

Koios DS Breast™ AI Available on GE Healthcare's Automated Breast Ultrasound to Support Early Breast Cancer Detection

Koios Medical and GE Healthcare join forces again in early breast cancer detection making Koios DS Breast AI software available on the Invenia 2.0 ABUS system.

NEW YORK, NEW YORK, USA, September 16, 2021 /EINPresswire.com/ -- Koios Medical, a



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Brian McEathron, Vice President, General Imaging at GE Healthcare

developer of artificial intelligence (AI) for [early cancer detection](#) and diagnostic accuracy, announced a strategic partnership with [GE Healthcare](#) with the launch of the company's AI software available on GE's Invenia™ ABUS 2.0 automated whole breast ultrasound scanning system, the only FDA-approved ultrasound supplemental breast screening technology specifically designed for detecting cancer in dense breast tissue.

Koios DS Breast is the only FDA-cleared cancer diagnosis software using AI on breast ultrasound images that works as an on-demand second opinion. The powerful combination gives Invenia ABUS users access to Koios DS AI algorithms trained for ultrasound image interpretation

and assessment streamlining clinical workflow while improving clinical accuracy and patient care.

One out of every eight women in the US is expected to contract breast cancer over the course of her lifetime making breast cancer the leading cancer diagnosis in women worldwide. That risk is even greater for the more than 40 percent of women with dense breast tissue that requires automated or traditional ultrasound (or MRI) as a supplement to routine mammograms. Earliest possible detection is critical to increased survival rates while mitigating treatment complexity. Use of AI software in conjunction with ultrasound dramatically expands access to quality care and early diagnosis.

Koios DS Breast™ decision support software is approved and commercially available in the US and internationally integrated within GE's LOGIQ™ E10 Series and LOGIQ P-Series ultrasound system and GE Centricity™ PACS making the addition to the Invenia ABUS 2.0 system an extension of the power of AI broadly across GE's ultrasound offering.

“Joining forces with the GE ABUS team and the Invenia ABUS 2.0 system now gives patients and physicians the speed, accuracy and peace of mind only made possible by combining AI with whole breast ultrasound. This combination is extremely inspiring. To know patients will experience fewer missed cancers and less avoidable procedures not to mention eliminating the anxiety imposed on women and their families from the millions of ‘false alarms’ every year motivates the Koios Medical team to continue innovating and integrating” says Koios Medical’s CEO Chad McClennan.

Advantages of this powerful combination include rapid and accurate diagnostic performance improving cancer detection rates, especially on women with dense breast tissue. Koios DS Breast, or Smart Ultrasound™, used in conjunction with Invenia ABUS 2.0 simultaneously reduces false positive interpretations resulting in fewer patient callbacks, less benign biopsy procedures and relieving patient stress while mitigating costly out of pocket expenses.

Koios DS Breast AI software was trained on nearly one million ultrasound images of both malignant and benign breast lesions from sources around the world to improve physician diagnostic accuracy. The system generates a likelihood of malignancy finding aligned to both the American College of Radiology’s BI-RADS® rating schema and the European rating systems.

“GE Healthcare is dedicated to being at the forefront of innovation in breast ultrasound and our collaboration with Koios Medical is another great milestone building upon that commitment. This is one of the most advanced clinical decision support tools available to clinicians worldwide to assist and ultimately improve cancer detection within a streamlined workflow and by offering this on both our LOGIQ and Invenia ABUS ultrasound systems, we aim to improve outcomes for clinicians and their patients,” said Brian McEathron, Vice President, General Imaging Ultrasound at GE Healthcare.

Koios is a partner in GE Healthcare’s Edison Developer Program, a dynamic ecosystem which helps innovators deliver advanced healthcare applications, integrate products, and drive commercial growth. Designed for its Edison platform, the program offers services to help developers build better models for clinical, operational or financial improvements. Applications developed using Edison can be quickly and securely deployed in the cloud, on premise (e.g., via GE Healthcare’s Edison HealthLink appliance), or directly onto smart imaging devices.

“Koios Medical will continue building on our initial success combining AI with ultrasound. Invenia ABUS 2.0 enables a reduction in image acquisition variability while the Koios Smart Ultrasound AI software augments performance further by reducing physician interpretation variability, increasing overall accuracy and speed. Now with a new CPT category 3 billing code effective this January, ultrasound, as a modality, is poised to dramatically expand adoption and clinical impact with the power of this new combination of AI with the Invenia ABUS 2.0 system.” says Koios Medical CEO Chad McClennan.

The GE Invenia 2.0 ABUS system is currently deployed at hundreds of facilities around the world

and the Koios DS Breast “Smart Ultrasound” software has already been activated in dozens of practices and healthcare institutions across the US, Middle East, Europe, and South America since expanding internationally early in 2021.

About Koios Medical: □

Koios Medical (www.koiosmedical.com) develops medical software to assist physicians interpreting ultrasound images and applies deep machine learning methods to the process of reaching an accurate diagnosis. The Koios DS platform uses advanced AI algorithms to assist in the early detection of disease while reducing recommendations for biopsy of benign tissue. Patented technology saves physicians time, helps improve patient outcomes, and reduces healthcare costs. Koios DS (decision support) is presently focused on the breast and thyroid cancer diagnosis market. Women with dense breast tissue (over 40% in the US) often require an alternative to mammography for diagnosis. Ultrasound is a widely available and effective alternative to mammography using no ionizing radiation and is a standard of care for breast cancer diagnosis. To learn more please contact us at info@koiosmedical.com or (732) 529-5755.

About GE Healthcare:

GE Healthcare is the \$19 billion healthcare business of GE (NYSE: GE). As a leading provider of medical imaging, monitoring, biomanufacturing, and cell and gene therapy technologies, GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications, and services. With over 100 years of experience in the healthcare industry and more than 50,000 employees globally, the company helps improve outcomes more efficiently for patients, healthcare providers, researchers, and life sciences companies around the world. Follow us on Facebook, LinkedIn, Twitter, and The Pulse for latest news, or visit our website www.gehealthcare.com for more information.

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