The most gifted camera of its generation

FLUOBEAM®
LYMPHATIC SURGERY
Precise identification of functional lymphatic vessels and lymph nodes during surgery

Thanks to several years of development in collaboration with international clinical teams, FLUOBEAM® was designed to fit in the operating room environment.

**FLUOBEAM® is an integrated fluorescence imaging solution providing the surgeon with a real-time image of the fluorescence in the operative field.**

Its ease of use and ability to analyze images make it a major asset for surgeons.
Prevention, diagnosis and lymphatic surgery
Fluorescence is essential in visualizing lymphatic system for lymphedema

Lymphedema is the most common disease of the lymphatics. Secondary lymphedema (due to surgery) is estimated to be approximately 10 million people worldwide. Lymphedema can be addressed surgically. Precise identification of functional lymphatic vessels and/or lymph nodes is essential in helping surgeons during procedures.

FLUOBEAM® is a unique tool used to assess and analyse lymphatic drainage, efficiency and dysfunction. It allows for the precise identification of functional lymphatic vessels before lymphatico-venous anastomosis (LVA), and lymph nodes in lymph node transfer procedures. Thanks to its didactic software, FLUOBEAM® can create a real-time panoramic image which enables surgeons to get a view of the whole limb.
Visualization of lymphatic vessels

During consultation, FLUOBEAM® can be used to image in real time functional superficial lymphatic vessels:
to perform early diagnosis of lymphedema, to select the most appropriate treatment (surgical or not), and to plan for post-surgery follow-up.

During surgery, FLUOBEAM® can be used:
to identify functional superficial lymphatic vessels that can be used for lymphatico-venous anastomoses (LVA); to identify lymph nodes for lymph node transfer procedures; to avoid the harvesting of lymph nodes that do not drain the resected area by performing a “reverse mapping”; for post-surgery follow-up.

Pr. Jaume Masia
Plastic and Aesthetic Surgery, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

«It is essential to understand how the lymphedema works and so FLUOBEAM® is really key for this kind of information.
I just can’t perform lymphatic surgery without fluorescence imaging.»
Small lymphatic vessels

Functional lymphatic vessels identification
A lymphatic vessel identification going to the sentinel lymph node

Lymphatic vessel identification in direction of the axillary
Sentinel lymph node (SLN) is the first lymph node that drains the tumour. The SLN procedure aims to detect, dissect and analyse this lymph node.

**Indocyanine green fluorescence imaging has recently been introduced as an alternative method to assist surgeons in lymph node dissection procedures. FLUOBEAM® allows the visualization of superficial lymphatic drainage and the detection of sentinel lymph nodes after skin incision for different types of tumours.**

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**Dr Charlotte Ngo**

Gynecological and Breast Cancer Surgery,

Hôpital Européen Georges Pompidou, Paris, France

"The ICG for detection of the SLN in early breast cancer is feasible; it is accurate, safe and cheap."
Thousands of procedures already done. 
Plastic and reconstructive surgery.
Parathyroid detection by autofluorescence 
and perfusion assessment.
Lymphedema, wound care.
Partial hepatectomy and liver transplantation.
Sentinel lymph node biopsy for breast cancer and melanoma.
Installed Systems

The FLUOPTICS© technology is already used in: France, Germany, the UK, Switzerland, Belgium, Italy, Spain, Morocco, Denmark, Finland, Greece, the Netherlands, Poland, Singapore, the US, Kuwait, Thailand, Taiwan, Hong Kong and India.

100 machines

10 000 procedures

20 countries
FLUOBEAM® is a Class IIa medical device, manufactured by Fluoptics.

FLUOBEAM® is indicated to visualize on a screen the flow, the distribution and/or the accumulation of Indocyanine green (ICG) before, during and after surgery for the indications such as: visualization of the blood flow, visualization of the lymphatic flow, visualization and identification of the bile ducts during hepatobiliary surgery, visualization and detection of primary liver tumors and/or hepatic metastases. FLUOBEAM® is also indicated to facilitate the visualization of parathyroid glands by auto-fluorescence (natural fluorescence without ICG injection) during thyroid and parathyroid surgeries.

The Fluoptics FLUOBEAM® Imaging system is intended to provide real-time near infrared (NIR) fluorescence imaging of tissue during surgical procedures. The Fluoptics FLUOBEAM® Imaging system is indicated for use in capturing and viewing fluorescent images for the visual assessment of blood flow in adults as an adjunctive method for the evaluation of tissue perfusion, perfused organs, and related tissue-transfer circulation in tissue and free flaps used in plastic, micro- and reconstructive and organ transplant surgeries. The Fluoptics FLUOBEAM® Imaging system can also be used to assist in the imaging of parathyroid glands and can be used as an adjunctive method to assist in the location of parathyroid glands due to the auto-fluorescence of this tissue.

Before the first use, user must read the medical device instructions for use and its label.

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