GE Healthcare Announces 510(k) Clearance of New 3D Surgical Imaging System, Enabling More Precise and Efficient Care

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- *New 3D/2D surgical imaging system, OEC 3D, brings precise 3D and 2D imaging to surgical suites improving efficiency*

OEC 3D
PICTURE CREDIT: GE Healthcare
IMAGE/JPEG · 1.85 MB

Salt Lake City – March 23, 2021 – GE Healthcare today announced 510(k) clearance from U.S. FDA for OEC 3D, a new surgical imaging system capable of 3D and 2D imaging. OEC 3D will set a standard for interoperative 3D imaging with precise volumetric images for spine and orthopedic procedures. This new system combines the benefits and familiarity of 2D imaging with greater efficiency to increase access and usability to 3D.

"We're thrilled to introduce OEC 3D to clinicians who want amazing 3D volumetric images quickly during intraoperative procedures," said Gustavo Perez Fernandez, president and CEO of GE Healthcare Image Guided Therapies. "Built on the successful OEC Elite C-arm platform, the familiar performance and functionality of the OEC 3D C-arm will make 3D imaging routine for complex spine and joint replacement procedures."

Developed in collaboration with healthcare professionals and institutions around the world, OEC 3D C-arm recently completed clinical evaluations in vivo and in simulated laboratory procedures. Clinicians involved commented on the excellent image quality of the 3D volumes stating they were similar to what they expect from a CT scan. Additionally, the simplicity of performing both 3D as well as 2D imaging on OEC 3D was noted as an improvement versus current methods. In a recent study1, during a procedure with a 3D C-arm, users noted that a second 2D C-arm is also used 70 percent of the time due to ease of use and familiarity. The OEC 3D C-arm enables users to enjoy the benefits of both 3D and 2D imaging in one easy-to-use system.

Revealing a new standard of interoperative imaging, OEC 3D provides a large 19 cm x 19 cm x 19 cm Field of View with high resolution and detail. An advanced reconstruction engine quickly presents images on an intuitive Volume Viewer with advanced tools and analysis for surgical assessment. In addition, OEC 3D is open to interface with advanced intraoperative technologies such as navigation and robotics.

For improved asset utilization, OEC 3D includes the recognizable 2D imaging experience of OEC C-arms for imaging versatility from general surgery to interventional cardio-vascular procedures, delivering a familiar user experience with the added benefit to quickly capture a 3D scan.

To learn more visit the OEC 3D website.

1 *3D Mobile C-arm Utilization Study in the United States,* November 2020, conducted by Cetas Healthcare for GE Healthcare

About GE Healthcare:

GE Healthcare is the $18 billion healthcare business of GE (NYSE: GE). As a leading global medical technology and digital solutions innovator, GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping to drive productivity and improve outcomes for patients, providers, health systems and researchers around the world. *Follow us on Facebook, LinkedIn, Twitter and Insights , or visit our website* www.gehealthcare.com *for more information.*

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