



General Surgery

stryker

SPY Fluorescence

Imaging Technology

Changing the Way You See Your Patients

The 1688 Advanced Imaging Modalities (AIM) 4K platform utilizes SPY Fluorescence Imaging Technology to assist in tissue perfusion assessment and critical anatomy identification.

Brilliant Visualization

Native Fluorescent 4K, designed to provide realistic color reproduction, results in a sharp, highly detailed image

Intuitive Functionality

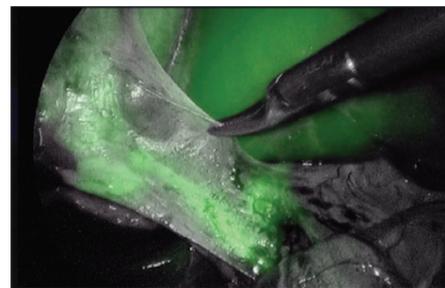
Customizable camera head button mapping for simple SPY mode toggling

Multiple Visualization Modes

Combines enhanced fluorescence signal information to enable different viewing modes for use across multiple specialties



Overlay Fluorescence Mode



ENV Fluorescence Mode



Contrast Fluorescence Mode

See more. Do more.

Identifying Critical Anatomy in General Surgery



Clinical Impact

A clinical study attempted to understand the causes and prevention of laparoscopic bile duct injury¹:

- The primary cause of error in 97% of cases resulting in Bile Duct Injury was a visual perceptual illusion, compared to 3% attributed to technical skill.¹
- In Class III injuries, the common duct, erroneously believed to be the cystic duct, was deliberately cut.¹

Economic Impact

A separate study was conducted to estimate the average cost associated with both minor and major bile duct injuries²:

- It has been demonstrated that the rate of common bile duct injuries is significantly lower when routine imaging is used.²
- The mean cost per patient as related to in-hospital costs and loss of production²:
 - Minor bile duct injury - \$28,796²
 - Major bile duct injury - \$141,804²



\$18,486

Average reported in-hospital cost per patient suffering a bile duct injury³

References:

1. Way LW, Stewart L, Gantert W, et al. Causes and prevention of laparoscopic bile duct injuries: analysis of 252 cases from a human factors and cognitive psychology perspective. *Ann Surg.* 2003;237(4):460-9.
2. Andersson R, Eriksson K, Blind PJ, Tingstedt B. Iatrogenic bile duct injury--a cost analysis. *HPB (Oxford).* 2008;10(6):416-9.
3. Bile Duct Injury cost originates from 2017 Medicare cost reports using Inpatient (ICD 10 PCS codes: S36.13XA(Injury of bile duct, initial encounter) and S36.13XD (Injury of bile duct, subsequent encounter))

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