



Clinical Application:

Lung Oncology

Lung cancer is the most common cancer worldwide¹ and the number one cause of cancer death in the United States.²

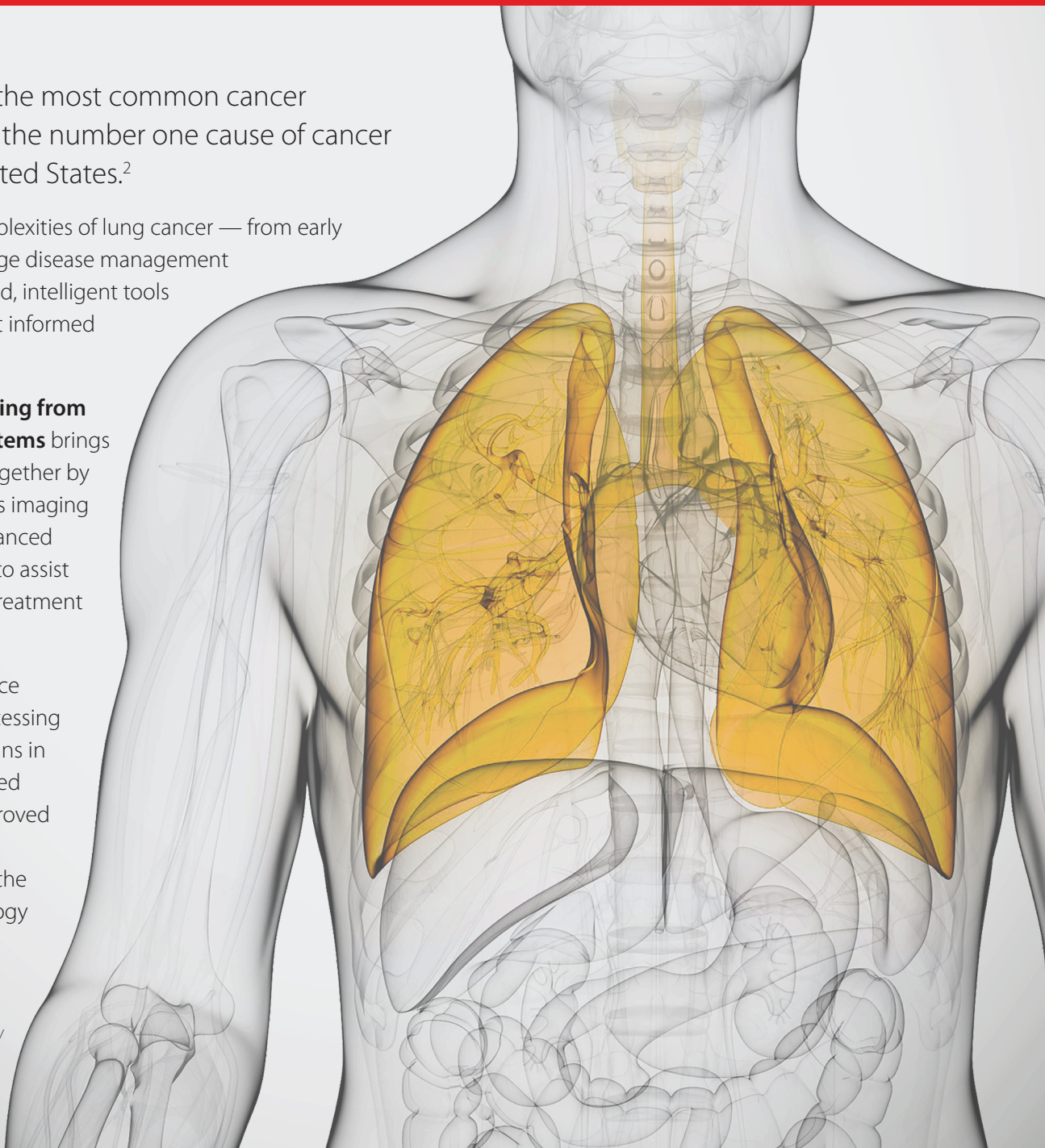
Addressing the complexities of lung cancer — from early detection to late-stage disease management — requires integrated, intelligent tools that enable the most informed decision-making.

Collaborative Imaging from Canon Medical Systems brings clinical disciplines together by providing world class imaging technology and advanced clinical applications to assist with diagnosis and treatment planning.

Integrated intelligence automates post processing and helps aid clinicians in diagnosis for increased confidence and improved patient-centric care across every step of the patient's lung oncology journey.

¹ Source: <https://www.lung.org/lung-health-and-diseases/lung-disease-lookup/lung-cancer/resource-library/lung-cancer-fact-sheet.html>

² Source: <https://www.cdc.gov/cancer/lung/statistics/index.htm>



SCAN

Our suite of advanced Collaborative Imaging applications and systems provides clinicians with essential visualization at low doses.

- The **Aquilion Precision CT** delivers ultra-high-resolution CT for precise tumor visualization with reliability and Forward projected model-based Iterative Reconstruction SoluTion (FIRST) MBIR* for intelligent dose optimization.
- The **Celesteion / PUREVISION Edition PET/CT** — the industry's largest PET/CT bore and True FOV — delivers improved accuracy and patient comfort during radiation treatment, planning and staging.
- **CT Fluro guided biopsies** help confirm the lung cancer diagnosis.

DIAGNOSE & TREAT

Collaborative Imaging's suite of applications provides a complete solution for the visualization, staging and tracking of tumors while streamlining workflows.

The sophisticated array of intelligent processing tools enable:

- **Automated computer aided detection** of lung nodules by shape, size, density and volume to aid clinicians in determining growth patterns and composing comparative reviews with Vitrea's CT Lung Screening.

ANALYZE

Canon Medical delivers intelligent analytics to help facilities improve clinical, operational and financial outcomes — and deliver optimal patient-centric care.

With analytics powered by Vitrea Intelligence and CodeX, practices can strive to achieve:

- **Improved** operational outcomes via prescriptive analytics.
- **Reduced** clinical risks.
- **Better** dose efficiency and safety with dose management and reporting across the organization — per equipment and operator.
- **Enhanced** clinical workflows and operations thanks to Patient Cohort Analysis.
- **Standardization** of acquisition protocols across equipment, models and locations.

Experience enhanced clinical operations, thanks to intelligent analytics with Collaborative Imaging.

SHARE

Our suite of integrated applications enable intelligent sharing on every device, anywhere, with a patient-centric timeline of events, current, priors, pathology and clinical reports made available immediately and securely.

Collaborative Imaging enables intelligent information sharing so clinicians can:

- **Collaborate** with multi-disciplinary teams on patient-care coordination.
- **Refresh** relevant clinical information from disparate sources and deliver it to the point of care with Vitrea Connection.
- **Integrate** images into the clinical workflow across devices and networks with Vitrea View Enterprise Viewer.
- **Manage** and reduce risk by addressing system vulnerabilities with Canon Medical's Cybersecurity capabilities.

Because of our partnerships with leading enterprise imaging companies, all data — regardless of vendor or system — is seamlessly integrated, optimized and shared across all networks.

*Model-based Iterative Reconstruction

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