

Sentinel Lymph Node Mapping in Gynecologic Oncology

with IMAGE1 S™ Rubina™

SURGICAL APPLICATION BRIEF



Current Standard of Care

The use of Tc99m and blue dye is a widely accepted approach for sentinel lymph node identification and mapping.

However, this technique has some drawbacks.

- Exposure to radiation¹
- Requires two imaging devices
- Administration of Tc99 is done prior to surgery
- Unpleasant side effects of blue dye include staining and continuous visibility under white light



Benefits of NIR/ICG

- 1-step process – simplified workflow
- No time constraints
- Single imaging device
- No radiation



ICG Clinical Impact

Higher Bilateral Detection Rates:

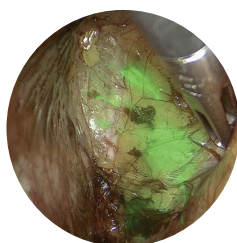
78% vs. 56%

Endometrial²

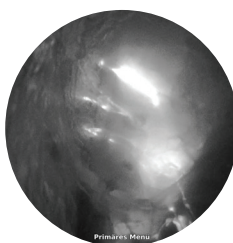
95.5% vs. 61%

Cervical³

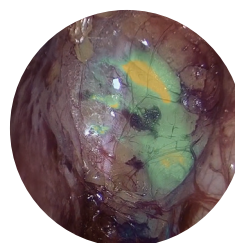
Use of NIR/ICG



Rubina™
Green Overlay



Rubina™
Monochromatic



Intensity
Mapping

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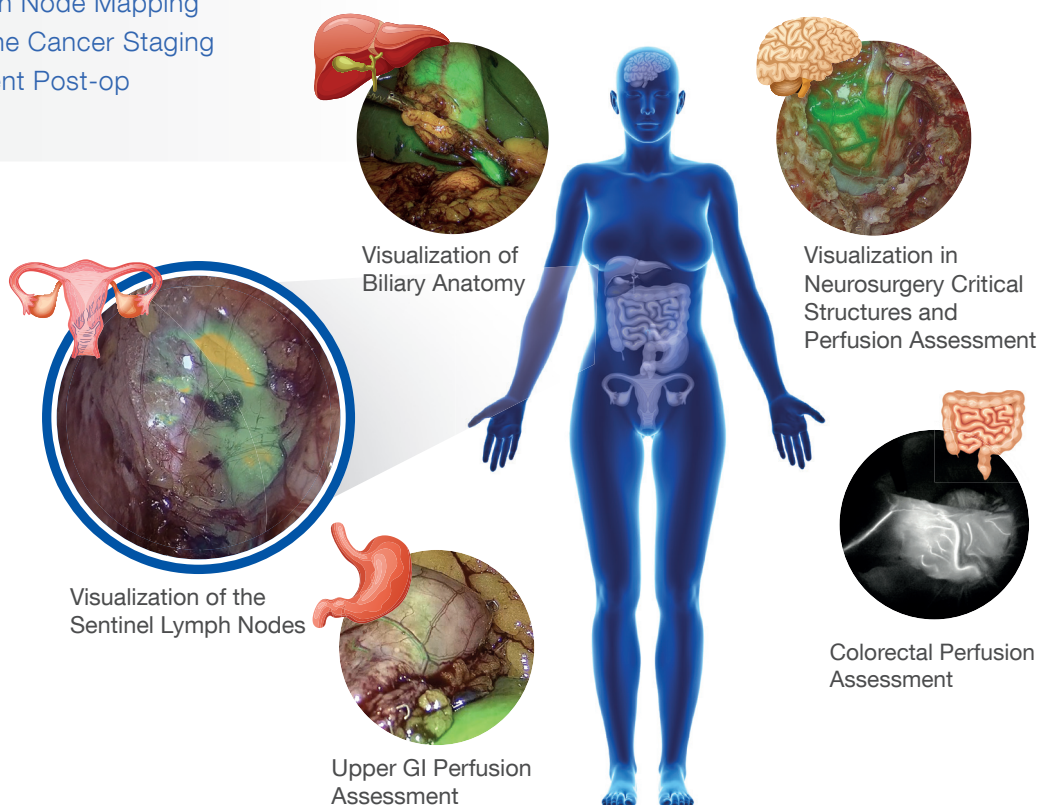
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SURGICAL APPLICATION BRIEF

Common Rubina™ Applications

Gynecologic Oncology

- Sentinel Lymph Node Mapping
- Cervical/Uterine Cancer Staging
- Minimize Patient Post-op Complications



1. Papadia A, Gasparri ML, Buda A, Mueller MD. Sentinel lymph node mapping in endometrial cancer: comparison of fluorescence dye with traditional radiocolloid and blue. J Cancer Res Clin Oncol. 2017 Oct;143(10):2039-2048
2. Lin H, Ding Z, Kota VG, Zhang X, Zhou J. Sentinel lymph node mapping in endometrial cancer: a systematic review and meta-analysis. Oncotarget. 2017 Jul 11;8(28):46601-46610.
3. Imboden S, Papadia A, Nauwerk M, McKinnon B, Kollmann Z, Mohr S, Lanz S, Mueller MD. A Comparison of Radiocolloid and Indocyanine Green Fluorescence Imaging, Sentinel Lymph Node Mapping in Patients with Cervical Cancer Undergoing Laparoscopic Surgery. Ann Surg Oncol. 2015 Dec;22(13):4198-203.

Please contact your KARL STORZ sales representative for detailed information

FOR U.S. USE ONLY

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

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