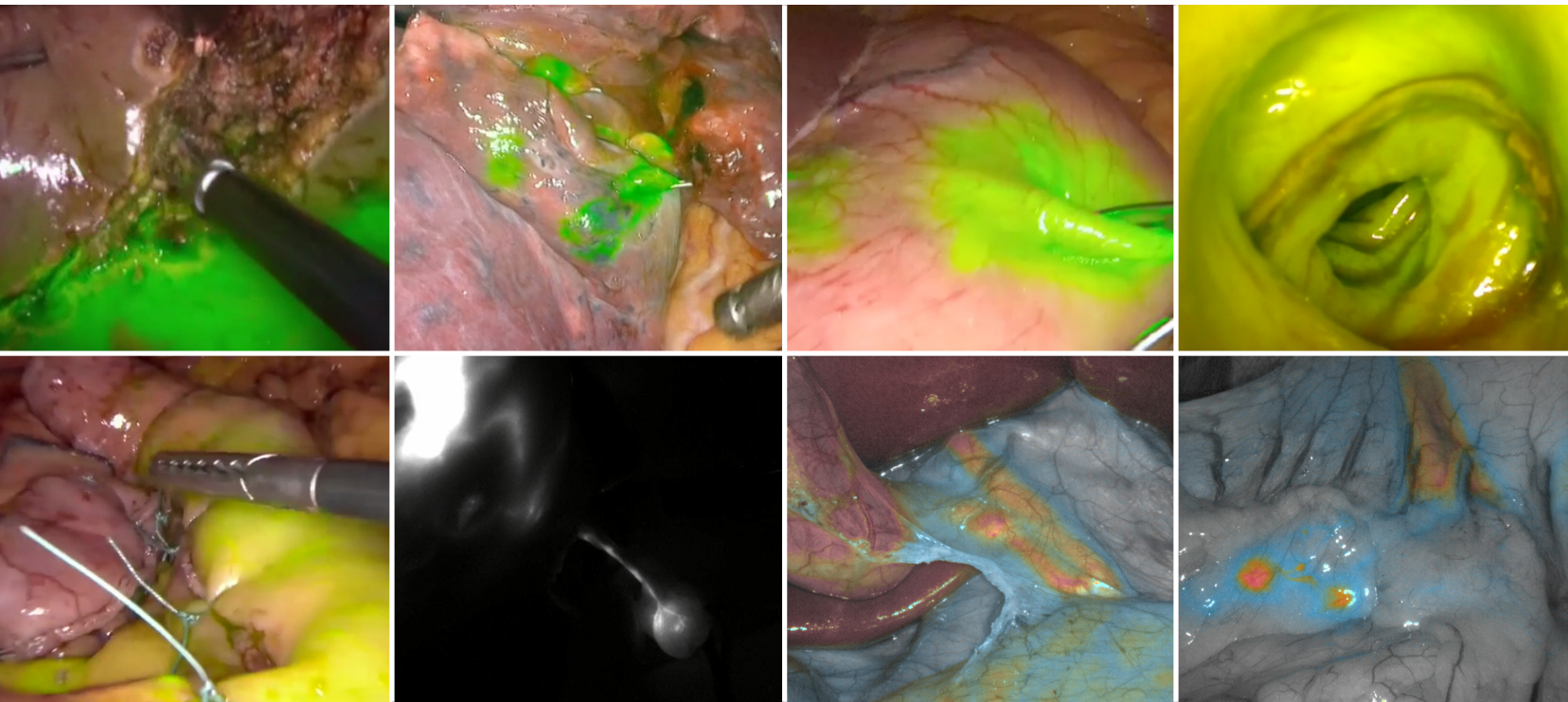


Information is **POWER**



Empowering surgeons with information
critical to decision making.

PINPOINT

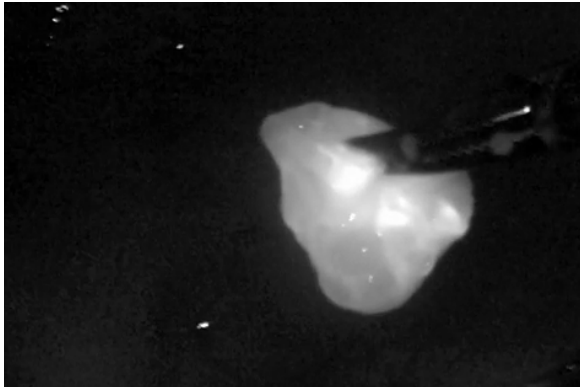
SPY PHI

The power to visualize

The PINPOINT Fluorescence Imaging System provides surgeons with real-time, **simultaneous visualization of tissue perfusion** during a variety of surgical procedures. SPY, Overlay and Color-Segmented Fluorescence modes illuminate tissue perfusion in a manner otherwise invisible to the human eye.



