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Real-time Visualization and Perfusion Assessment

Discover SPY® fluorescence technology to assess blood flow and tissue perfusion during medical and surgical procedures



Adequate Tissue Perfusion is Critical to a Successful Outcome

Perfusion is a critical indicator of tissue health. It is crucial to the procedure's success and the body's ability to heal. Indeed, impaired perfusion can cause irreversible damage and costly complications. Today, the most common method used to assess perfusion is clinical judgment, and yet, despite excellent techniques, perfusion-related complications still occur. Fortunately, fluorescence angiography provides clinically-relevant information and real-time imaging of tissue perfusion.



The SPY System — assess perfusion with more confidence

The SPY® System enhances visualization of tissue perfusion in real time.

- *Complements clinical judgment* and aids decision-making
- Assists doctors in visualizing tissue perfusion *throughout the procedure* in a variety of applications
- Improves understanding of patient vascular flow and tissue perfusion, which may help the doctor optimize medical and surgical treatment plans

The SPY System — a window into real-time perfusion

Objectively analyze tissue perfusion through relative measurements

The SPY® System includes a software package that uses unique algorithms to enable the doctor to objectively analyze perfusion. This objective information can complement the doctor's clinical perspective, providing a comprehensive view of perfusion.

Display Monitor

- Provides real-time perfusion mapping during medical and surgical procedures

SPY Software Package

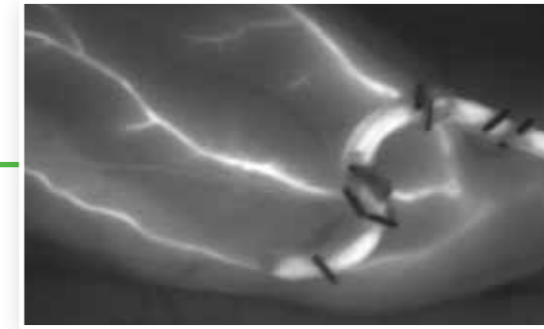
- Analyze perfusion in the clinic and the operating room
- Videos and images are available during procedure and for later analysis
- Automatically generates a procedure report in accordance with medical record keeping and billing standards

Maneuverable Imaging Head

- Flexible for convenient use in the clinic and the operating room
- Houses high-resolution camera and near-infrared light source
- Does not emit ionizing radiation
- Minimal interruption to medical or surgical procedure



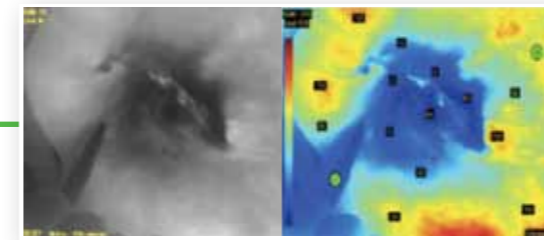
See insights into perfusion



Cardiac

Contour mapping provides actionable information that you can use before and during the procedure.

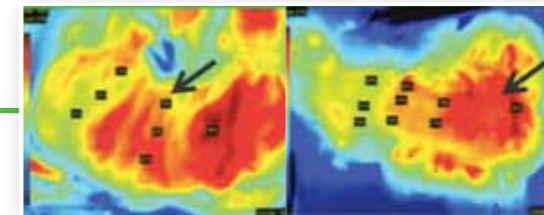
Objectively analyze perfusion



Breast reconstruction

Use absolute and relative values to objectively analyze tissue perfusion.

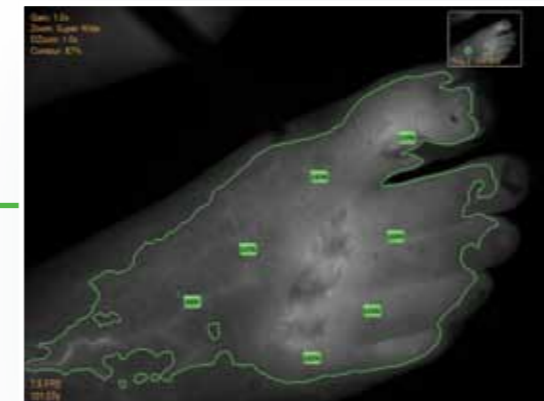
Illuminate perfusion zones



Colorectal

Analyze and identify adequate perfusion areas before committing to a treatment plan or surgical design.

Determine care pathway



Foot

Perform comparative serial perfusion assessment pre- and post- revascularization.

