# IRILLIC<sup>°</sup>



#### India's First Pioneering

### Fluorescence Imaging Technology for Transforming surgical outcomes



See Better Treat Better

Proud to be part of **motherson** 





Sentinel Lymph Node Mapping



Lymphedema Evaluation



Parathyroid Autofluorescence



Hepatobiliary Surgery



Flap & Organ Perfusion



Wound Management





Hand-held NIR imaging probe for independent use.



Integrated Patient and Acquisition Management Software.



In-built 200GB storage for images and videos with archiving, review, and export options.



Multiple color-augmented fluorescence modes.



Intelligent background/anatomy light adjustment.



Quantification tool for relative perfusion assessment.



# SLNB with

## Fluorescence Guided Imaging

- 1. Real-time visualization of lymphatic channels and nodes.
- 2. Achieve over 97% sensitivity in sentinel lymph node detection.
- Lymph channels can be visualized transcutaneously.
- 4. Facilitate precise incisions and nodes can be visualized in vivo as well as ex vivo
- 5. Effective for onco surgeries in Breast, melanoma, head and neck cancer and gynaec.
- 6. Low Procedure Cost: ICG is safe, economical & widely available
- 7. Low Risk: No radiation exposure as radioactive isotopes are not needed. Nuclear Medicine Infrastructure not needed.





## Parathyroid Imaging Auto-Fluorescence

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No requirement of any contrast agents/dye.

\* い い い い Increases gland viability, reduced rate of transitory hypocalcemia.





Real-time visualization of parathyroid glands during thyroid/ parathyroid surgery.

Improved Parathyroid identification rates with NIR imaging -76.3%\* Enhancing parathyroid glands preservation with intraoperative vascularity assessment.





## Lymphedema Screening

#### with Fluorescence Guided Imaging

1.	Real-time visualization of lymphatic damage.	4.	Supports surgical navigation and treatment planning.
2.	Early detection and management of lymphedema.	5.	Mapping lymphatic channels for LVA and VLNT surgeries.
3.	Visualize lymphography patterns (Linear, Splash, Stardust, Diffuse).	6.	Safe, non-invasive imaging with easy integration into clinical practice.

#### **Progression of Lymphedema**



Linear Shows normal Linear Lymphatics Channels



Splash Early Signs of Lymphedema showing tortuous lymphatics



Stardust Valve Damage indicated by backflow of lymph fluid



Diffuse Severe Lymphedema with damage valves and channels

## Flap Perfusion Assessment

#### with Fluorescence Guided Imaging

- Real-time visualization of flap perfusion and blood flow.
   Intraoperative assessment of blood flow in free and pedicled flaps.
   Pre-operative identification of perforator.
   Post-operative monitoring of flap viability.
   Quantification tool for relative perfusion assessment.
- 6. Non-invasive, safe, and easy to integrate into surgical workflow.



Post Op- Monitoring Assessment



Intra Op-Margin Assessment



Multi Augmented color modes to identify differential perfusion in real-time





http://www.irillic.com



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