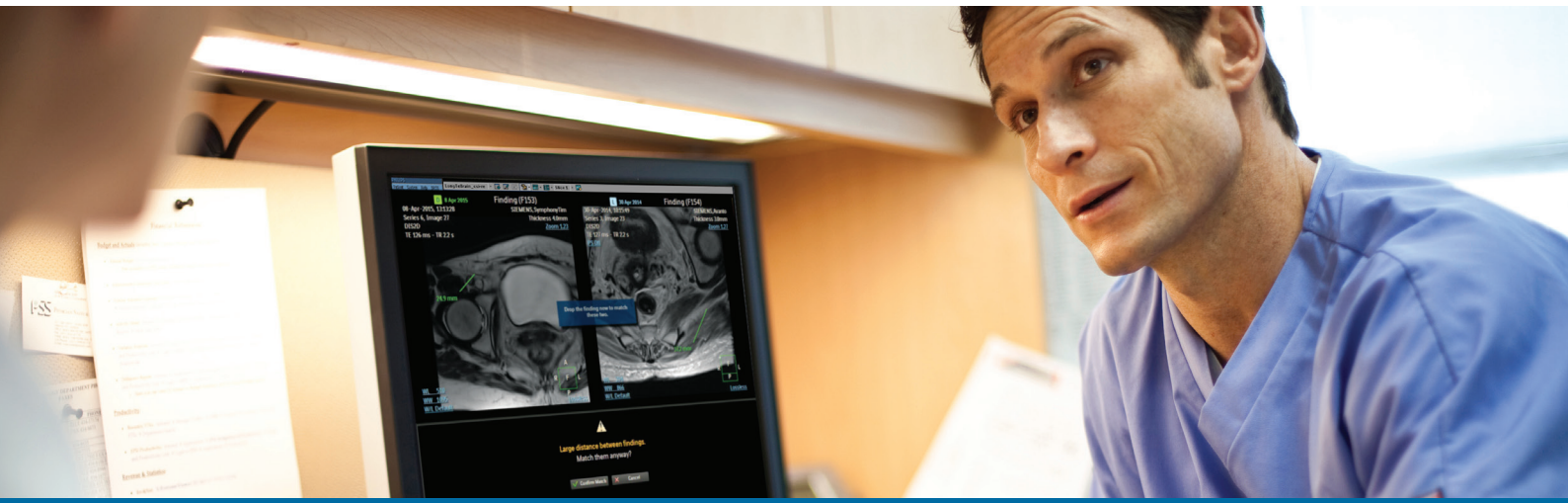
Quantification Inspector

Allows for a one-click, easy local inspection of a region of interest by bringing together relevant tools and editable results in a tailored, pathology-specific view



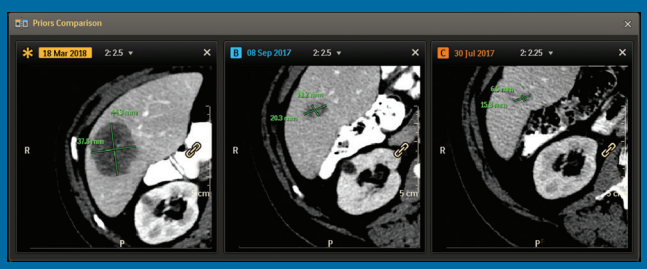
Findings Inspector

Captures longitudinal record of rich, semantic, structured, quantitative findings during interpretation and manages them centrally



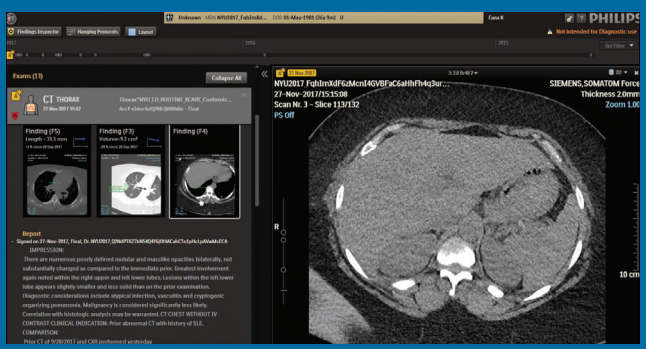
Comparison Inspector

Presents the same region of interest in either relevant series from the same study or relevant series from prior studies



Findings Presenter

A dynamic and tailored output that allows for a more informed and meaningful discussion between the referring physician and the radiologist



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