



GE HealthCare Announces Advanced Imaging Innovations for OEC 3D C-arm to Help Improve Precision Care in Practice of Interventional Pulmonology

November 22, 2024

- To help improve clinician workflow and visualization during endoscopic bronchoscopy procedures, the company has added Lung Suite to their OEC 3D m-CBCT offering.
- OEC Open interface expanded with additional third-party option to streamline data interface during bronchoscopy procedures.

CHICAGO--(BUSINESS WIRE)--Nov. 22, 2024-- GE HealthCare (Nasdaq: GEHC) announces additional clinical applications now available as part of the OEC 3D mobile CBCT C-arm portfolio to help enable precise and efficient imaging during endoscopic bronchoscopy procedures in the practice of interventional pulmonology.

Complex pulmonary and thoracic procedures require precise intraoperative imaging systems. To diagnose and biopsy a suspected lesion or region of interest in the lungs, physicians need to visualize and confirm the precise location of nodules and tools, yet often the position of a nodule can differ from pre-operative CT images because of the differences in respiratory patterns, patient positioning, and other factors, resulting in CT to body divergence, at time of the procedure.

GE HealthCare's OEC 3D intraoperative mobile CBCT continues to demonstrate imaging excellence and versatility for every day procedures ranging from neuro-spine and orthopedic trauma to interventional procedures, such as bronchoscopy.

Today's announcement brings the following additions to the OEC 3D C-arm to help improve visualization of airways in the lungs during bronchoscopy procedures:

OEC 3D Lung Suite: The OEC 3D enables clinicians to visualize both 2D and 3D images of the lung using a single mobile C-arm. For advanced imaging during endoscopy procedures, the **OEC 3D Lung Suite** includes:

- Augmented Fluoroscopy overlay of 3D points of interest on live fluoroscopy images.
- Adjustable motorized 3D scan to accommodate patient or equipment positions during a spin.

OEC Open: During bronchoscopy procedures, clinicians may use navigation or robotic assistance, in addition to advanced imaging, to reach the region of interest during the interventional procedure. To help enable this workflow, OEC 3D C-arms provide an **OEC Open** interface for automatically transferring 3D volumetric data post reconstruction to verified navigation and robotic systems.

A recent addition to the OEC Open offering is a verified interface with the **Intuitive Ion® Endoluminal Robotic Bronchoscopy System (OS 1 v5.1.0 and later)**. This interface enables users to automatically transfer OEC 3D mobile CBCT images upon reconstruction to the Ion System to then update target locations for clinician catheter adjustments during the procedure.

GE HealthCare continues to expand OEC Open interfaces for a variety of clinical procedures as an agnostic OEC Open ecosystem for OEC 3D users. Today, OEC Open is verified with eight, third-party systems spanning robotics, navigation, and augmented reality vision.

"With Intuitive's Ion Robotic Bronchoscopy System now verified to interface with GE HealthCare's OEC 3D through the OEC Open interface, I believe we can now reach and diagnose almost any nodule in the lung," shares Dr. Dominique Pepper, Medical Director of Bronchoscopy and Respiratory Care, Providence Swedish South Puget Sound.¹ "This is a game-changer for clinicians - this can help us confidently and accurately provide answers when we see a suspicious area of interest."

"As we continue to build out our OEC ecosystem, GE HealthCare is excited about the addition of the Intuitive Ion robotic system to our OEC Open interface," shares Christian O'Connor – Global General Manager for Surgery at GE HealthCare. "This interface provides interventional pulmonologists using the OEC 3D C-arm a seamless experience during minimally invasive, robotic-assisted bronchoscopy procedures. Furthermore, this collaboration also signifies our continued commitment to enabling surgeons access to the latest technologies to support them in providing exceptional patient care."

These latest additions build on the company's continuous innovation of the OEC C-arm portfolio to support clinicians in their efforts to help improve the diagnosis, treatment, and overall outcomes of their patients.

More about OEC 3D: First introduced in 2021, the OEC 3D mobile CBCT C-arm provides precise 3D and 2D imaging every day in a broad variety of procedures. During bronchoscopy procedures, clinicians can leverage CBCT visualization features, such as Lung Preset, to help optimize viewing of airway structures and Augmented Fluoroscopy with Lung Suite to help confirm tool-in-lesion during a procedure. While delivering exceptional image quality, the OEC 3D also enables seamless transition from 3D to 2D imaging through one versatile mobile CBCT imaging C-arm with an intuitive user interface and workflow to help further optimize space in the bronchoscopy suite.

Learn more at [GEHealthCare.com](https://www.gehealthcare.com).

About GE HealthCare Technologies Inc.

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected, and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Advanced Visualization Solutions, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from diagnosis, to therapy, to monitoring. We are a \$19.6 billion business with approximately 51,000 colleagues working to create a world where healthcare has no limits.

Follow us on [LinkedIn](#), [X](#), [Facebook](#), [Instagram](#), and [Insights](#) for the latest news, or visit our website <https://www.gehealthcare.com> for more information.

¹ Paid Consultant: Dr. Dominique Pepper is a paid consultant for GE HealthCare. The statements by Dr. Dominique Pepper described here are based on his own opinions and on results that were achieved in his unique setting. Since there is no "typical" hospital and many variables exist, i.e. hospital size, case mix, etc. there can be no guarantee that other customers will achieve the same results.

View source version on [businesswire.com](https://www.businesswire.com/news/home/20241121667735/en/): <https://www.businesswire.com/news/home/20241121667735/en/>

Eric Tatro
Media Contact
GE HealthCare
eric.tatro@gehealthcare.com

Source: GE HealthCare