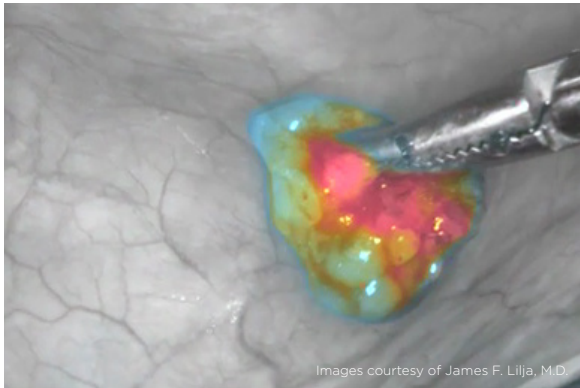
White Light Mode
Full HD resolution delivers bright, clear images



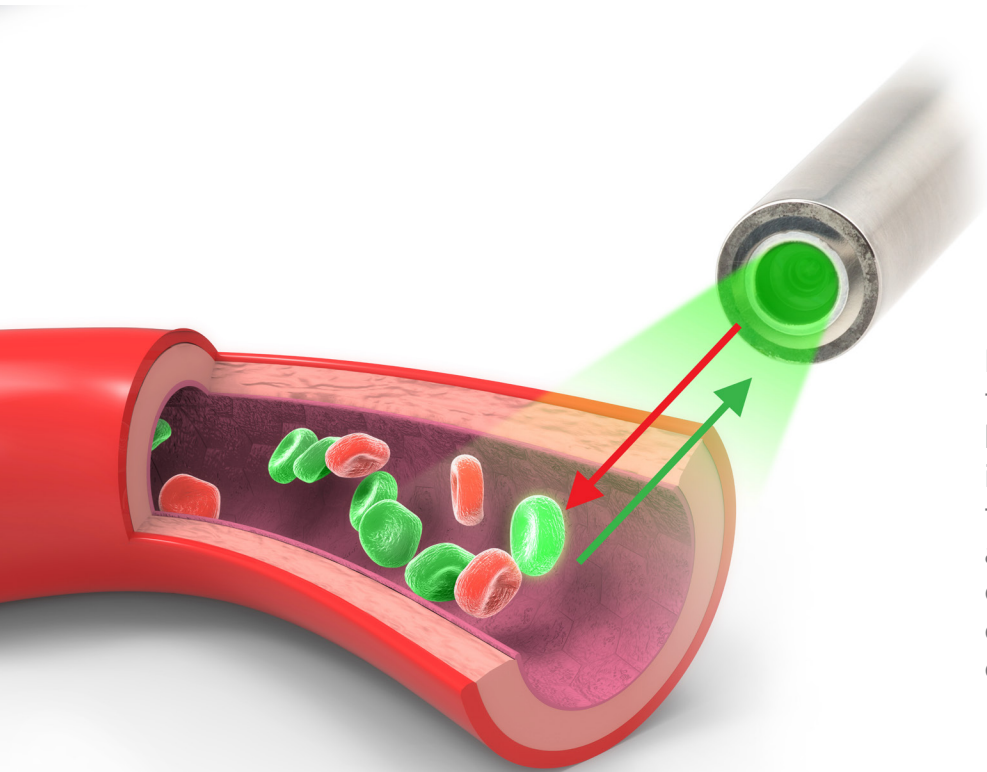
SPY Fluorescence Mode
Black and white fluorescence image



Overlay Fluorescence Mode
A green overlay of white light image



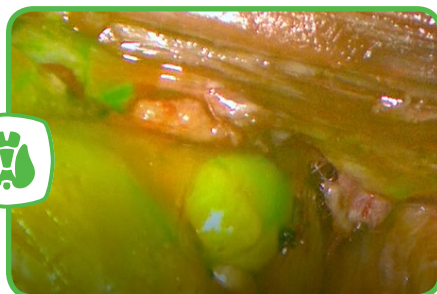
Color-Segmented Fluorescence (CSF) Mode
Color mapping scale is set from gray (no perfusion) to red (high level of perfusion)



Illuminating the Anatomy

Indocyanine Green (ICG) is a fluorescence imaging agent that binds to plasma proteins upon injection. Near-infrared light from the PINPOINT laparoscope is absorbed by the ICG, causing it to emit a fluorescence signal. ICG is eventually removed by the liver and excreted within the bile.

