Shaping the future of breast reconstruction

Though advances in breast reconstruction techniques have improved both functional and aesthetic outcomes following mastectomy, research has shown that skin necrosis may still occur in up to 31% of procedures.¹

Accurate and reliable methods for intraoperative perfusion assessment are critical in helping surgeons prevent complications.² In fact, recent studies have recommended the use of SPY technology, particularly in newer techniques, such as nipple sparing mastectomy and immediate prepectoral implant-based breast reconstruction.³, ⁴, ⁵, ⁶

Stryker is proud to introduce the SPY Portable Handheld Imager. SPY-PHI utilizes SPY Fluorescence Imaging technology and provides surgeons with a convenient, compact solution for real-time perfusion assessment in breast reconstruction and other open surgeries.*

Intraoperative visualization of ischemic breast tissue
Fluorescence-guided debridement of ischemic breast tissue
Visualization of perfusion to the incision after prepectoral implant placement

Brilliant image quality
The 1080p resolution at 60 fps is designed to provide realistic color reproduction and results in a sharp, highly detailed image

Flexible working distance and wide imaging field
SPY-PHI allows clinicians to assess perfusion using a wide range of viewing distances, allowing for versatility in the operating room

Multiple visualization modes
Combines enhanced fluorescence signal information with vivid white light images in real-time

Ambient light immunity
Ensures that the operator is able to work fluidly without disrupting activities around the surgical table

See more. Do more.
Features and functions

Intuitive operator controls

- Comfortable single-handed operation
- Durable elastomer buttons
- Backlit illumination

Indications for use

*The SPY-PHI Open Field Handheld Fluorescence Imaging System is an imaging system used in capturing and viewing fluorescence images for the visual assessment of blood flow as an adjunctive method for the evaluation of tissue perfusion, and related tissue-transfer circulation in tissue and free flaps used in plastic, micro- and reconstructive surgical procedures.

The SPY-PHI Portable Handheld Fluorescence Imaging System is intended to provide fluorescence images for the visual assessment of blood flow in vessels and related tissue perfusion during gastrointestinal surgical procedures.