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Stryker launches breakthrough technology to support breast cancer patients

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World renowned breast cancer expert, Dr. David Weintritt visits India to hold clinical workshops on role of Spy-Phi Fluorescence Imaging technology in breast cancer surgery and reconstruction



Global medical device company, Stryker announced the launch of its state-of-the art Fluorescence Imaging (FI) technology, Spy-Phi, for better outcomes and safety of patients suffering from breast cancer. The only of its's kind technology in the world uses near-infrared fluorescence imaging during cancer surgery that allows real time, clinically significant and actionable information to improve quality of care and lower overall healthcare burden.

During breast cancer surgery, surgeons inject a safe and affordable ICG dye in patients. Using Spy-Phi imaging technology, they can view blood flow in vessels, micro-vessels, tissue perfusion and critical anatomical structures intraoperatively. The relevant tissues light up in fluorescent green color. The reliability and multiple applications of the imaging are a significant differentiation compared to currently used technologies like Blue dye.

The technology can be used in various procedures, but is especially helpful in mapping of lymphatics, identification of lymph nodes and confirming adequate tissue perfusion for safe breast reconstruction. Once the lymph node is identified, it is removed and then sent for frozen section in the lab to stage the cancer which helps to decide the further line of treatment.

Renowned breast cancer expert Dr David Weintritt from GW School of Medicine and Health Sciences, US, visited India to hold clinical workshops on the role of Fluorescence Imaging in breast cancer surgery and reconstruction.

"Rising prevalence of cancer and complexity of surgeries we perform is making infrared fluorescence imaging increasingly critical as it is beneficial in detecting pathways of cancer spread more precisely and in preventing complications in breast cancer surgeries. Fluorescence Imaging uses near infrared technology and indocyanine green (ICG) dye that rapidly visualizes lymph nodes that can otherwise be challenging for surgeons to navigate. It has the potential to help save and improve lives of many patients suffering from breast cancer. Further, because the information is obtained real time during the surgery, we can now prevent several complications proactively and reduce the overall cost of healthcare,"stated Dr. Weintritt.

Excited about the launch, **Ms. Meenakshi Nevatia, Managing Director, Stryker India**, shared, "Spy-Phi is a unique and highly advanced fluorescence imaging technology that can be used in plastics, microsurgical, reconstructive and gastrointestinal procedures. We're proud to bring Spy-Phi to India and are looking forward to the incredible impact this technology can have in making healthcare better."