One platform to meet all of your clinical imaging needs



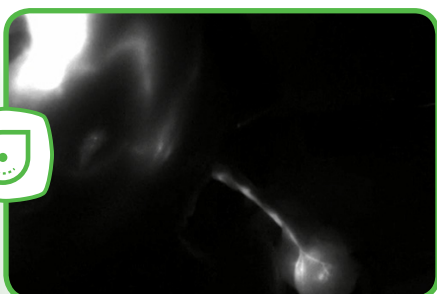
Thyroidectomy

Vascular assessment of
parathyroid functionality



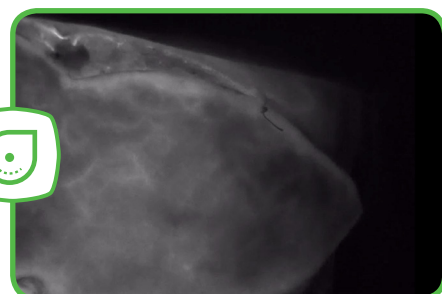
Minimally Invasive Esophagectomy

Visualizing micro-vascular
blood flow



Breast Reconstruction

Sentinel lymph node mapping



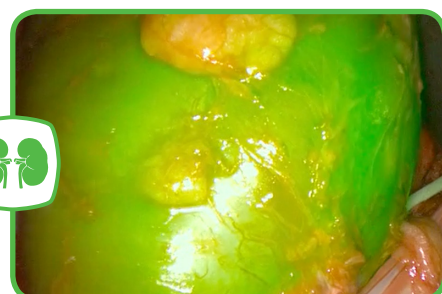
Breast Reconstruction

Assessing perfusion of the flap



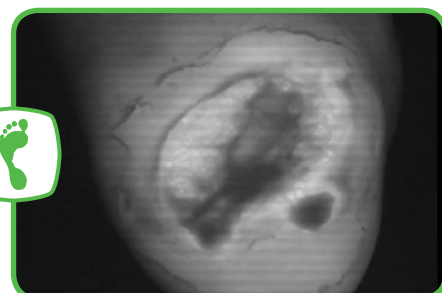
Endometrial Cancer

Sentinel lymph node mapping



Kidney Transplantation

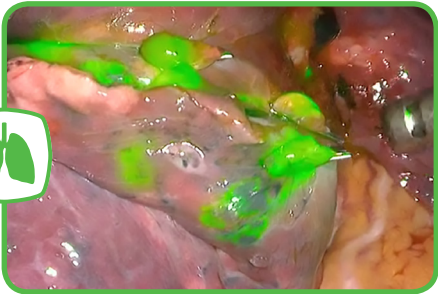
Assessment of tissue perfusion



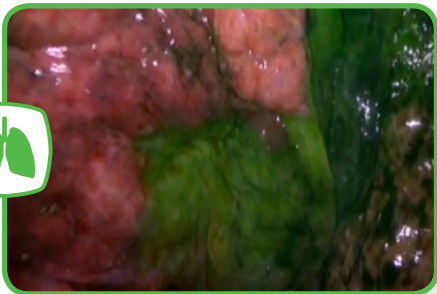
Vascular Applications

Vascular assessment of wounds

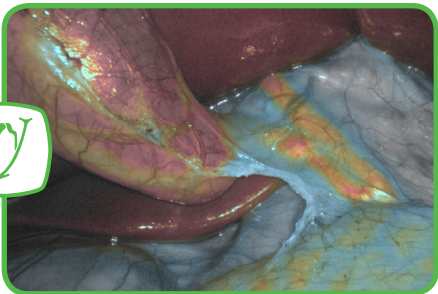
SPY Fluorescence is NOVADAQ's core technology and has been shown to be beneficial in a variety of open and minimally invasive surgical applications.¹



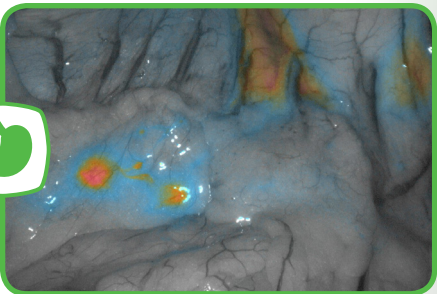
Thoracic Surgery
Sentinel lymph node mapping



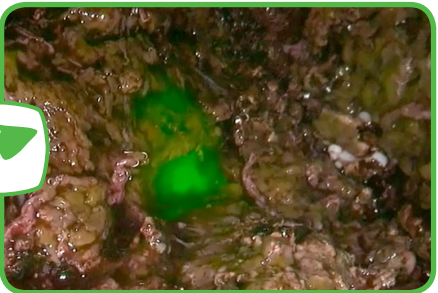
Thoracic Surgery
Visualisation of intersegmental plane



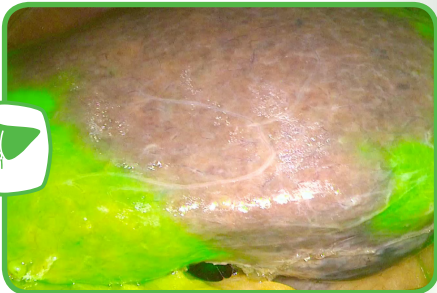
Laparoscopic Cholecystectomy
Identifying vital biliary anatomy



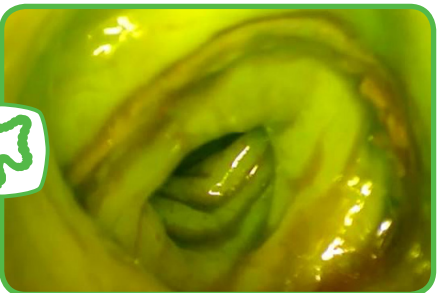
Gastric Cancer
Lymphatic mapping



Liver Cancer
Tumor marking



Segmental Hepatectomy
Visualisation of intersegmental plane



Colon Resection
Perfusion assessment

Operating room versatility

Connectivity to a variety of medical devices and networks provides greater flexibility in the operating room.



“The use of PINPOINT[†] has impacted my decisions in the operating room. The ability to see tissue perfusion in real-time is very important to me as a surgeon.”

Joseph C. Carmichael, M.D.
Associate Professor of Surgery
Chief of Colon & Rectal Surgery
UC Irvine Health



THORACIC SURGERY LUNG RESECTION ESOPHAGECTOMY LUNG
RIOR RESECTION TRANSANAL ANASTOMOSIS ASSESSMENT SIGMOI
ECTOMY TRANSVERSE COLECTOMY RIGHT HEMI-COLECTOMY LEFT
- COLECTOMY TRANS-TOTAL MESORECTAL EXCISION TAMIS / TATA
S TOTAL COLECTOMY CHOLECYSTECTOMY COLOSTOMY CREATION
VISION ILEOSTOMY ISCHEMIC BOWEL RESECTION INGUINAL HERNIA
IR ABDOMINAL WALL REPAIR NISSAN FUNDOLPLICATION REVISION
ESOPHAGEAL HERNIA ENDOCRINE SURGERY PARATHYROID TOTAL
D GASTRECTOMY ABDOMINAL WOUND DEHISCENCE & EVISCERAT
TAL HERNIA SMALL INTESTINE CANCER VENTRAL HERNIA LIVER
ION LIVER METASTASES DISTAL PANCREATECTOMY WHIPPLE TOT
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S ESOPHAGECTOMY LUNG TRANSPLANT GASTRIC SLEEVE GASTRIC
GASTRIC SLEEVE OR BYPASS REVISION BILIOPANCREATIC DIVERS
A DUODENAL SWITCH GASTRIC PLICATION PARTIAL NEPHRECTOM
L NEPHRECTOMY RADICAL NEPHROURETERECTOMY ADRENALECT
ECTOMY CORONARY ARTERY BYPASS GRAFT CAROTID ARTERY OPE
DARTERECTOMY CAROTID ARTERY BYPASS GRAFT TEMPORAL TO
EBRAL ARTERY BYPASS GRAFT FEMORAL POPLITEAL BYPASS GRAF
INAL ANEURYSM REPAIR SKIN-SPARING MASTECTOMY NIPPLE-SPA
CTOMY BREAST REDUCTION INFERIOR T-APPROACH IMMEDIATE TIS
DER/IMPLANT DELAYED TISSUE EXPANDER/IMPLANT DEEP INFERI
ASTRIC PERFORATOR FLAP SUPERIOR GLUTEAL ARTERY PERFORATO
P TRANS RECTUS ABDOMINOUS MYOCUTANEOUS FLAP TRANSVERS
R GRACILIS FLAP LATISSIMUS FLAP PARAMEDIAN FOREHEAD PEDIC
FOREARM TO HAND PEDICLE FLAP VERTICAL RECTUS ABDOMINO
CLE ANTERIOR LATERAL THIGH FLAP SCAPULAR FLAP FIBULAR FL
M TO GREAT TOE FLAP GASTROCNEMIUS MUSCLE FLAP MAXILLOF
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1 SPY Fluorescence Imaging: A Bibliography of Published Clinical Data, Abstracts, and Commentary. Mar 2017.

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